

SELF-STUDY REPORT

(NAAC ACCREDITATION - 2015)

SUBMITTED TO

**National Assessment and Accreditation Council (NAAC)
BANGALORE**

By



CENTRAL UNIVERSITY OF RAJASTHAN

NH-8, Bandarsindri, Jaipur-Ajmer Highway, Distt.- Ajmer - 305817, Rajasthan (India)



NAAC

SELF – STUDY REPORT

2015



CENTRAL UNIVERSITY OF RAJASTHAN

प्रो. अरुण कुमार पुजारी
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राजस्थान केन्द्रीय विश्वविद्यालय
Central University of Rajasthan
(संसद के अधिनियम के तहत स्थापित केन्द्रीय विश्वविद्यालय)
(A Central University Established by an Act of Parliament)

Bandarsindri, N.H. 8, Kishangarh-305817
District- Ajmer, Rajasthan, INDIA

From the Desk of the Vice Chancellor

Established by the Act of Parliament in February, 2009, the Central University of Rajasthan has since taken colossal strides in terms of both academic excellence and infrastructural development, with its performance curve soaring high along the path of progress. Beginning with only two programs, the University has by now gone on to offer twenty high-quality programs by the fifth year of its inception. Uniquely, all the programs are so designed as to develop the University as a center for generation of knowledge, enhancement of employability and, most importantly, as a breeding ground of ideas and techniques for sustainable development. That is why the structure of all our courses is basically research-oriented, application-seeking and learner-centric.

The learner is let free to opt from an array of inter-disciplinarily flexible areas of study and research. And all a learner needs to do is hit upon the area suited best to his/her potential and there we are, all through, to guide and protect at once as the trellis does for the seedlings.

Accommodating over 1500 students, the Campus is well-furnished with all the latest facilities. To name but a few, there are smart classrooms, a rich central library (with OPAC), in-house mess, canteen, gymnasium, professionally-maintained playgrounds (two volleyball grounds, two tennis courts, two badminton courts, and table-tennis) and on-campus Bank with the ATM, and the post office.

Now into the fifth year of its inception, the University is ever abuzz with Seminars, Conferences, Workshops, and all other forms of idea-sharing and learning interaction. And, to connect knowledge with application, the University took a unique step of holding "The Academia-Industry Meet" wherein industrialists and entrepreneurs shared views on how best knowledge can become gainful for both the students and the industry. Besides, the infrastructural and academic consolidation, the University is also keen to get embedded in the surrounding socio-cultural fabric by way of offering social facilities like Day Care Centre, Community College and Community Radio so that the people of neighboring areas may also benefit from the University.

I wish University will not only keep up its pace of growth but also further accelerate to emerge as a frontline bastion of higher education in the lap of Rajasthan. And I firmly believe that the University will soon achieve its aim of ensuring value-based quality education for learners from all strata of the society, regardless of their socio-economic status. At last, I strongly wish to envision the Central University of Rajasthan as ever-responsive to the call of society, holding the light of knowledge aloft amid the rapidly changing fast-paced world.

It is our privilege at Central University of Rajasthan to present its academic credentials and submit the Self Study Report to the National Assessment and Accreditation Council (NAAC). This will not only get us the desired critical evaluation and analysis of the progress we have made so far but will also affirm our commitment of striving towards making the University a centre for excellence.

This Self Study Report being submitted for the first cycle of Assessment and Accreditation presents information as per the requirements laid down by NAAC. The report has been organized in two parts. The first part includes a Profile of the University and Executive Summary along with the Criterion-wise Report and the second part reflects the Department-wise Evaluative Report.

The process of preparing for NAAC Accreditation has been an extremely useful learning experience and has provided us an opportunity to consolidate our strengths and more importantly to focus on improvements at all levels. The highly participative collective reflections and intense deliberations that went into the preparation of this report provided all of us with an eloquent perspective in which to view our University's mission and our efforts towards fulfilling it.

I would like to commend and thank the members of the core team for their hard work, sincerity and enthusiasm in completing this task. We realise that we have just begun and there are many things still to be done in addition to consolidating the beginnings we have made.

We, at Central University of Rajasthan look forward to the visit of the Peer Team from NAAC and believe that their insightful observations would help the University achieve its intended future objectives better.



(Prof. Arun K Pujari)
Vice Chancellor

राजस्थान केन्द्रीय विश्वविद्यालय

(संसद के अधिनियम के तहत स्थापित केन्द्रीय विश्वविद्यालय)

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Central University of Rajasthan

(A Central University by an Act of Parliament)

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Message from Founder Vice Chancellor

Modern world has ushered into an era where knowledge can no longer be restrained into narrow confines or can be owned by a specific social class. The essence of humanity lies in freedom and freedom cannot be limited to an individualistic level or to a small group. It is collective in nature unless all the individuals living in a nation space regardless of class, religion, caste or creed are able to relish that freedom it remains incomplete in nature. Knowledge liberates the mind and only a society that is able to devise mediums, methods and strategies to propagate knowledge and educate its every single member can hope to provide its present and future generations an environment of growth, dignity, respect and constructive development.

The new Central Universities in India have been established with the specific purpose of developing expertise in various areas of advanced studies. Universities in contemporary times need to realize the pressing need of their social responsibility and accountability that may be achieved only through reaching out and extending interaction with local community, addressing local problems, carrying out research to improve industrial productivity and environmental consciousness.

Central University of Rajasthan aims at emerging as the leading centre of comprehensive learning at the international level. There are a number of features that make Central University of Rajasthan unique in itself. In the first place our University does not follow the conventional pattern of affiliated colleges as it is being structured as a self-sufficient entity consisting of different schools of study that may later be developed into specialized centers of studies in different disciplines. Most of the courses offered at our University are interdisciplinary and they have been streamlined to meet the emerging demands both in the public and the private sector.

Sustainable development and inclusiveness are our main mottos. The structure of our courses is primarily learner-centric and they offer great flexibility whereby the students have more choices to opt for disciplines of their liking and potential. We also understand that the learning levels of different students differ and in the conventional university patterns slow learners either fail or are left out. In our University no student will be left out or left behind, we offer bridge courses, remedial courses and also greater flexibility in terms of time whereby a student may take more time to complete his degree. Central University of Rajasthan within the brief period of its inception has made significant progress.

The University has tried to involve all the stakeholders- students, teachers and members of the society from different walks of life in the formation of its academic programmes and in framing of the curricula. The construction of the University's permanent campus at Bandra Sindri is well

under way and some of the essential buildings are expected to be ready by the forthcoming session 2011-2012. Our temporary campus at Govt. College Kishangarh offers state of the art infrastructure including smart classrooms, good library, access to a large number of research resources through internet, good accommodation and sports facilities to the students.

I extend my best wishes to the students and faculty who are a part of our University and to those who seek to join us in our mission of sharing and creating knowledge and contributing to the growth of not only our society and nation but humanity at large.



(Prof. M. M. Salunkhe)
Founder Vice Chancellor

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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

The University

Central University of Rajasthan has been established by an Act of Parliament (Act No. 25 of 2009, The Gazette of India, No. 27, published on 20th March, 2009 as a new Central University, and is fully funded by the Government of India.

The Visitor

The President of India, His Excellency Shri Pranab Mukherjee, is the Visitor of the Central University of Rajasthan.

The Founder Vice Chancellor

Her Excellency Smt. Pratibha Devi Patil, the former President of India, in her capacity as the Visitor of the University appointed Prof. M. M. Salunkhe as the first Vice Chancellor of the University.

Permanent site for the University

The state government has allocated 518+ Acres of land for the permanent site of the Central University at Bandarsindri near Kishangarh on Jaipur – Ajmer Highway (NH-8).

Location of the University

20 Kilometers from Kishangarh

46 Kilometers from Ajmer

86 Kilometers from Jaipur

1.5 Kilometer from highway (NH-8)

Motto of the University

The motto of Central University of Rajasthan is: “**Education for Sustainable Development**”.

Vision of the University

The Central University of Rajasthan aspires to be one of India’s most dynamic and vibrant universities, responsive to the changing global trends, providing unparalleled educational opportunities for the learner community especially for those coming from the lower socio- economic strata of society seeking quality education. It proposes to offer innovative undergraduate and graduate academic programmes as well as continuing personal and professional enrichment in selected areas that will lead to the formation of a scholarly community by advancing, sharing and applying knowledge and by facilitating the development of thoughtful, creative, sensitive and responsible citizens.

Mission of the University

The mission of the Central University of Rajasthan is to contribute to and work with a sense of Commitment towards the educational, cultural, economic, environmental, health and social advancement of the region and the nation at large by providing excellent undergraduate liberal education and quality programs leading to bachelors, masters, professional and doctorate degrees.

Goals of the University

The Central University of Rajasthan aims to:

1. Facilitate accessible and affordable quality education that equips the students with scholarly and professional skills, moral principles and global perspectives.
2. Strengthen both faculty and student research addressing basic and regional problems.
3. Integrate national and international perspectives into our fundamental four-fold mission of teaching, research, extension and consultancy.
4. Explore knowledge and wisdom in order to build a wealth of interdisciplinary academic resources indispensable for sustainable development to accomplish the status of a leading research-intensive University; and to engage in transferring knowledge and technology to the community in order to strengthen and elevate the community potential, and to increase the competitiveness of India at the global level.
5. Employ the strategy of proactive management of the University administration and to operate the system within a sensible framework of high-quality governance based on efficiency, transparency and accountability.
6. Formulate the University as one of the best places in the world to attain intellectual skills and acquire an affirmative mindset to thrive in an increasingly internationalized and competitive job market simultaneously acting as responsible citizens of the global community by the inculcation of value-oriented education.

Objectives

The Central University of Rajasthan has the objectives of:

1. Building character values and simultaneously forging the careers of the students by developing analytical thinking, individual initiative and responsibility.
2. Providing flexible, innovative academic and research programmes and support structures that are responsive to a broad range of learners and regional needs.
3. Facilitating a wide range of learning opportunities for learners engaged in graduate, postgraduate and research programmes.
4. Encouraging considerate and accountable faculty-student participatory interaction on local, state, national and international affairs.
5. Recognizing a special obligation to educate the students coming from minorities and lower socio-economic strata of the society.
6. Undertaking research and consultancy on the challenges the region is facing and contributing its expertise for the community.
7. Providing means for capacity building for leadership and service through academic programmes, campus activities and creating opportunities for community involvement.

Quality statement

In order to meet the challenges of the knowledge era and to keep pace with the knowledge explosion in Higher Education, the Central University of Rajasthan is committed to inculcating and sustaining quality in all the dimensions of Higher Education viz. teaching, learning, research, extension and governance while catering to the regional and global needs.

Academic structure of the University

Central University of Rajasthan presently comprises of 10 schools which host a total of 20 academic and research Departments covering an assortment of various disciplines ranging from Languages, Humanities, Social Sciences, Sciences, Computational Sciences, Management and Engineering. Ever since its inception, the Central University of Rajasthan has made determined efforts towards achieving its objectives.

The University currently offers standard Master and Doctoral programs through each of the 20 Departments. Additionally, University also offers unique and distinguishable five year Integrated Masters program through 10 Departments including Mathematics, Physics, Chemistry, Biotechnology, Biochemistry, Microbiology, Environmental Sciences, Statistics, Economics and Commerce.

The structure and course content of each of the offered course is designed to cater to the need of the student diversity as well as the prospective employers. The curriculum structure includes teaching- learning through various modes including class lectures, tutorial, laboratory/ experimental work, popular seminars, journal club seminars, dissertation project work, dissertation thesis writing etc. In addition, University has also adopted methods e.g. Choice Based Credit System (CBCS), Elective Papers and Internship projects etc. for optimizing the learning process for students coming from diverse backgrounds.

University has constantly motivated its faculty to adapt to innovative teaching methods e.g. combining peer- to- peer teaching and digital technology for effectively meeting the needs of diverse group of students. University gives due importance to “Occupational Safety and Related Hazards” especially while working in Academic or Institution Research Set-ups, therefore, University has designed a unique orientation program on “Laboratory Safety”. This program comprises of a series of lecture sessions followed by laboratory orientation and lab safety quiz/ test. This program is mandatory for all the students admitted to Master and Doctoral Program of the University.

Admission procedure of the University

Central University of Rajasthan has implemented a competitive, transparent and stream-lined admission procedure since its inception. Students are admitted on the basis of merit list prepared jointly on the basis of academic record of the candidates and marks secured in the National Level Entrance Test viz., Central University Common Entrance Test (CUCET). Central University of Rajasthan implements reservation rules of the Government of India. Due to these resolute efforts, Central University of Rajasthan has attracted students from nearly each state of the Country during short span of

its existence. Central University of Rajasthan has also put step forward towards attracting foreign students; foreign students are exempted from appearing for the CUCET and admitted on supernumerary seats over sanctioned number of seats. To further strengthen the participation of foreign student and faculty in academic and research activities of Central University of Rajasthan, the Memorandum of Understanding (MoU) has been inked with a number of foreign University and Institution.

Examination and Evaluation system of the University

Since its inception, the Central University of Rajasthan has followed an examination system that allows constant evaluation of students' progress through academic session. For passing a course, the assessment of students is done on the basis of (i) Continuous Internal Evaluation (CIE) of 50% marks; and (ii) End of Semester Examination ('EoSE') of 50% marks in each paper.

Each component of the examination has its credits and overall credits are taken into consideration to determine the success of any candidate in the examination. In order to pass the course, student is required to attain a minimum of 35% marks or "D" grade on a 10 point scale. For passing a semester and getting promoted to the next semester or completing a course, candidates need to secure a minimum Sessional/ Cumulative Grade Point Average (CGPA).

Teaching Quality and Improvement

Central University of Rajasthan has constantly endeavoured for recruiting motivated and highly qualified faculty with academic and/ or research experiences from top ranked Universities/ Institutions of India and Abroad. Many of CURaj faculty members have attained Masters and Doctoral degrees from Universities and Institutes e.g. Jawaharlal Nehru University (JNU), Delhi University (DU), Banaras Hindu University (BHU), University of Hyderabad (UoH), Madurai Kamraj University (MKU), University of Pune, Indian Institute of Technology (Kharagpur, Delhi, Kanpur, Roorkee) and Council of Scientific and Industrial Research Institutes. Many of the faculty members also have post-doctoral research experiences from leading Universities of United States of America (USA), Germany, Australia, Canada, Singapore, France, Italy, France etc.

Further, in order to enhance the teaching quality, the Central University of Rajasthan encourages faculty members to attend orientation and refresher courses offered through Academic Staff Colleges throughout the Country. Central University of Rajasthan also supports faculty in organizing Teachers' Orientation/ Refresher Course, National/ International Seminar and Conferences. Central University of Rajasthan has adapted system of Students- Evaluation of Faculties and Annual Self Appraisal System.

Research activities in the University

Central University of Rajasthan has made significant progress during short span of 6 years with regards to research activities. The University has offered research infrastructure to support high- quality research to be carried out by its students and faculty members. University has already established a few 'State of the Art' laboratories dedicated for research activities in various

cutting- edge and competitive areas of Physical Sciences, Chemical Sciences, Life Sciences, Mathematical and Actuarial science, Social Sciences, Linguistics, Culture and Media related research. These laboratories are equipped with several high- end sophisticated equipment. The 500 MHz- Nuclear Magnetic Resonance (NMR) established at Central University of Rajasthan epitomizes determined efforts of University towards empowering our students and faculty members in their pursuit of highest quality research.

Many of the faculty members have secured 'extra- mural research funds' from various funding agencies from India and Abroad. The major extra- mural funding agencies are Department of Science and Technology (DST), Department of Biotechnology (DBT), University Grants Commission (UGC) etc. with total extra- mural research funds worth Rs ~ 3 corers. A number of research project proposal applications are in the process of getting reviewed for funding. Central University of Rajasthan has also encouraged tenure track scientists e.g. DST- INSPIRE fellow, DST- Women Scientist and UGC- Kothari Postdoctoral Fellow to carry out their proposed research work at different Departments of the University. Central University of Rajasthan has seen a steady increase in number of research and review article publication; it is expected to increase constantly in future.

Extra- curricular activities and Community Services in the University

Central University of Rajasthan has put forward best efforts toward holistic personality development of its student by offering platforms for co-curricular activities including sports, cultural activities, national service etc. These activities are coordinated by the office of Dean of Student Welfare and executed through Sports Clubs, Literary Clubs, and Cultural Activity Club etc. University organizes regular Intra- University Sports meets and Cultural Programs. University also organizes student visits to neighbouring villages for community services.

Governance in the University

Central University of Rajasthan follows 'inclusive governance system' which enables best utilization of collective wisdom in day to day functioning as well as major decision making process. Central University of Rajasthan has implemented efficient academic audits, financial audits and grievance redressal mechanism for ensuring transparent and smooth functioning of the University. Central University of Rajasthan maintains best practices and rules of discipline, profession ethics and excellence in every walk of life of an academic institution.

Immediate future plan of the University

Central University of Rajasthan is marching into future with promises to nurture and foster talents and enable them to transform them into future leaders in academic and research horizon. Central University of Rajasthan aims to grow as one of the most important contributors in the Higher Education in the country and the world.

Part - I

INSTITUTIONAL DATA

PART I: INSTITUTIONAL DATA

Profile of the University

1. Name and Address of the University:

Name : Central University of Rajasthan
Address : Bandarsindri, NH-8, Kishangarh
City : Kishangarh
District : Ajmer
State : Rajasthan
Pin-code : 305817

2. For Communication:

Designation	Name	Telephone (with STD Code)	Mobile	E-mail
Vice Chancellor	Prof. A. K. Pujari	01463- 238726	9887470025	vc@curaj.ac.in
Registrar (i/c)	Prof. S. Agrawal	01463- 238727	9829216363	registrar@curaj.ac.in
Finance officer	Sh. D.K. Aggarwal	01463- 238724	9414010982	fo@curaj.ac.in
IQAC Director	Prof. A. K. Gupta	01463- 238559	7733914480	akg54@curaj.ac.in

3. Status of the University:

State University	
State Private University	
Central University	√
University under Section 3 of UGC (Deemed University)	
Institute of National Importance	
Any other (Please specify)	

4. Type of University:

Unitary	√
Affiliating	

5. Source of Funding:

Central Government	√
State Government	
Self Financing	
Any Other	

6. Date of Establishment:

1.1. 03/03/2009 (Established by an Act of Parliament 2009)

1.2. Prior to the Establishment of the University, was it a/ an

P.G. College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Affiliated College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Constituent College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Autonomous College	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
Any Other (Please Specify)	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>

If Yes, give the date of establishment(dd/mm/yyyy)

7. Date of recognition as a University by UGC or any other National Agency:

Under Section	DD	MM	YYYY	Remarks
2f of UGC*	03	03	2009	-
12B of UGC*	-	-	-	-
3 of UGC#	-	-	-	-
Any other (Specify)	Central University of Rajasthan is a Centrally Funded University started as per the "Central University Act – 2009", enacted by the ordinance of the Parliament of India.			

8. Has the University been recognized**a. By UGC as a University with Potential for Excellence?**Yes No

If yes, date of recognition (dd/mm/yyyy)

b. For its performance by another governmental agency?Yes No

If yes, Name of the Agency and date of recognition:....(dd/mm/yyyy)

9. Does the University have off- campus centres? No

If yes, date of establishment: (dd/mm/yyyy)

Date of recognition:..... (dd/mm/yyyy)

10. Does the University have off- shore campuses? No

If yes, date of establishment: (dd/mm/yyyy)

Date of recognition:..... (dd/mm/yyyy)

11. Location of the Campus and area:

Campus	Location*	Campus area in Acres	Built up area in sq. Mts.
Main Campus	Rural (Bandarsindri Village) on NH-8	518+ Acres	Construction in progres
Other Campuses in the Country	-	-	-
Campuses abroad	-	-	-

(*Rural, Urban, Semi- Urban, Tribal, Hilly Area, Any other – please specify)

(If the University has more than one campus, it may submit consolidated SSR reflecting activities of all the Campuses.

12. Provide information on the following: In case of multi- Campus University, please provide campus wise information.

A. Auditorium/ Seminar Complex with infrastructural facilities: Yes

B. Sports Facilities:

i. Playground Yes

ii. Swimming pool No

iii. Gymnasium Yes

iv. Any other (please specify)

a. Basketball Court Yes

b. Volleyball Court

c. Badminton Courts Yes

d. Football ground cum Athletics Track Yes

e. Lawn Tennis Courts Yes

C. Hostels:

i. Boys' Hostel:

a. No. of Hostels 03

b. No. of resident students ~ 600

c. Facilities Yes

24 x 7 Electricity

RO Water purifier

24 x 7 Wi-Fi Internet Connectivity

bed with mattresses

Common Rooms with T.V. etc.

ii. Girls' Hostel:

a. No. of Hostels 03

- b. **No. of resident students** ~ 600
- c. **Facilities** Yes
 24 x 7 Electricity
 RO Water purifier
 24 x 7 Wi-Fi Internet Connectivity
 bed with mattresses
 Common Rooms with T.V. etc.
- iii. **Working Women's Hostel:**
- a. **No. of Hostels** 0
- b. **No. of resident students** 0
- c. **Facilities** No
- D. **Residential facilities for teaching and non- teaching faculty** Yes
- E. **Cafeteria** Yes
- F. **Health Centre (with In- patient, Out-patient, Emergency Care facility and Ambulance)** Yes
- G. **Other facilities (e.g. Banking, Post- Office, Stationary shop)** Yes
- H. **Transport facilities to cater to the need of students and staff:** Yes
- I. **Facilities for persons with disabilities** Yes
- J. **Animal House(s)** No
- K. **Incinerator facility for laboratories:** No
- L. **Electricity Power House:** Yes
- M. **Waste Management Facility:** No

13. No. of institutions affiliated to the University:

Central University of Rajasthan is a Non- affiliating University.

Type of Colleges	Total	Permanent	Temporary
Arts, Science and Commerce	-	-	-
Law	-	-	-
Medicine	-	-	-
Engineering	-	-	-
Education	-	-	-
Management	-	-	-
Any Other (Please Specify)	-	-	-

14. Does the University Act provide for Conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of Autonomous colleges under the jurisdiction of the University.

Not Applicable as Central University of Rajasthan is a non- affiliating University

15. Furnish the following information:

Particulars	Numbers	Number of Students
University Departments	20	~ 1700 Total Students
1. Undergraduate	10	~ 750 Integrated PG Students
2. Postgraduate	20	~ 800 PG Students
3. Research Centres	0*	~ 150 Ph.D. Scholars
Constituent College	-	-
Affiliated College	-	-
Colleges under 2(f)	-	-
Colleges under 2(f) & 12 B	-	-
NAAC accredited College	-	-
Colleges with Potential for Excellence (UGC)	-	-
Autonomous Colleges	-	-
Colleges with PG Departments	-	-
Colleges with Research Departments	-	-
University recognised Research Institutes/ Research Centres	-	-

*Central University of Rajasthan does not have any Research Centre. However, each Department offers and supports Doctoral Research Programs.

16. Does the University conform to the specification of the Degrees as enlisted by the UGC?

Yes No

17. Academic programmes offered by the University Departments at present, under the following categories (Enclose the list of academic programmes offered)

Programmes	Numbers
Undergraduate	-
Postgraduate	20
Integrated Masters	10
M.Phil.	-
Ph.D.	20
Integrated Ph.D.	-
Certificate	-
Diploma	-
PG Diploma	-
Any other (Vocation Course in Interior Designing)	1
Total	51

18. No. of working days during last Academic Year: 200 (2014-15)

19. Number of teaching days during past four Academic Years:

Academic Year	Number of Teaching Days*
2010 -11	200
2011-12	200
2012- 13	200
2013- 14	200

*Teaching Days do not include days on which End of Semester Examinations were conducted.

20. Does the University have a Department of Teacher Education?

Yes No

If yes,

- a. Year of establishment -
- b. NCTE recognition details (If applicable) -
- c. Notification No. -
- d. Date of Notification -
- e. Is the Department opting for assessment and accreditation separately? -

21. Does the University have a teaching Department of Physical Education?

Yes No

If yes,

- a. Year of establishment -
- b. NCTE recognition details (If applicable) -
- c. Notification No. -
- d. Date of Notification -
- e. Is the Department opting for assessment and accreditation separately? -

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered.

Yes No

If yes, please enclose approval/ recognition details issued by the statutory body governing the programmes.

23. Has the University been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

Central University of Rajasthan has not been reviewed by any regulatory authority till date.

24. Number of positions in the University:

Position	Teaching Faculty			Non-teaching Staff	Technical Staff
	Professor	Associate Professor	Assistant Professor		
Sanctioned by the UGC/ University/ State Government	22	43	88	145	30
Recruited	8	17	67	40	15
Yet to Recruited	14	26	21	105	15
No. of person working on contract basis	2	-	43*	-	52*

* Assistant Professors on Contract Basis have been recruited against vacant sanctioned positions of Assistant Professor, Associate Professor and Professor.

* Technical Staff on Contract Basis have been recruited against vacant sanctioned positions of Technical Staff and Non- Teaching Staff.

25. Qualification of the teaching staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	M	F	M	F	M	F	
Permanent Teachers							
D.Sc./ D. Litt.	-	-	-	-	-	-	-
Ph.D.	6	1	14	2	35	19	77
M.Phil.	-	-	-	-	-	-	-
PG	1	-	-	1	12	1	15
Temporary Teachers							
Ph.D.	2	-	-	-	17	3	22
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	19	4	23
Part- time Teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

26. Emeritus, Adjunct and Visiting Professor

	Emeritus	Adjunct	Visiting
Numbers	-	-	-

27. Chairs instituted by University: No

		Chairs instituted
School/ Department		-

28. Students enrolled in the University departments during the current Academic Year with following details

Students	UG		PG		Int. Master		M.Ph il.		Ph.D.		Certif icate		Diploma		Any Other (Specify)	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
From State where the University is Locate	-	-	134	114	99	81	-	-	27	21	-	-	25	11	-	-
From Other States of India	-	-	105	51	22	15	-	-	32	16	-	-	3	2	-	-
NRI Students	-	-	0	0	0	0	-	-	0	0	-	-	0	0	-	-
Foreign Students	-	-	3	1	0	0	-	-	0	0	-	-	0	0	-	-
Total	-	-	242	166	121	96	-	-	59	37	-	-	28	13	-	-

M - Male, F - Female

29. 'Unit cost' of education (Unit cost = total annual recurring expenditure/ divided by total number of students enrolled)

- (a) Including the Salary Component - Rs. 143785.00
 (b) Excluding the Salary Component - Rs. 45674.00

Academic Staff College Nil

Year of Establishment: N.A.

Number of Programmes conducted (with duration) N.A.

UGC Orientation Course

UGC Refresher Course

University's own programme

30. Does the University offer Distance Education Programmes (DEP)?

Yes

No

If yes, indicate the number of programmes offered: N.A.

Are the programmes recognized by Distance Education Council? N.A.

31. Does the University have a provision for external registration of students?

CRITERION WISE INPUTS

CRITERION - 1

(CURRICULAR ASPECTS)

CRITERION - 1 (CURRICULAR ASPECTS)

1.1. Curriculum Design and Development

Central University of Rajasthan has been established by Act of Parliament of India in 2009. His Excellency, Shri Pranab Mukharjee, Honourable President of India is the Visitor of the University. It is a non-affiliating University and it has the primary focus of catering to the needs of stakeholders by delivering excellence in academic and research activities. Central University of Rajasthan is making significant progress towards its objective of imparting high quality higher education by designing and constantly developing academic curriculum structure and content in a concerted manner. The curriculum designing and development at Central University of Rajasthan has also taken into consideration the prospective future demands of higher education policies in India, social responsibilities of educated human resource, global developments, technological advancements and skill set requirement for industrial employability.

1.1.1. How is the institutional vision and mission reflected in the academic programmes of the University?

The Central University of Rajasthan has its academic foundations based upon the following Vision and Mission:

Vision

The Central University of Rajasthan aspires to be one of India's most dynamic and vibrant universities, responsive to the changing global trends, providing unparalleled educational opportunities for the learner community especially for those coming from the lower socio-economic strata of society seeking quality education. It proposes to offer innovative undergraduate and post graduate academic programmes as well as continuing personal and professional enrichment in selected areas that will lead to the formation of a scholarly community by advancing, sharing and applying knowledge and by facilitating the development of thoughtful, creative, sensitive and responsible citizens.

Mission

The mission of the Central University of Rajasthan is to contribute to and work with a sense of commitment towards the educational, cultural, economic, environmental, health and social advancement of the region and the nation at large by providing excellent undergraduate liberal education and quality programs leading to bachelors, masters, professional and doctorate degrees.

Major considerations addressed in Vision and Mission of the University are:

- Provides education coherent to global trends
- Quality Education
- Providing opportunities of quality education to learner community specially from lower socio-economic strata of the society
- Innovative programmes and professional enrichment

- Formation of a scholarly community by advancing, sharing and applying knowledge
- Development of thoughtful, creative, sensitive and responsible citizens
- To contribute to and work with a sense of commitment towards the educational, cultural, economic, environmental, health and social advancement of the region and nation.

On the lines of vision and mission, the University offers academic programmes of global trends such as M.Sc. Statistics (Actuarial), M.Sc. Chemistry (Green Chemistry), M.A. Economics (Enviroeconomics), M. Arch. (Sustainable Architecture), M.Sc. Environmental Science (Desert studies) with focus on Climate Change and M.Sc. Computer Science (Artificial intelligence). Most of the programmes started by the University are in the tune of with global trends. Academic, research and extension programmes of the University

The fee structure of all the programmes is minimal as compared to other institutions offering similar programmes. This provides educational opportunities for the learner community especially for those coming from the lower socio-economic strata of society. From the year 2013, the University has started Integrated M.Sc. Programmes to attract best talents after 10+2 level. The programmes for personal and professional enrichment have been also started. Across the disciplines, University offers computer science to all students. Also programmes for soft skill development such as spoken English, personality development, orientation for students and teachers are arranged regularly.

The University has started programmes of bachelors, masters, and doctorate degrees during a period four years. The professional programmes such as Master of Architecture, M.Sc. Pharmaceutical Chemistry, Master of Business Administration, M.Sc. Statistics (Actuarial), M.Sc. Computer Science and Engineering, M.A. Culture and Media Studies have been started successfully. The University has established a Community College under which B. Voc. in Interior Design and Programmes of Early Childhood -Development are started in the year 2014.

The Central University of Rajasthan has also identified its niches areas of programmes under the motto 'Education for Sustainable Development'. This reflects the University's commitment towards the educational, cultural, economic, environmental, health and social advancement of the region and the nation. Under 10 Schools of Studies, 20 Post graduate, 10 integrated M.Sc. and 20 Ph.D. programmes are offered.

1.1.2 Does the University follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

Ever since its inception, Central University of Rajasthan has followed a systematic process in designing and development of different curricula. For ensuring the systematic curriculum design and development, Central University of Rajasthan has implemented the following steps:

- All inclusive brain storming session are organized by involving faculty, educationists from Universities / Research Organizations, Industries, various stake holders, to identify the programmes relevant to national and regional needs, as well as their employability.
- The programmes identified in the brainstorming session are discussed in the Academic Council of the University and then decision is placed before the Executive Council for approval.
- The University constitutes syllabus committees involving experts from leading Universities, Research Organizations & Industries for preparing the syllabus of the programme. In the process feedback from students and other stakeholders is taken.
- The University arranges counselling sessions at different cities and towns to aware the stake holders about courses being offered by the University.

1.1.3 How are the following aspects ensured through curriculum design and development?

- **Employability**
- **Innovation**
- **Research**

Central University of Rajasthan has invested significant efforts in ensuring that the employability, Innovation and Research aptitude through curriculum design and development. To do so, the Curricula are designed on standardized UGC curriculum, the UGC- NET, UGC-CSIR-NET examinations and experts' suggestions. Further, while curricula was being designed and developed feedback was sought from experts belonging to academia and industry. The developed curricula have been evaluated by experts with specific reference to the needs of the global market. In the curriculum of each programme, summer placement in industry/research organization is incorporated, where students get practical training in the research area/ industrial aspect of their choice.

For further development of curricula, continuous feedback is taken from course teachers specializing in respective subject areas. The University encourages innovations through dissertations work at the post graduate levels. Students are asked to design and develop a relevant research problem under the guidance of Mentor Faculty. Subsequently, the problem is addressed by well plan research work. The outcome of these projects is unique as students bring out the real solutions of local and regional problems.

With regards to Research activities, it has been made an integral part of the academic curricula. Separate credits are allocated for dissertation. In the pre-Ph.D. programmes, special emphasis is given on development of understanding of research methodology. The research methodology for pre-Ph.D. course work includes the following aspects: (i) General research methodology (ii) Research methods for science/social science/humanities/arts (iii) Subject specific Research methodology.

1.1.4. To what extent does the University use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the University been instrumental in leading any curricular reform which has created a National impact?

The University follows a working document on academic issues and their implementation as designated for 15 new Central Universities, prepared by the UGC sub-committee consisting of Prof. S.P. Thyagarajan, Former Vice Chancellor, University of Madras and Dr. K.P.S. Unny, Former Registrar, JNU. The important features of curriculum framed for various programmes are:

- Entire syllabus is divided into four parts corresponding to four semesters for the two-year programme or into six parts corresponding to six semesters for the three-year programme.
- Each semester has 6-8 courses carrying a total of 24 credits and the course contents are divided accordingly in terms of core, elective and supportive types.
- Core courses are offered by the parent Department which are mandatory. The total number of core courses in a programme is between 70-80% of the credits.
- The rest of 30-20% of the credits belong to category of elective courses that are spread in a rational way over the entire duration of programme. Proper interfacing of social sciences with sciences is ensured. Choice of courses under these credits is available to the students.
- Syllabus of each course is divided into units corresponding to the allotted number of credits. Generally one credit is equal to 15 hours during a semester.
- The syllabus of each course is appended with a list of appropriate recent reference books.
- A format of Course Structure is provided with basic information of titles of papers, Codes of papers and credits allotted.

The courses and academic programmes are developed according to the UGC guidelines. The University has developed unique curricula which creates national impact. The Central University of Rajasthan is among a few universities taken lead in designing the following curricula:

- M.Sc. Statistics (Actuarial)
- M.Sc. Chemistry (Green Chemistry)
- M.A. Public Policy, Law and Governance
- M.A. Culture & Media Studies

Most of the academic programmes are focused of sustainable development. The academic profile of the University reflects an integration of education, development and society.

1.1.5 Does the University interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the University benefitted through interactions with the stakeholders?

Central University of Rajasthan has encouraged its Departments to have constant interactions with Industry, Research Bodies and Civil Societies with regards to curriculum development and revision process. However, many of the Departments of the University are relatively young have existed for 2- 4 years only. These Departments have implemented the curricula developed by experts of the respective academic and research fields. The curricula revision shall be carried out by all the Departments after completion of 3 or 5 batches of Masters or Doctoral Courses.

Meanwhile, nearly all the departments have interacted with industries, research bodies and civil Society for their inputs on standard and quality of the curricula. A brief list of Department wise interactions with Industries/ Research Bodies and Civil Societies is as follows:

Table: Interactions with Industries / Research bodies for curricula development:

S. No.	Department/ Programmes	Interaction form	
		Research Bodies	Industries
1	Architecture	MNIT, Jaipur SPA, New Delhi Centre for Development Communication	Armstrong Godrej BP-Ergo Consultant Sh. Mathur Architect Sh. Sanjay Praksh Development Professionals, Real Estate firm Unique Dream Builders
2.	Biochemistry	AIIMS, New Delhi JNU, New Delhi Allahabad University, Allahabad Lucknow University, Lucknow	-
3	Biotechnology	IGIB- CSIR, New Delhi JNU, New-Delhi ARI, Pune Nirma University, Ahmedabad MKU, Madurai, AMITY University, Noida	Genotypic Solutions, Bangalore
4	Chemistry	BASI- Mumbai; BARC- Mumbai; CDRI- Lucknow; IICT- Hyderabad; SGPGI- Lucknow, IIT- Mumbai, Mumbai	BASF- Mumbai, Hikal, Bangalore
5	Commerce	-	-

S. No.	Department/ Programmes	Interaction form	
		Research Bodies	Industries
6	Computer Science	Jawaharlal Nehru University (JNU), New Delhi, Banaras Hindu University (BHU), Varanasi, Maharshi Dayanad Saraswati University (MDS), Ajmer MNIT, Jaipur Lucknow University (LU), Lucknow	i-3 INDIYA Technology, Delhi A3 Logic, Jaipur UROTAB, Noida
7	Computer Science & Engineering	MNIT-Jaipur IIT-Kanpur IIT-Hyderabad IIT Delhi ISI- Kolkata SVNIT- Surat ABV-IIITM – Gwalior	Infosys SET Labs
8	Culture and Media Studies	-	CNN- IBN Star NDTV Bhaskar – TV India Today Rajasthan Patrika CRAFT- Mandi ETV Rajasthan Top- Quark Films DNA PT News Anhad Productions India TV Nepal – I Dainik Navjyoti Janta TV ABN News Carat Media Services Naxtra News Light Production
9	Economics	-	-
10	English	"Bhasa" Research and Publication Centre Sahitya Akademi Media and communication Centres, IGNOU, Jamia Milia.	"Pratham" NGO Creative Writers and Script Writers from Industry. Comparative Literature association and Institutes
11	Environmental Science	NEERI; BARC; CAZRI; JNU, Delhi; GJU, the institute of Science; NRSC, ISRO	Heidelberg Cement India Ltd., M.P., EPL

S. No.	Department/ Programmes	Interaction form	
		Research Bodies	Industries
12	Hindi	Jawaharlal Nehru University (JNU), New Delhi University of Rajasthan, Jaipur	Akashwani Kendra, Jaipur. Doordarshan Kendra, Jaipur. Rajasthan Lok Sewa Aayog, Ajmer. Narakas, Jaipur. Tilonia Village (barefoot College).
13	Mathematics	IIT- Delhi, University of Rajasthan, Jaipur MNIT, Jaipur Karnataka University, Dharwad TIFR, Mumbai, Panjab University, Chandigarh	-
14	Management		Shree Cement, Genpact; Start Oasis Rajasthan Spinning and Weaving Mill
15	Microbiology	University of Rajasthan, Jaipur Delhi University, New Delhi Birla Institute of Science and Research, Jaipur	-
16	Pharmacy	NIPER- Mohali, Panjab University, Chandigarh Bombay College of Pharmacy, Mumbai,	-
17	Physics	Jawaharlal Nehru University (JNU), New Delhi, University of Rajasthan, Jaipur, Pune University, Pune	Wipro for High Performance Computing
18	Public Policy Law & Governance	Jawaharlal Nehru University (JNU), New Delhi, Central University- Hyderabad, Management Development Institute (MDI), Gurgaon	-
19	Social work	Tata Institute of Social Sciences (TISS), Mumbai, Jain Vishvabharati University, Ladnun,	-

S. No.	Department/ Programmes	Interaction form	
		Research Bodies	Industries
20	Statistics	Pune University, Pune, University of Rajasthan, Jaipur Shivaji University, Kolhapur, North Maharashtra University, Jalgaon, University of Mumbai, Mumbai.	IRDA

1.1.6 Give details of how the University facilitates the introduction of new programmes of studies in its affiliated colleges.

The University has no affiliated colleges

1.1.7 Does the University encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities). N.A.

1.2. Academic Flexibility

1.2.1 Furnish the inventory for the following:

• **Programmes taught on campus**

The following programmes are taught at the University Campus

Integrated M.Sc. Programmes (5 years)

- Biochemistry (after 10+2)
- Biotechnology (after 10+2)
- Computer Science (after 10+2)
- Environmental Science
- Microbiology (after 10+2)
- Statistics (after 10+2)
- Chemistry (after 10+2)
- Economics (after 10+2)
- Mathematics (after 10+2)
- Physics (after 10+2)

M.A. Programmes (2 years)

- Culture & Media Studies
- Economics
- English
- Hindi
- Public Policy, Law & Governance
- Social Work

M.Sc. Tech. Programmes (3 years)

- Mathematics

M.Com. Programmes (2 years)

- Commerce

M. Pharm. Programmes (2 years)

- Pharmacy (Pharmaceutical Chemistry)

M.Sc. Programmes (2 years)

- Biochemistry
- Biotechnology
- Chemistry
- Computer Science
- Environmental Science
- Microbiology
- Physics

M.Sc./ M. A. Programmes (2 years)

- Statistics

M.Arch. Programme (2 years)

- Architecture (Sustainable Architecture)

MBA Programme (2 years)

- Business Administration

M.Tech. Programme (2 years)

- Computer Science & Engineering

Ph. D. Programmes

- Architecture
- Biochemistry
- Biotechnology
- Chemistry
- Commerce
- Computer Science
- Computer Science & Engineering
- Culture and Media Studies
- Economics
- English
- Environmental Science
- Hindi
- Management
- Mathematics
- Microbiology
- Pharmacy
- Physics
- Public Policy, Law and Governance
- Social Work
- Statistics

Overseas programmes offered on campus

- None of the overseas programmes are offered on campus.

Programmes available for colleges to choose from

- Not Applicable.

Give details on the following provisions with reference to academic flexibility**• Core / Elective options**

At Central University of Rajasthan, on the first day of the semester, students are advised to register only for just as many courses as they can cope with but the total of the credits of the courses registered in the parent department must not be below 16 in any semester. A student is given time of two weeks from the date of commencement of semester to finalise her/his choice of courses which is done on individual student basis through counselling by the student advisor and the Head of the parent department by taking into account the student's progress, attendance, etc. A student thus has an opportunity to opt out of a course within two weeks if the student wishes to take the course during the following year / semesters so as to match the load to her or his ability.

Once the choice of courses is finalised, the department communicates to the University the consolidated list of courses registered by the students, indicating separately the courses being audited, of the department within one month of the commencement of a semester. This forms the basis for application of regulations regarding attendance, SGPA / CGPA and promotion to the next semester. A student may be permitted to do certain courses in another Institution subject to compatibility of course content and assessment process with the prior approval of the department, and the University allows transfer of credits of such courses on the recommendation of the Dean of the school. Similar benefit is also given, on the recommendations of the Dean of the school, if a student has successfully completed a course, equivalent to a core course of the programme for which the student has registered, in a recognised Institution prior to joining a programme.

• Enrichment courses:

The Central University of Rajasthan offers option of 'Audit Course' as Enrichment courses. These courses are opted by students in addition to the regular credit courses. The scores attained in the 'audit courses' are reflected in their grade sheets.

• Courses offered in modular form:

Presently, Central University of Rajasthan does not offer any course in Modular form, however, University proposes to introduce such courses in future.

• Credit accumulation and transfer facility:

The Central University of Rajasthan allows Inter-University transfer and mobility of students across different Universities of India and abroad. A fully evolved credit transfer scheme is implemented to cater the need of such credit transfer and credit accumulation facility. This includes:

- (a) Transfer of credits by students of the University to other Universities/ educational institutions; and
- (b) Acceptance of credits earned by students from other Universities.

The Central University of Rajasthan has a procedure for the issue of transcript to students seeking transfer of credit.

The maximum credits that are accepted for transfer shall not exceed 20% of the total credits required for the completion of the Programme of study in

which a student has been admitted. Only such Courses are considered for acceptance of credit transfer, in which the student has secured at least B grade or GPA of 2 or 50% marks, as the case may be. In case if a student has earned more credits from other Universities/educational institutions/research institutions, the student has to indicate his/her preference for credit transfer. However, the decision of the Dean of the School concerned in this regard is considered as final.

The credit equivalence for accepting credit transfer is determined as under:

- a) for credit earned by students from Universities that have the credit system in place, a Course work requiring 10 hours of contact hours is considered as equivalent to 1 credit of the University; and
- b) for Courses completed from Universities/educational institutions/research institutions that do not follow credit system but have semester system in place, a course work requiring a minimum 30 lecture hours per semester is considered as equivalent to 3 credits of the University; and
- c) for Courses completed from Universities/educational institutions/research institutions that neither follow the credit system nor have the semester system, a Course work requiring formal classroom instruction/lab work of at least 3 hours per week it is considered as equivalent to 3 credits of the University.

The University also permits its students to accumulate certain credits from other Universities/ educational institutions/ research institutions in full or partial fulfilment of the required Course work. In such cases:

- a) The student is required to obtain prior approval of the Dean of the School;
- b) The Courses can be undertaken only in the specified institutions; and
- c) The maximum number of credits that can be accumulated by a student from other institutions shall not exceed 20% of the total credits prescribed for the successful completion of the programme of study.

Lateral and vertical mobility within and across programmes, courses and disciplines:

At present, Central University of Rajasthan does not offer any course with Lateral and vertical mobility across programmes, courses and disciplines.

1.2.2 Does the University have an explicit policy and strategy for attracting international students?

The University makes efforts to attract international students. An admission Brochure is prepared indicating the list of academic courses along with eligibility, procedure of admission, etc. This brochure is sent to different consulates to inform the prospective students as well as is available on the University website.

1.2.3 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

All the Post Graduate Courses have been designed to attract national as well as international students. The following courses are popular amongst international students;

- M.Sc. Tech. Mathematics (Students from Russia have taken this course)
- M.A. English (students from Kazakhstan)
- M.A. Culture & Media Studies (students from Nepal, Ethiopia)
- M.Sc. Environmental Science (Two students from Uppsala University, Sweden worked in the department for their project on the impact of climate change on water resources)
- M.Sc. Biotechnology (Student from Uganda)
- M.A. Social Work (Student from Guyana)
- M.B.A (Students from Lesotho and Nepal)

1.2.4 Does the University facilitate dual degree and twinning programmes? If yes, give details.

The University does not offer dual degree programmes.

1.2.5. Does the University offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?

The University does not offer any self-financing programmes.

1.2.6. Does the University provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they interested in? If 'Yes', give operational details.

The University provides flexibility among the regular courses of the University. In view of the availability of various courses in the University, there is no scope of choosing courses of distant mode of education by the students.

1.2.7. Has the University adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the University to encourage the introduction of CBCS in its affiliated colleges?

Yes! The University has adopted Choice Based Credit System (CBCS) right from the beginning. The students are encouraged to take courses of their choice across the disciplines. The credits pertaining to the subject are allotted for various programmes. In addition to these the students are required to select courses of their choice from other departments. A student has to take 96 credits (Core subject + Credits of elective/supportive) for award of Post Graduate degree. List of courses offered by one department to another is listed in annexure I.

1.2.8. What percentage of programmes offered by the University follows?

- **Annual system**
- **Semester system**
- **Trimester system**

All the programmes offered by Central University of Rajasthan follow **Semester system**.

1.2.9. How does the University promote inter - disciplinary programmes? Name a few programmes and comment on their outcome.

The University promotes inter-disciplinary programmes. For example, a student of Biotechnology will be offered to take courses in Mathematics. Similarly, student of Chemistry will have opportunity to study Biology. The following programmes are interdisciplinary having content of other disciplines:

Programmes	Content of Disciplines
M.Sc. Tech Mathematics	Statistics Computer science English
M.Sc. Chemistry	Industrial Processes Environment Biology Mathematics
M.Sc. Biotechnology	Mathematics Physics English Management and marketing
M.Sc. Microbiology	Mathematics Physics English Management and marketing
M.Sc. Biochemistry	Mathematics Physics English Management and marketing
M.Sc. Environmental science	Architecture Chemistry Computer Science Public Policy Social Work English Economics
M.A. English	ELT Media studies Film appreciation
M.A. Economics	Environmental Science Mathematics
M.A. Culture & Media Studies	History Photography Film making English
M.A. Public Policy, Law & Governance	English Environmental Science Business management Economics Culture and Media

Programmes	Content of Disciplines
M. Arch.	Environmental Science English
M.Tech. Computer Science & Eng.	English Mathematics
M.Sc. Physics	Mathematics English Computer Science Environmental Science
M.A/ M.Sc. Statistics	Economics Commerce Mathematics
M.A. Hindi	Culture and Media Studies English Computer Science
M.Pharma.	Chemistry Life Sciences Statistics English
M.B.A.	Economics Public Policy, Law & Governance Commerce
Integrated M.Sc. (First two years) Physics Chemistry Mathematics Biochemistry Biotechnology Microbiology Environmental Science	Physics Mathematics Chemistry Biology Hindi English Computer Sciences Environmental Sciences
Integrated M.Sc. (First two years) Computer Science Economics Statistics	Mathematics Hindi English Computer Sciences Environmental Sciences

Details of course codes and course credits of inter- disciplinary nature is given in Annexure-I

1.3 Curriculum Enrichment:

1.3.1. How often is the curriculum of the University reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

All the programmes are new and launched first time in the University. Therefore, need for upgrading of programmes was not felt. Already the syllabi were made socially relevant. The syllabus of M.A. Social Work was designed to focus surveys and practical in the remote villages and community. The content of other programmes like Environmental Science,; Culture & Media Studies,; Public policy, Law and Governance directly address the issues of society.

The programmes are framed in view of the present and future needs of the market. In all the programmes, summer training in some industry, research organization is mandatory, so that the students may get opportunities for jobs. As policy, the curricula of various academic programmes are knowledge intensive and topics of emerging areas of concerned discipline are incorporated. The syllabus committee members are advised to consult syllabi of top universities of India and abroad. They are also advised to frame the curricula so that students can get success in national and International level competitive examinations like NET, GATE, ICS, CAT, GRE, TOEFL, IELTS etc. Following are reasons that the curricula have high job potential:

1. Experts from Industries and Research Organizations in Syllabus committees.
2. Extensive field and practical training in the curricula
3. Dissertations in the IV semester in all programmes
4. Summer training mandatory
5. Topics relevant to competitive examinations are included in the syllabi.

1.3.2 During the last five years, how many new programmes at UG and PG levels were introduced? Give details.

- **Inter-disciplinary**
- **Programmes in emerging areas**

Year	Programmes	Level	Total
2009-10	1. M.Sc. / M.A. Statistics (with specialization in Actuarial Science) 2. M.Sc. Tech. Mathematics (Combination of Mathematics and Computer Science)	P.G.	2
2010-11	1. M.A. English (Creative writing, script writing for media & Film appreciation) 2. M.A. Economics (Enviro-Economics) 3. M.B.A. (Entrepreneurship) 4. M.Sc. Chemistry (Green Chemistry) 5. M. Tech. Computer Science & Engineering (Information Security) 6. M.Sc. Computer Science (Artificial Intelligence)	P.G.	6
2011-12	1. M.A. Culture and Media Studies 2. M. Arch. (Sustainable Architecture) 3. M.Sc. Physics 4. M.Sc. Biotechnology 5. M.A. Hindi (Functional Hindi)	P.G.	6

Year	Programmes	Level	Total
	6. M.Sc. Environmental Science (Desert Studies)		
2012-13	1. M. Pharm. (Specialization in Pharmaceutical Chemistry) 2. M.Sc. Microbiology 3. M.Sc. Biochemistry 4. M.A. Public Policy, Law & Governance 5. M.A. Social work 6. M. Com.	P.G.	6
2012-13	Ph.D. Programmes	Ph.D.	20
2013-14*	1. Int. M.Sc. Mathematics 2. Int. M.Sc. Physics 3. Int. M.Sc. Chemistry 4. Int. M.Sc. Economics 5. Int. M.Sc. Microbiology 6. Int. M.Sc. Biotechnology 7. Int. M.Sc. Biochemistry 8. Int. M.Sc. Environmental Science 9. Int. M.Sc. Computer Science 10. Int. M.Sc. Statistics	UG +PG	10
Total Programmes started during last 5 years			50

***In addition, University also started the following programmes under Community College during the year 2013-14:**

- Advanced Diploma in Interior Designing
- Certificate in Early Childhood Education and Development

1.3.3 What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?

Central University of Rajasthan is a young University and many of its academic and research programmes have been initiated only during last 5 years of existence. Therefore, many of the existing programmes have been in place for only 2-3 years. The syllabi for these programmes were designed experts and approved by the Academic and Executive Council. There has not been any need felt for syllabus revision. Many of the Departments are in the process of reviewing the general performance of the currently implemented syllabi and if there would be need for syllabus revision, it would be done subsequently.

1.3.4 What are the value-added courses offered by the University and how does the University ensure that all students have access to them?

The Central University of Rajasthan has introduced value added courses. Many programmes/ events are organized with focus on the above through Innovation Club, Lectures by Inspire teachers, Entrepreneurship Development, Personality Development, Human Rights, Social work, Environmental Studies, Soft Skills Development.

1.3.5 Has the University introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

Central University of Rajasthan consults the curricula of Universities of repute from India and abroad. There are separate Syllabus Committees for different subjects. Looking to the level of Central University, the syllabi were prepared by the experts from reputed universities, Research Organizations and Industries. Total number of experts for various courses ranged from 8- 15. One expert is appointed as Chairman of the Committee. These syllabi are put before the Academic Council of the University for approval.

Being a new University, the Board of Studies were constituted after appointment of teachers in various departments. The tenure of Board of studies of each department is 3 Years. There are Schools of Studies comprising departments, so University has also constituted School Boards, comprising: (1) Dean of School- Chairperson; (2) HoD of All Departments under the School and (3) External Experts (not more than five)

The circulars regarding incorporation of programmes of national requirement are received by the University from UGC, NSDC and other Agencies, which are placed before Deans Committee and further incorporated in curricula of appropriate department. The University has introduced/incorporated the following skill development programmes at UG level in consonance with the national requirements:

- Environmental studies
- Disaster Management
- Community college programmes
- ICT
- Human Rights

1.4 Feedback System

1.4.1. Does the University have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

The University departments take formal feedback on various aspects of teaching learning process from:

- Present students
- Passed out students
- Peers and experts in the field
- Industrial personnel

The students are notified for their feedback on curriculum before they leave the University after convocation. The students pursuing the degree are also notified for feedback. The feedback from passed out and present students is recorded and discussed among the faculty. Further, the feedback is to be

placed before the Board of Studies for consideration and modification accordingly. The experts in the field and industrial personnel are also requested to give their feedback on curriculum. The departments receive their feedback through email which is discussed in the syllabus committee meeting/Board of Studies or during the syllabus committee meetings.

1.4.2. Does the University elicit feedback on the curriculum from National and International faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

Initially, the University launched a Blog at Wordpress.com and invited suggestions from national and International academia through launching a Blog at Wordpress.com. The University received suggestions about academic structure and on curricula to be started. Presently, the University organizes Brainstorming sessions to take the feedback from academia. Also, the syllabus is circulated to experts of universities and Research Organizations for feedback and to seek their suggestions. The suggestions are incorporated in the draft syllabus. Subsequently, the syllabi are discussed in the committees and recommended for approval in Academic Council of the University.

1.4.3. Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

The University is residential. There is no college affiliated to the University.

1.4.4. What are the quality sustenances and quality enhancement measures undertaken by the University in ensuring the effective development of the curricula?

Being a new University all programmes are new. The quality sustenance and quality enhancement measures are undertaken by the University in ensuring the effective development of the curricula through the following:

1. Comments on curricula and courses are being taken on the Blog of Vice Chancellor.
2. The University takes feedbacks from all stakeholders.
3. Regular monitoring by the IQAC of the University
4. Informal Feedback from experts visiting the University is taken.
4. Students feedback is taken time to time.
6. Syllabi of all programmes are displayed on the University website.

Any other information regarding curricular aspects which the University would like to include.

In addition, Central University of Rajasthan also follows the following mechanism for Curriculum design and development:

1. The University seeks comments suggestions on curricula and structure of the academic programmes on the Blog created by the Vice Chancellor since beginning.

2. The University organizes Brainstorming Sessions each year before launching the academic programmes. Eminent experts and educationists from industry and academia are invited in this session.
3. The draft syllabus is circulated to eminent experts for their comments/suggestions and then it is finalized by the Syllabus Committee. The comments of experts are incorporated in the curricula.

Annexure-I

Courses offered by Departments to the Students of other Departments			Courses of other Departments taken by the students of your Department		
Department	Code & Title	Credits	Departments	Code & Title	Credits
English					
English	MAEN207	04	CMS	MAC106	04
English	MAEN406	04	CMS	MAC101	04
English	writing & editing for media and creative writing		PPLG	MPPLG204	04
			HINDI	MAH102	04
			CMS	MAC403	08
Environmental Science					
Economics	MAES01	4	CSE	MSE207	2
Economics	MAEE05	4	PPLG	MSE406	4
Physics		4	Social work	MSE407	2
Chemistry	CHT304	3	English	MSE108	2
			Economics	MSE107	2
			Maths/ Architecture	MSE307	2
Microbiology					
Biochemistry	MSBC103, Microbiology	3	English	MSMB105 Communication Skills	2
Biochemistry	MSBC104 Analytical Techniques	3	Mathematics	MSMB106 Mathematics for Biologists	2
Biochemistry	MSBC205 Enzymology	2	Physics	MSMB107 Physics for Biologists	2
Biochemistry	MSBC206 Virology	2	Biotechnology	MSMB207 Biosafety and IPR issues GF	2
Biotechnology	MSBT103 Microbiology	3	Management	MSMB404 Marketing management	3
Biotechnology	MSBT104 Analytical Techniques	3			
Biotechnology	MSBT205 Enzymology	2			
Biotechnology	MSBT206 Virology	2			

Courses offered by Departments to the Students of other Departments			Courses of other Departments taken by the students of your Department		
Biotechnology					
Biochemistry/ Microbiology	MSBC/ MSMB 101 Biochemistry	3	Statistics	MSBT301 Biostatic.	3
Biochemistry/ Microbiology	MSBC/ MSMB 102 Genetics	3	Mathematics	MSBT106 Maths	2
Biochemistry/ Microbiology	MSBC/ MSMB 103 Microbiology	3	English	MSBT105 Communication	2
Biochemistry/ Microbiology	MSBC/ MSMB 104 Analytical Tech.	3	Physics	MSBT107 Physics	2
Biochemistry/ Microbiology	MSBC/ MSMB 201 Cell Biology	3	Management	MSBT404 Marketing	3
Biochemistry/ Microbiology	MSBC/ MSMB 202, Molecular Biology	3			
Biochemistry/ Microbiology	MSBC/ MSMB 203 Immunology	2			
Biochemistry/ Microbiology	MSBC/ MSMB 204 Structure Biology	2			
Biochemistry					
Biotechnology/ Microbiology	MSBT/ MSMB 101 Biochemistry	3	Statistics	MSBT301 Biostatic.	3
Biotechnology/ Microbiology	MSBT/MSMB 201 Cell Biology	3	Mathematics	MSBT106 Maths	2
Biotechnology/ Microbiology	MSBT/MSMB 202 Molecular Biolog	3	English	MSBT105 Communication	2
Biotechnology/ Microbiology	MSBT/MSMB 206 Virology	2	Physics	MSBT107 Physics	2
Chemistry	Biomolecular Chemistry	3	Management	MSBT404 Marketing	3
Chemistry	Biology for Chemists	2			
Pharmacy					
			Computer Science	Fundamentals of Comp. Science	01
			Statistics	Biostats and IPR MPMC 101	4
			English	Communication Skills	

Courses offered by Departments to the Students of other Departments			Courses of other Departments taken by the students of your Department		
Chemistry					
Pharmacy	MPMC103	2			
	MPMC102	3			
Computer Science					
Economics	IC-101,ICT	1	Mathematics	MAI-214, Fuzzy Logics	4
Physics	IC-101,ICT	1	Mathematics	MAI-212, Game Theory	4
Environmental Science	IC-101,ICT	1	Mathematics	MAI-112,Logics in Computer Scinece	4
Mathematics	IC-101,ICT	1	English	MAI-166, Professional Communication	3
Statistics	IC-101,ICT	1	English	MAI-119, programing Language Lab	2
Biochemistry	IC-101,ICT	1	English	MAI-216, Advanced English	2
Biotechnology	IC-101,ICT	1			
Chemistry	IC-101,ICT	1			
Hindi, Physics, chemistry, Management, Economics	Fundamentals of Computer	4			
Commerce	MC III, Ecommerce & Accounting Pacjages	4			
Mathematics	MTM-406, Programming Language	3			
Mathematics	MTM-405,DBMS	3			
Mathematics	Open Elective - Computer Graphics	3			
Mathematics	MTM-505, Programing in C	4			
Mathematics	MTM-107, C Programing Lab	2			
Mathematics	MTM-205, Data Structures in 'C' and Algorithms	4			
Mathematics	MTM-207, Data Structures in 'C' Lab	2			

Courses offered by Departments to the Students of other Departments			Courses of other Departments taken by the students of your Department		
Computer Science & Engineering					
			English	MAE207 writing & editing for Media	4
			Comp. Science	Java Prog.	4
Mathematics					
Physics	MTM303 Numerical analysis	4	Computer Science	MTM502 Image processing	4
Computer Science	MTM406 Game Theory	4	Computer Science	MTM503 Compiler Design	4
Statistics	MSTA104 linear algebra and analysis	4	Computer Science	MTM504 DBMS	4
			Computer Science	MTM505 Theory of Compilation	4
Culture & Media Studies					
Social Work	MSW204 folklore & oral traditions	4	English	Writing & editing For media	4
Economics	MAC204 Documentary	4			
Economics	MAC205 Video post- production	4			
English	MAC403 Dissertation	8			
Public Policy Law & Governance					
Management	204,401	4, 4			
Economics	204	4			
Environmental Science	406/203	4			
Biotech.	203	4			
Social Work					
DES	MSW202	2	DOE	MSW106	2
			DOCS	MO7107	2
			DCMS	MAC102	2
			DCMS	MAC203	2
Physics					
School of Life Sciences	Physics for biologists	2	Mathematics	MTM303 Numerical Analysis	4
	MSMB107				
	MSMB107		Env. Science	MSE206 Remote sensing & GIS	4
Management					
Economics	MBAF407 Financial Engineering	3	Economics	MAE-11 Introduction to Economics	4

Courses offered by Departments to the Students of other Departments			Courses of other Departments taken by the students of your Department		
Economics	MBA206 Industrial Business	3	Economics	MAE09 Theory of international Trade	4
English	MBA107 Organisational Behaviour	3	Economics	MAE-02 Micro Economics Part-II	4
Microbiology	MBA203 Business Plan Formulation	3	Economics	MAE-12 Public Economics	4
Chemistry	CHT406 Financial Management	2	Public Policy & Law Governance	MPLLG-204 Public Administration & Governance in India	4
Biotechnology	MSBT404 Marketing Management	3	Culture & Media Studies	MAC203 Folklore & oral Traditions	4
Biochemistry	MSBC404 Marketing Management	3	Commerce	MC-IV.2 Project Planning & control	4
Microbiology	MSMB404 Marketing Management	3	Public Policy & Law Governance	MPLG-401 Social Cohesion	4
Statistics					
Com. Sci. Eng.	CSIS 301 Random Process and Probability	4	Mathematics	MSTA104 Linear Algebra and Analysis	4
M. Pharma	MPMC101 Biostatics & IPR	2	Economics	Economics for actuarial Science	4
Mathematics	MTM103 Probability and Probability Distribution	4	Commerce	MSTA402 Finance and Financial Reporting	4
Economics	MSTA401 Multivariate analysis and Data Mining	4			
Ph.D.	Research Methodology	1			
All Departments	MSTA207 Sampling Technique and Demography	4			
Commerce					
Management	MC I-5 Banking & industrial Management	4	CMS		4
Management	MC I-6 Advance B. Stat.	4	Economics		4
Management	MC IV-2	4			

Courses offered by Departments to the Students of other Departments			Courses of other Departments taken by the students of your Department		
Economics					
Management	MAE11 Intro Eco.	4	PPLG		4
Management	MAE12 Public Eco.	4	Statistics		4
Management	MAE02 Micro Eco.	4	Management		4
Management	MAE09 International Trade	4	Management		4
Hindi					
English	MAE404 (वेब पत्रकारिता)	4	CMS	MAC202	4
Management	MAE 406 (पकथा लेखन AWAM फिल्म NIRMAN)	4		MAC203	4
English	MAE102	4			
Architecture					
No full Range is offered for other departments due to unique nature of subject. Possibilities exist for Part Courses			Env. Science	Water Management	3
			English	Communication Skills	3

CRITERION - 2
(TEACHING, LEARNING &
EVALUATION)

CRITERION - 2 (TEACHING, LEARNING AND EVALUATION)

2.1 Student Enrolment and Profile

2.1.1 How does the University ensure publicity and transparency in the admission process?

The admission procedure is laid down under University Ordinance No. 01 and is displayed on the University website. Admission of students shall be made strictly on the basis of merit adjudged through All India Common Entrance Test or through Central Universities Common Entrance Test (CUCET) wherever applicable, aimed at assessing knowledge, comprehension and aptitude of the student to pursue higher studies, through written test/viva/group discussion/ personal interview or a combination of these.

2.1.2. Explain in detail the process of admission put in place by the University. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the University (please specify).

Admission is made on basis of merit decided by All India Common Test or Central Universities Common Entrance Test. The information relating to conduct of CUCET is published in News papers for inviting applications from the aspirant students, the entrance examination is held at headquarters or other places as notified by the University. Admission are strictly made on the of merit entrance test, interview, group discussion, and other criteria decided by the Academics Council of the University from time to time.

2.1.3. Provide details of admission process in the affiliated colleges and the University's role in monitoring the same.

Not Applicable. Central University of Rajasthan does not have affiliated colleges.

2.1.4. Does the University have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

Central University of Rajasthan conducts annual review of admission process. The admission committee under the chairmanship of VC reviews the whole process of admission and the profile of the students admitted every year. Before the start of the admission process, the Vice Chancellor holds consultations with the Centralised and Departmental Admission Committee's consisting of the Deans', Heads of the Departments and Faculty Members. The admission process of the University, its pros and cons and previous experiences are shared. On the basis of these discussions, the admission process / procedure are formulated. Transparency is maintained in admissions by following rules and regulations of the Government. By following the suggestions received during the discussions, the University has been able to launch new programmes year after year on a regular basis thus

resulting in the considerable increase in the number of candidates admitted including the female candidates. Once the admission process is over, reviews are conducted by the IQAC along with the Centralised and Departmental Admissions Committee's. These committee's study the students' profile in order to ascertain the student strength, their socio-economic status and their capabilities. The annual review of the student profiles makes the parents repose faith in the University. The periodic review of the students' profile helps the University in alerting the parents and instituting measures for the betterment of their ward's progress. In turn this practice generates goodwill for the University in the eyes of the general public.

As part of this process, University assesses the admission procedure for following aspects: (i) No. of application/ number of seats offered; (ii) No. of applications received from application from Rajasthan/ Other States.; (iii) No. of applications received from male/ female applicants.; (iv) no. of applications received from applicants belonging to weaker section of society. On account of review of admission process, University has been able to finalise the admission quickly and timely without and difficulty to students coming for admission. Further, the review of the admission procedure on above aspects has ascertained that over the 5 years of its existence, C, U. Rajasthan has attracted continuously increasing applications from students belonging to various parts of the country, sections of society and also there has been equal participation of female applicants.

2.1.5. What are the strategies adopted to increase / improve access for students belonging to the following categories:

- **SC/ST**
- **OBC**
- **Women**
- **Persons with varied disabilities**
- **Economically weaker sections**
- **Outstanding achievers in sports and other extracurricular activities**

SC/ST/OBC/women/persons with varied disabilities/economically weaker sections/ outstanding achievers in sports and other extracurricular activities, 15% of the seats in the University academics programmes are reserved for student belonging to scheduled cast, 7.5% for students belonging scheduled Tribes 27% for students belonging to other backward classes. Provided that nothing shall deem to present the University from making special provision for admission of women, persons with disabilities or the person belonging to weaker section of the society and, in particular, of the scheduled castes, the scheduled Tribes and other socially and educationally backward classes of citizens. The 5% of seats over and above the normal intake in each programme is reserved for the wards of defence personnel, subject to fulfilment minimum of eligibility conditions.

2.1.6. Number of students admitted in University departments in the last four academic years:

Central University of Rajasthan has experienced constant growth with respect to number of students admitted to various programs of the University. A consolidated list of the students admitted to University Departments during last four academic year is as follows:

Categories	Year 1 2009-'10		Year 2 2010-'11		Year 3 2011-'12		Year 4 2012-'13		Year 5 2013-'14	
	M	F	M	F	M	F	M	F	M	F
SC	5	0	16	3	23	5	36	18	59	25
ST	0	0	5	0	11	1	21	9	20	11
OBC	4	4	42	16	70	31	103	57	138	102
General	10	13	39	28	60	55	80	86	163	166
Others (PWD)	0	0	1	0	1	0	1	0	0	1

2.1.7. Has the University conducted any analysis of demand ratio for the various programmes of the University departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

The University conducts analysis of admission every year and the performance of various departments. This helps in evolving strategies to increase enrolment, to improve infrastructure needed for certain programmes and to assess the current trend in students' preferences. The number of students' admitted to various departments since the establishment of the University has kept on increasing in proportion with the increase in the number of programmes. The number of students' admitted to various departments since the establishment of the University is as follows: -

Department	Programmes	Students' Admitted				
		Year 1	Year 2	Year 3	Year 4	Year 5
		2009-10	2010-11	2011-12	2012-13	2013-14
Architecture	Ph. D.	-	-	-	-	-
	M. Arch.	-	-	09	06	05
Biochemistry	Ph. D.	-	-	-	02	01
	M. Sc.	-	-	-	19	23
	Int. M.Sc.	-	-	-	-	23
Biotechnology	Ph. D.	-	-	-	01	06
	M. Sc.	-	-	18	19	24
	Int. M.Sc.	-	-	-	-	23
Chemistry	Ph. D.	-	-	-	03	08
	M. Sc.	-	19	18	22	21
	Int. M.Sc.	-	-	-	-	24
Commerce	Ph. D.	-	-	-	-	01
	M. Com	-	-	-	18	22
Computer Science	Ph. D.	-	-	-	01	03
	M. Sc.	-	17	19	20	18

Department	Programmes	Students' Admitted				
		Year 1	Year 2	Year 3	Year 4	Year 5
		2009-10	2010-11	2011-12	2012-13	2013-14
	Int. M.Sc.	-	-	-	-	25
Computer Science & Engineering	Ph. D.	-	-	-	-	01
	M. Sc.	-	23	24	18	17
Culture & Media Studies	Ph. D.	-	-	-	01	02
	M. A.	-	-	16	18	11
Economics	Ph. D.	-	-	-	02	01
	M. A.	-	11	21	18	22
	Int. M.Sc.	-	-	-	-	21
English	Ph. D.	-	-	-	03	02
	M. A.	-	20	19	24	19
Environmental Science	Ph. D.	-	-	-	03	05
	M. Sc.	-	-	15	21	21
	Int. M.Sc.	-	-	-	-	26
Hindi	Ph. D.	-	-	-	02	07
	M. A.	-	-	17	19	20
Management	Ph. D.	-	-	-	06	05
	M.B.A.	-	30	29	36	35
Mathematics	Ph. D.	-	-	-	03	05
	M. Sc.	18	19	17	18	18
	Int. M.Sc.	-	-	-	-	25
Microbiology	Ph. D.	-	-	-	02	00
	M. Sc.	-	-	-	19	24
	Int. M.Sc.	-	-	-	-	25
Pharmacy	Ph. D.	-	-	-	01	01
	M. Pharm.	-	-	-	13	17
Physics	Ph. D.	-	-	-	-	00
	M. Sc.	-	-	19	22	23
	Int. M.Sc.	-	-	-	-	25
Public Policy, Law & Governance	Ph. D.	-	-	-	01	01
	M. A.	-	-	-	17	17
Social Work	Ph. D.	-	-	-	-	03
	M. A.	-	-	-	20	17
Statistics	Ph. D.	-	-	-	01	02
	M. Sc./M.A.	18	15	18	19	22
	Int. M.Sc.	-	-	-	-	25
Total Admitted Students'		36	154	259	418	667

The Central University of Rajasthan is situated at a remote location at the Bandarsindri village on Jaipur-Ajmer Road (NH-8) which is 20 kms from Kishangarh, 46 kms from Ajmer and 76 kms from Jaipur. In order to cater to the educational needs of the area, the University is responsive to the changing global trends, providing unparalleled educational opportunities for the learner community especially for those coming from the lower socio-economic strata of society seeking quality education. It is offering innovative integrated, post-graduate and research academic programmes as well as continuing personal and professional enrichment in selected areas that leads

to the formation of a scholarly community by advancing, sharing and applying knowledge and by facilitating the development of thoughtful, creative, sensitive and responsible citizens. The Central University of Rajasthan is contributing to and work with a sense of Commitment towards the educational, cultural, economic, environmental, health and social advancement of the region and the nation at large by providing excellent undergraduate liberal education and quality programs leading to bachelors, masters, professional and doctorate degrees. This has resulted in continuous increase in the number of students applying and getting admitted to the various programmes of the University.

2.1.8. Were any programmes discontinued/ staggered by the University in the last four years? If yes, please specify the reasons. None

2.2. Catering to Student Diversity

2.2.1 Does the University organize orientation / induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

The University organises Induction Programme for all freshers at the start of the academic session every year. During the induction programme, the students are told about the University, in general. They are also apprised about the various facilities available in the University. On the day of the induction programme, an external expert is also invited to the University to address the students and enlighten them. All the departments provide a copy of the Induction Booklet to the students of their respective departments for informing them about the programme structure, credits, syllabus, pattern of examinations, etc.

2.2.2 Does the University have a mechanism through which the “differential requirements of the student population” are analysed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Heterogeneity of students is a matter of concern for undergraduate programmes. Central University of Rajasthan has been following several mechanisms to address the differential requirement of student population. These mechanisms are implemented via different Departments of the University. Students are classified student on the basis of state and gender as well as their socioeconomically status. Department has developed orientation program and bridge course for the new students in the beginning of the session which overcome the basic knowledge of all the students to bring them in the mainstream. After 1st internal examination, we are classifying student on the basis of slow and fast learner. The special attention is given to slow learner. This mechanism has been useful in identifying the requirement of students having different backgrounds with regards to their graduation course. Students having poor to moderate understanding of the fundamentals of the modern biology are given additional/ bridge classes.

2.2.3 Does the University offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

Central University of Rajasthan offers bridge/ remedial and add- on courses. These courses are offered via different Departments of the University. Remedial course in computer skills is offered to the students on weekends. Every Saturday classes are scheduled from 10.30 to 1.30 PM in the department. Bridge classes are conducted right at the outset of the Semesters. The individual faculty members take care of adjusting these extra bridge classes without disturbing the main time-table and at the same time ensuring that the bridge classes are completed well in time before more advanced topics of the course are taken up. Other departments organize the Bridge Course for the students who are weak in particular subject. The faculty of the assigned course design their own course curriculum for the basic requirement of the students to bridge the gap between weaker and stronger students.

2.2.4. Has the University conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

The main obstruction to academic growth of the students especially from the disadvantaged sections of society and economically disadvantaged sections of the society relate to lack of proficiency in oral communication and writing skills and lack of aptitude and attitude to learning. This is due to the fact that the medium of instruction in the University is English and such students have a background of Hindi medium of instruction. However, the University continues to support them with a host of relief measures that include offering bridge courses to the students (in order to cope up with the deficiency in knowledge levels), providing counselling from trained Counsellors to slow learners to improve their aptitude and attitude towards learning, conduct of remedial coaching classes, granting as well as helping in applying for scholarships, etc. The differently-able students are provided adequate infrastructure facilities in the form of ramps besides the use of a scribe in examinations.

2.2.5 How does the University identify and respond to the learning needs of advanced learners?

Advanced students who maintain higher CGPA or more are encouraged to take seminars, to do projects, presentations, etc., and to participate in competitions conducted by other Universities. Add-on courses are conducted to enable them to earn more certificates. Provisions are made for them to receive coaching classes for NET, GATE & other competitive exams. Research based projects are given to advanced learners. The University has signed MoUs with Universities of high reputation like Gorno Altaisk State University, Russian Federation, California State University, San Bernardino, Monash University, Melbourne, Australia and CQ University, ockhampton, Australia and so on. Students are permitted to do final semester projects in such universities. Students of our Mathematics department went to Russia for a semester to work on a project. We are also working on the concept of Meta University and propose to initiate steps in this direction in near future. Institution has modern strategies for imparting knowledge like audio-visual aids, OHP, LCD-Projectors, CD, Internet and Computers, Laptop, E- learning

materials from IITs, Intranet and open courseware such as MITs. The classrooms are equipped with green/black boards, working models, diagrams, charts, etc.

2.3 Teaching-Learning Process

2.3.1. How does the University plan and organise the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

The Dean (Academics) is entrusted with the job of preparing the Academic Calendar for the respective academic year to accommodate the process of teaching-learning of theory, practical and field classes as per the guidelines of the UGC. The calendar is then placed before the Academic Council of the University for consideration. The Academic Calendar also caters to the summer internship / training, field visits, educational tours, sports and co-curricular activities. However the reopening and closing dates and duration of vacation and intermittent spell of holidays are finalized in consonance with the University authorities. Additional working days or amendments in the academic calendar are also informed well in advance to students through circulars.

All the departments prepare their respective teaching plans and time table at the start of the semester. The faculty members of the department prepare weekly lesson plans and maintain a record of the weekly schedules to ensure a smooth coverage of the syllabi. The course plan in practical courses is more flexible to suit changing needs. Manuals available in each laboratory serve to expose the facilities and capabilities of each instrument/equipment.

For passing a semester, the assessment of a student is based on: -

- (i) Continuous Internal Evaluation (shortly called 'CIE') of 50% marks in each course; and
- (ii) End of Semester Examination ('EoSE') of 50% marks in each paper.

For a course, the CIE have three components, viz. Components 1, 2 and 3.

- i) There are three Internal Assessment (IA) tests in each course in a semester with at least two of these in the form of formal tests, the third one can be a formal test, a seminar, a viva-voce examination or an equivalent procedure ensuring that the level of difficulty and the standard of evaluation are commensurate with the student's performance in tests.
- ii) The two best scores out of the three IA tests are taken in arriving at the final grade in the course. This provides relief for contingencies arising out of illness or other extra-ordinary circumstances and it avoids the need for special tests for the absentees.
- iii) The relative weightage of the components of assessment are as given in the following table:

Component	Description of the Component	Relative Weightage (Out of 100)
Component 1	The highest of IA Tests 1,2 and 3.	20
Component 2	The second highest of IA Tests 1,2 and 3	20
Component 3	Attendance and class room participation, Viva-Voce / Group Discussions / Tutorials / Case Studies etc.	10
EoSE	Performance at the EoSE	50
Total		100

2.3.2. Does the University provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes, Central University of Rajasthan takes sincere efforts towards providing the course outline and schedule to students prior to the commencement of the academic session. Students are made aware of the syllabus prior to commencement of classes/academics session through respective Departments. It is ensured that the total syllabus of a semester is finished by the date prescribed in the academics calendar. The University, through its various departments provides a comprehensive Induction Booklet to all the newly enrolled students right at the outset of the program. The booklet includes the complete course structure and comprises various aspects of the all the courses such as course structure, course syllabi, etc. The examination and continuous evaluation system are also given in detail in the booklet. Apart from these details, the booklet also gives useful information & guidelines about life in the University campus. The faculty of the Department also ensure that the students are oriented properly by holding a special induction program and by holding some orientation sessions, including the all-important lab safety orientation. All these methods adopted have been quite effective in providing reassurance to the newly enrolled candidates regarding the overall course and programmes.

2.3.3 Does the University face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

No, none of the Departments of Central University of Rajasthan has faced any challenges so far in completing the curriculum within the stipulated time frame of the academic calendar.

2.3.4. How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

At Central University of Rajasthan, constant efforts are made to offer student centric learning. The responsibilities in this regard are jointly shared by

University Departments. Each department follows different approaches for making their teaching learning process student centric. The teaching-learning process is highly student centric. Special emphasis is given on 'team working' through substantive group work. Special workshops and activities that contribute to holistic development of students are integral part of the teaching learning process. Departmental faculty members prefer "Two way learning process" where there is direct interaction between faculty and student in the class. Teachers conduct their class teaching by using "Chalk and Talk method" and Power point based method. Faculties always interact with students during teaching period and they encourage students to ask the questions. During the 3rd and 4th semester of the M.Sc. course, each student is required to deliver seminar presentation as part of the course structure.

2.3.5 What is the University's policy on inviting experts / people of eminence to deliver lectures and/or organize seminars for students?

Central University of Rajasthan has encouraged the policy of inviting experts/people of eminence from India and abroad to deliver lectures/ and organize seminars for students. The expert lectures are organized at the Departmental, School, as well as University level. To organize any lecture the concern faculty supposed to get the official permission from the Head of Department/ Dean of respective School / the Vice chancellor (which is applicable). The financial commitment in event is managed from the University fund. The expert from outside are provided transportation from and other hospitality measures. These activities are decentralized and are coordinated at School and/ or Departmental levels. During last 5 academic sessions, a number of experts have visited Central University of Rajasthan for this purpose.

2.3.6 Does the University formally encourage blended learning by using e-learning resources?

Yes, Central University of Rajasthan has Remote Centre of IIT- Bombay, Mumbai to encourage blended learning. It is also worth-mentioning that major part of our curricula are mapped with NPTEL (National Programme of Technology Enabled Learning) courses. As a result, the students can also refer to NPTEL lectures which are mostly delivered by IIT faculty. Of late, the University has also joined QEEE (Quality Enhancement in Engineering Education) programme initiated by MHRD. Expert lectures for some courses are being delivered on-line through this initiative. In addition, faculty members supplement their class-room teaching and lab courses through video films, animations and simulations downloaded from internet.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

Central University of Rajasthan in a newly constituted young and dynamic University; At Central University of Rajasthan, the teaching- learning process makes maximum use of the technologies and facilities e.g. Virtual Laboratories, e- learning, open educational resources and mobile education for the best benefit of the students. The University has established modern class rooms which are equipped with WiFi- Internet, smart boards and LCD

projector for delivering power point based teaching. Faculty often use open source video films and webinars to support the courses. Faculty members make best use of these facility as well as Open information sources e.g., NCBI, JCM, Swiss-Prot and various journal resources, to make the teaching-learning process effective. Department also encourages faculty, research scholars and students to make best use of electronic learning resources e.g. electronic journals made available via subscription of various publishing houses viz., ScienceDirect, Elsevier, American Chemical Society, John Wiley, Blackwell Publishing etc. Students are also taught to use the best scientific software and databases such as ChemDraw, Sci-Finder, Origin, etc., all of which are essential and very useful for carrying out research.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the University's educational processes?

There is no designated group of faculty and/ or student to monitor and integrate the trends and issues regarding developments of Open Source Community. However, such activity is taken up by Department individually. Faculty members of each department and Library staff provide regular update and communication regarding promotion of Open Access Resources (including journal, databases etc.) for the benefit of the students.

2.3.9 What steps has the University taken to orient traditional classrooms into 24x7 learning places?

At Central University of Rajasthan, there is constant and uninterrupted availability of Wi- Fi as well as LAN wire based internet connectivity. This facility renders the traditional class- rooms with the capability of being 24 x 7 learning places. Further, students are allowed to access Open and Subscribed e- learning resources at any time of the day. Central University of Rajasthan also provides congenial environment for students to interact with faculty and discuss their learning and future academic plans. The 24 x 7 learning is also made possible through curriculum components such as field-work, dissertation, project work and presentations etc. that keep them constantly involved and engaged in the learning process.

2.3.10 Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

Central University of Rajasthan has been following the method of student mentor/ advisor at PG and Ph.D. levels wherein each student is assigned a mentor of his/ her choice who helps the student with the dissertation project component of respective curriculum. Apart from guiding students for their dissertation, the mentors also provide guidance for academic and personal guidance. The process has benefitted all students that have passed various courses from Central University of Rajasthan.

Additionally, counseling facility is offered by faculty to the students during different stages of the course to enlighten the students about possible future course of their progression and placements.

Central University of Rajasthan has also established University Placement Cell, which coordinates various activities related to job/ future placements of the students. During 5 years of its existence, University has organized 2 Job Fairs, wherein several corporate houses recruited students passing out from the University.

2.3.11 Were any innovative teaching approaches/methods/practices adopted/ put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

At Central University of Rajasthan, the teaching- learning process is being made innovative through several practices. For faculty had used innovative teaching approaches or practices to improve teaching in CURAJ. Besides the chalk and talk method of lecture, the faculty uses the following methods

- (a) **Interactive method:** case study, brainstorming, communication games and activities, focused group discussions, panel discussions, role play and debate.
- (b) **Project based learning:** The project work under the faculty helps the student to review the outcome and impact of research. It also helps the students to pool the findings and arrive at solutions. Students were exposed to hands on experiences at outside laboratories and or field environment visits for virtual learning.
- (c) **Experimental learning:** The field visits, on-site learning and internships were arranged for the students. Every department organizes an industrial visit for their students and the faculty involved in the clubs used to arrange field visits to encourage experimental learning and to understand the problems associated with the society and to find solutions.
- (d) **Computer assisted learning:** Each department is well equipped with state-of- art modern electronic podiums. Most classrooms are fitted with LCD projectors and used for interactive sessions and power point presentations (smart class rooms) by the faculty members. Broad band internet facility is available through Wi-Fi across the campus encourages the faculty to fit with computer assisted learning. The faculty members have well developed collection of e-content for most of the courses in order to facilitate knowledge flow to the learners. Computer aided design and computer based training are regularly used by the faculty members. In the communication labs, the faculty use role plays and group discussions as techniques to enhance communication skills of students. The faculty uses the central library which is well equipped with modern facilities and resources in the form of CD-ROM, e-journals and audio video cassettes to supplement classroom teaching.

Improvement in learning: The practices mentioned above enable the students to develop keen interests in subjects and perform well in doing assignments, presenting papers in seminars and working for projects. The

results of examinations show the improvement in learning. Student centric teaching along with computer assisted teaching makes learning the subject enjoyable and easy for the students from all backgrounds. The teaching practices mentioned above had given opportunities for students to develop their personal presentation skills, analytical skills, decision making and interpersonal skills using internet and latest software programs. A number of students have got admission into higher studies abroad.

The methods used to evaluate the impact of such practices: The performance of the students in the departmental student-seminars, group discussions, project works, is considered as an yardstick to evaluate the impact of the above mentioned methods. Marks were given for their performance in continuous evaluation. The feed-back on the impact of the teaching approaches mentioned above is assessed through the experience shared by the students, marks scored by them in internal assessments and in end semester exams.

The faculty members are encouraged for innovation based research and teaching activities. The faculty and students are felicitated for publishing their research work in the journals of international repute, attracting the financial assistance from various funding agencies. Such practices motivate the faculty members to create an innovative platform for the student and society at large.

2.3.12 Does the University consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

- **Number of projects executed within the University**
- **Names of external institutions associated with the University for student project work**
- **Role of faculty in facilitating such projects**

At present the University has attracted approximately Rs. 5.3 Crore as extramural research funding and many research proposals are submitted for financial approval. All the projects are running in house and many of them are being operated in collaboration with other Institution in India and abroad. To a large extent, dissertation project and doctoral studies project constitute the most important component and they are conducted in house. Students are also encouraged to take up challenging dissertation projects at other Universities, Research Institutions and Industries. A complete stage wise plan is given to the student in the starting of the session. So that submission is time bound and clarity of deliverables is there. Students are regularly evaluated by internal faculty at each stage and external faculty at important stages of the dissertation and thesis. External evaluation is not only educational but through professional practitioners Student gets varied opinion on their respective topics. Department facilitates student learning programme by keeping student projects mandatory in their course structure/ curriculum especially for 3rd and 4th semester students of M.Sc. University had made their curriculum in such way that students should develop some preliminary idea about their research projects in 3rd semester by keeping journal club/project work mandatory in their class schedule. In 4th semester, it is mandatory in their curriculum that each student should do their research

based master project in the University. To improve research quality, University provides especial funding support to Department so that concerned faculty can help to run student project smoothly. Each student performs their individual research project under the guidance of the departmental faculty. The concerned faculty guides and helps students to design, perform and analyse their research work.

2.3.13 Does the University have a well-qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Central University of Rajasthan has recruited highly qualified faculty members having extensive experience in the field of academic teaching, academic/institutional and industrial research. Majority of the faculty members appointed on regular basis possess doctoral degree from prestigious Universities and/ or Institutions of country e.g. Jawaharlal Nehru University (JNU), New Delhi, Delhi University (DU), New Delhi, Banaras Hindu University (BHU), Varanasi, University of Hyderabad (UH), Hyderabad, Indian Institute of Technology (Delhi, Kharagpur, Kanpur, Roorkee), CSIR- Institutes etc. Some of the faculty members have studied in foreign Universities for their Doctoral degrees in different countries including United States of America, Germany, Sweden, etc. A large majority of faculty members recruited at Central University of Rajasthan also possess post-doctoral research (PDF) experience from very prestigious University and Institutes of countries including United States, Germany, France, Italy, Singapore, Australia, etc. These faculty members bring in diverse expertise and collectively fulfil the need of meeting all the requirements of curriculum.

To supplement the expertise of faculty members appointed on regular basis, University has also appointed a large pool of faculty members on temporary basis (against sanctioned positions). Additionally, University encourages different Departments to invite experts from academia and industry as visiting faculty to supplement any requirement of the curriculum.

For maintaining a close vigil on quality of curriculum offered, Central University of Rajasthan has adapted the system of "School Board", which discusses the curriculum structure, content in light of the updates in the field of study once every year through circulation and/ or School Board Meeting. The School Board consists of internal members as well as external experts.

2.3.14 How are the faculty enabled to prepare computer-aided teaching/ learning materials? What are the facilities available in the University for such efforts?

Central University of Rajasthan has provided individual Laptops/ Desktops to all the faculty members with objective of helping them to prepare teaching and learning materials. For further enabling them to prepare best for their classes, Central University of Rajasthan has 24x7 internet connectivity through LAN and WI- Fi both. Further, Aakash tablets have been issued to every department.

2.3.15 Does University have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

Central University of Rajasthan has been following mechanism of 'Student Feedback' for evaluation of teachers by student. This mechanism allows students to evaluate their class teacher on various aspects of teaching including (**understanding of the subject, ability to deliver the content, ability to cover the prescribed curriculum in defined time line, presentation and communication skills** etc.). The feedback is collected from students intermittently and periodically. Subsequently, the representative feedbacks are shared with concerned faculty to make them improve on quality of their teaching methods.

2.4 Teacher Quality:

2.4.1 How does the University plan and manage its human resources to meet the changing requirements of the curriculum?

Central University of Rajasthan has previously recruited and further plans to recruit highly qualified faculty with the objective of offering best education possible to its students. For facilitating its human resource to be prepared for meeting the challenging requirements of changing curriculum, Central University of Rajasthan has made several attempts in past. A brief list of some of such activities is as follows:

- Central University of Rajasthan organized an in house Faculty Orientation Programmes in collaboration with Academic Staff College – Jai Narayan Vyas University (JNV) Jodhpur. Many of the newly recruited Assistant Professors attended this program. This orientation program was designed with an innovative approach wherein lectures were delivered by external experts as well as senior Central University of Rajasthan faculty members of topics relevant to University teaching e.g. Time Management for Class Teaching, Innovative Practices for Class Teaching, Ideal Practices for Evaluation and Assessment, Intellectual Property Rights and Patent Issues, Laboratory Safety in Academic Set- ups etc. apart from the regular orientation lectures.

Young faculty members are encouraged to participate in National/ International conferences, seminar, symposia, summer/ winter school/ training programs, workshop etc. in their respective specialization and field of interest.

2.4.2 Furnish details of the faculty:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./ D. Litt.	-	-	-	-	-	-	-
Ph.D.	6	1	14	2	35	19	77
M.Phil.	-	-	-	-	-	-	-
PG	1	-	-	1	12	1	15
Temporary Teacher							
Ph.D.	2	-	-	-	17	3	22
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	19	4	23

Highest Qualification	Professor	Associate Professor	Assistant Professor	Total
Part- time Teacher				
Ph.D.	-	-	-	-
M.Phil.	-	-	-	-
PG	-	-	-	-

2.4.3 Does the University encourage diversity in its faculty recruitment? Provide the following details (Department / School-wise).

Central University of Rajasthan encourages diversity in the faculty recruitment. The same is reflected in the following table.

Department/School	% of faculty from the same University	% of faculty from other Universities within the State	% of faculty from Universities outside of the State	% of faculty from other countries
Architecture	0	40	60	0
Biochemistry	0	0	50	50
Biotechnology	0	0	85	15
Chemistry	0	16	16	68
Culture and Media Studies	0	0	100	0
Computer Science	0	40	60	0
Computer Science & Engineering	0	66.7	33.3	0
Commerce	0	0	100	0
Hindi	0	0	100	0
English	0	62.5	37.5	0
Environmental Science	0	50	50	0
Economics	0			
Mathematics	0	33.3	33.3	33.3
Microbiology	0	17	33	50
Management	0	25	75	0
Pharmacy	0	0	80	20
PPLG	0	0	100	0
Social Works	0	0	100	0
Statistics	0	0	100	0
Physics	0	20	60	20

* The data is as per the University/ Institution of last employment of the faculty members.

2.4.4 How does the University ensure that qualified faculty are appointed for new programmes / emerging areas of study (Biotechnology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

The faculty members with extensive experience in emerging areas/fields with excellent research background (having Ph.D. degrees and post-doctoral experience) have been employed to teach these new programmes/emerging

areas of study. In order to ensure this, the following points are kept in mind while selecting the faculty members:

- a) Interests of the designed course curriculum and the research undergoing/ to be undertaken in the department.
- b) The teaching topics that the prospective faculty members are comfortable with.

Sl. No.	Name of the Collaboration	National/ International	Major funding agency	Type of support from CURaj
Department of Biotechnology				
1	SOL Genome Initiative – Phase II	National	Department of Biotechnology, Govt. of India	Basic Infrastructure
Department of Chemistry				
1	Prof. R. T. Pardasani Scientific collaboration with Prof. Tushi Mukherjee, BARC (2009-13)	National	BRNS	Major Research Collaboration
2	Scientific collaboration with Prof. Keith Smith, Cardiff University, UK	International	Under Processing	Departmental Collaboration
3	Scientific Collaboration with Prof. Kent R. Mann, University of Minnesota, Minneapolis, Minnesota (Dr. Raghu Chitta)	International	Central University of University	Basic Infrastructure
4	DST-RFBR (Dr. Easwar Srinivasan)	International	DST	Basic Infrastructure
5	Dr. Srinivas Yaragola -with Dr Tarun, Biotech, CURAJ	National	BRNS	
Department of Environmental Sciences				
1	C V Raman Post Doctoral Fellowship	International	UGC	Study leave
2	UGC start up grant	National	UGC	Infrastructure
3	Conferences / Workshops/ Trainings	National	University	Duty Leave and fund
4	Conferences	International	UGC	Duty Leave and fund
5	Orientation Programme	National	University	One month Duty leave and fund
6	Organizing Workshops	National	University and MHRD	Infrastructure and fund
Department of Environmental Sciences				
1	National Physical Laboratory, New Delhi.	National	Collaborative Study	Instruments Provided for Sampling
2	National Institute of oceanography, Goa.	National	Collaborative Study	Instruments Provided for Sampling
3	National Atmospheric Research Laboratory, Tirupati.	National	Collaborative Study	Installation of GPS unit at CURaj

Sl. No.	Name of the Collaboration	National/ International	Major funding agency	Type of support from CURaj
4	Swedish Meteorology and Hydrology Institute, Sweden	International	Collaborative Study	Infrastructure
5	Asian Institute of Technology, Thailand	International	Collaborative Study	Infrastructure
6	IGES, Japan	International	Collaborative Study	Infrastructure
7	Thuyloi University, Vietnam	International	Collaborative Study	Infrastructure
Department of Microbiology				
1	Dr. Pawan Dadhech	International	Leibniz-Institute of fresh water ecology and inland fisheries, Germany	Collaborative Research
2	Dr. Pradeep Verma	National	GGU, Bilashpur and Central University of Assam	Project Collaboration
3	Dr. Akhil Agrawal	National	Cairn India Pvt Ltd.	Basic infrastructure required for research
4	Dr. Nidhi Pareek	International	Umea University, Swededen	Collaboraive Research Study
5	Dr. Chandra Sekhar Gahan	International	KIGAM, South Korea and SDU, Turkey	Collaborative Research study
Department of Management				
1	MOU of Department of Management, CURAJ with Institute of Public Enterprise, Hyderabad	National	-	-
2	MOU of Department of Management, CURAJ with GENPACT	International	-	-
Department of Mathematics				
1	H. M. Srivastava, Univ. of Victoria, Canada	International	-	Nil
2	J. Sokol, Rzeszow University of Technology, Poland	International	-	Nil
3	M.K. Aouf, Mansoura University, Egypt	International	-	Nil
4	Georgia Irina Oros, University of Oradea, Romania	International	-	Nil
5	Roxana Sendrutiu, University of Oradea, Romania	International	-	Nil
6	T. Bulboaca, Babes-Bolyai University, Romania	International	-	Nil
7	S. Ponnusamy, Indian Statistical Institute (Chennai Centre), Chennai	National	-	Nil

Sl. No.	Name of the Collaboration	National/ International	Major funding agency	Type of support from CURaj
8	R. K. Raina, M.P. University of Agriculture and Technology, Udaipur	National	-	Nil
9	Ritu Agarwal, Dept. of Mathematics, MNIT, Jaipur	National	-	Nil
10	Shashi Kant, Government Dungar College, Bikaner	National	-	Nil
11	Deepak Bansal, College of Engg. and Technology, Bikaner	National	-	Nil
12	Amit Soni, Government Engineering College, Bikaner	National	-	Nil
13	Ambuj K. Mishra, GLA University, Utter Pradesh,	National	-	Nil
14	Bai-Lian Li, University of California, Riverside, USA	International	-	Nil
Department of Physics				
1	IIT Jodhpur	National	MHRD	Infrastructure
2	CEERI Pliani	National	MHRD	Infrastructure
3	IFW Dresden, Germany	International		Infrastructure
4	NIIST Thiruvananthapuram	National		Infrastructure
5	CU Pondicheery	National		Infrastructure
6	IIT Mandi	National		Infrastructure
7	IIT Bhubaneswar	National		Infrastructure
8	University of Rajasthan	National		Infrastructure
Department of Statistics				
1	University of Sheffield, UK	International	Collaborative Study	Basic Facilities
2	Department of Quantitative Methods and TiDES Institute. University of Las Palmas de Gran Canaria. Spain	International	Collaborative Study	Basic Facilities
3	IRDA, Hyderabad	National	Collaborative Study	Basic Facilities

- c) The subject experts of the selection committee are scientists of high repute in their fields and it is ensured to select the best available candidates.

2.4.5 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the University?

Emeritus Professor: One (At Department of Public Policy, Law and Governance)

Adjunct Professor: None

Visiting Professor: None

2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to National/International conferences/ seminars, in-service training, organizing National/International conferences etc.)?

Central University of Rajasthan encourages all its faculty members to actively participate in academic and research extension activities including participation in National/ International Seminars, Symposia,

Conferences, Summer/ Winter Schools, Workshops etc. Additionally Central University of Rajasthan also encourages its faculty to:

- a) Write and submit proposals pertaining to their research interests and start-up grants, regular extra- mural grants etc.
- b) Newly recruited Assistant Professors are provided Minor Research Projects to initiate the research in their areas.
- c) The University also encourages its faculty members to apply for academic training programmes and fellowships including Postdoctoral Research Training Fellowships offered by National/ International Agencies.
- d) The University also encourages its faculty members to organize different academic extension activities including faculty orientation programmes, faculty refresher programs, National and International Conferences, Seminar etc. Nearly all the Departments have organized such activities within short span of 2-5 years of their existence. A detail list of such activities is enclosed in the later section.
- e) The University encourages the faculty members to initiate national/international collaborations with academic and industrial sectors and extends full support in providing research and teaching infrastructure such as laboratories, financial support etc. Information pertaining to few initiations made by the University is provided below.
 - (a) The University encourages the faculty to write research proposals to various funding agencies and extends full support in providing the necessary infrastructure needed.
 - (b) University provides a study leave of 2 years to the young and enthusiastic faculty members to pursue doctoral studies as per UGC norms:

The University has adapted the policy of providing study leave of 2 years to young and enthusiastic faculty members to pursue doctoral studies as per the UGC norms. However, so far none of the University Faculty has availed this facility.

- (c) University encourages the faculty members to attend National/international conference in India and abroad and provides a financial assistance of Rs. 10,000/- to attend a national conference (every year) and 50% of the budgetary costs for attending international conference (once in three years).

Ever since its inception, Central University of Rajasthan has encouraged faculty members to attend National/ International Conferences both in India and Abroad. For the purpose, University has provided financial assistant as per the regulations and guidelines finalized by competent authorities:

- (d) In order to promote research in the department, bring the eminent scientists in India/abroad to a platform and deliberate on the current issues, University encourages every department and school to organize a national seminar/conference every year and an international conference once in three years. For this purpose,

University provides Rs. 1,00,000/- for organizing a national conference and Rs. 3,00,000/- for an international conference.

2.4.7 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

Central University of Rajasthan is a newly established University and many of its Departments are only 2-3 year in existence. Also, in many of the Departments, the regular faculty were recruited during session 2012- 13 and/ or 2013- 14. Therefore, although, none of the University faculty has received awards/ recognition for excellence in teaching at different levels during last four years, yet during this short period of its existence, a number of University faculties have received awards/ recognition for excelling in research at State, National and International Levels.

2.4.8. How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

Central University of Rajasthan encourages its faculty members to take up “staff development” programmes including ‘faculty orientation’ and ‘faculty recharge’ programmes. All the newly recruited Assistant Professors of the University have undergone such training at some point of time during last four years. A comprehensive list of faculty- wise training is as follows:

Academic Staff Development Programmes	Name of the Faculty	Department/ School	Event with date
Refresher Courses			
1	Dr. Neeraj Panwar	Physics	63 rd Refresher course in Experimental Physics at IISER Mohali
2	Dr. Rajneesh Kumar Verma	Physics	62 nd Refresher course in Experimental Physics at University of Kota
3	Dr. Raghu Chitta	Chemistry	Science Academies Refresher Course, Central University of Rajasthan, 12-25 January, 2015
4	Dr. Easwar Srinivasan	Chemistry	Science Academies Refresher Course, Central University of Rajasthan, 12-25 January, 2015
5	Dr. Anuj Sharma	Chemistry	Science Academies Refresher Course, Central University of Rajasthan, 12-25 January, 2015
6	Dr. Chandra Sekhar Gahan	Microbiology	Science Academies Refresher Course, Central University of Rajasthan, 12-25 January, 2015
HRD Programmes			
1	Dr. Sanjay Garg	Management	Three days FDP on ‘Financial

Academic Staff Development Programmes	Name of the Faculty	Department/ School	Event with date
			Econometrics', at Bharti Vidyapeeth University Institute of Management & research (BVIMR), New Delhi, on February 14-16, 2014
2	Prof. R C Sharma, Dr. MRP singh, Dr. Sanjay Garg, Ms. Preeti Saluja and DR. Neha Verma	Management	FDP on Simultaneous Equation System in Management by Prof. Narain Sinha, University of Botswana, March 14, 2014, in Department of Management, CURAJ.
3	Dr. Neha Verma and Ms. Preeti Saluja	Management	3 days Faculty Development Program on Multivariate Analysis using SPSS and Structural Equation Modeling – Amos, BVIMR Campus at New Delhi, on August 16-18, 2014.
Orientation Programmes			
1	Ar. Vivekanand Tiwari	Architecture	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
2	Ar. Sunil Sharma	Architecture	--do--
3	Ar. Abhijit Rastog	Architecture	--do--
4	Dr. Vishvanath Tiwari	Biochemistry	--do--
5	Dr. Chandi C Mandal	Biochemistry	--do--
6	Dr. Vijay Kumar	Biochemistry	--do--
7	Mr. Ravi Saharan	Computer Science & Engineering	--do--
8	Mr. Gourav Somani	Computer Science & Engineering	--do--
9	Dr. Ranjan Aneja	Economics	University of Hisar, May 2013
10	Dr. Hemlata Manglani	Economics	University of Rajasthan, November 2013
11	Dr. Devesh Sharma	Environmental Science	UGC-ASC, University of Rajasthan , 16 th May – 14 th June, 2014
12	Dr. Ritu Singh	Environmental Science	UGC-ASC, University of Lucknow , 02 nd July – 31 st July, 2014
13	Dr. Bhumika Sharma	English	Rajasthan University (September 2013)

Academic Staff Development Programmes	Name of the Faculty	Department/ School	Event with date
14	Dr. Neha Arora	English	Central University of Rajasthan (December 2013)
15	Dr. Jitendra Kumar Singh	Hindi	Organized by CURAJ Kishangarh, Collaboration with JNV Jodhpur during 16/12/2013 to 11/01/2014
16	Dr. Mamata Khandal	Hindi	UGC ASC Jain Narayan Vyas University, Jodhpur during 16/12/2013 to 15/12/2012
17	Dr. Sandeep Ranbhirker	Hindi	UGC ASC University of Rajasthan, Jaipur during 14/02/2011 a to 12/03/2011
18	Dr. Chandra Sekhar Gahan	Microbiology	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
19	Dr. Avantika Singh	Management	86 th Orientation Programme, at UGC-Academic Staff College, University of Rajasthan, Jaipur, December 31, 2012 to January 26, 2013
20	Dr. Amit Chakraborty	Mathematics	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
21	Dr. Anand Kumar	Mathematics	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
22	Dr. Vidyatoma Jain	Mathematics	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
23	Dr. Ruchi Malik	Pharmacy	Attended UGC-Sponsored orientation programme organized by UGC-Academic staff college, Jai Narain Vyas University, Jodhpur held between 16 th Dec'13 to 10 th Jan'14
24	Dr. Ruchi Malik	Pharmacy	Attended One Day Orientation Workshop on Best Teaching

Academic Staff Development Programmes	Name of the Faculty	Department/ School	Event with date
			Practices Organized by Central University of Rajasthan
25	Dr. Ajit Kumar Patra	Physics	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
26	Dr. Shaizy Ahmed	Social Work	UGC Academic Staff College, Aligarh Muslim University. 3 rd December to 26 th December 2013.
27	Dr. Suman Tapryal	Biotechnology	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
28	Dr. Tarun K. Bhatt	Biotechnology	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
29	Dr. Janmejy Pandey	Biotechnology	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
30	Dr. Jaykant Yadav	Biotechnology	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
31	Dr. Surendra Nimesh	Biotechnology	Faculty Orientation Programme (OP-86) conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
32	Dr. Raghu Chitta	Chemistry	85 th Orientation Programme at UGC-Academic College, University of Hyderabad, Hyderabad, during 09 Jan- 05 Feb., 2014
33	Dr. Easwar Srinivasan	Chemistry	Faculty Orientation Programme (OP-86)

Academic Staff Development Programmes	Name of the Faculty	Department/ School	Event with date
			conducted by Jai Narayan Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
34	Dr. Srinivasarao Yaragorla	Chemistry	September, 2013
35	Mr. Deepesh Bhati	Statistics	Faculty Orientation Programme (OP-86) conducted by Jai Narain Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
36	Dr. Sanjay Kumar	Statistics	Faculty Orientation Programme (OP-86) conducted by Jai Narain Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
37	Dr. Mahendra Saha	Statistics	Faculty Orientation Programme (OP-86) conducted by Jai Narain Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
38	Dr Gyana Ranjan Panda	PPLG	UGC-Academic staff college JNU, 23.02.2015 to 20.03.2015
39	Dr Jose Almin Cicily	PPLG	UGC-Academic staff college Goa University, 01.11.2014 to 28.11.2014
40	Mr Anjan Kumar	PPLG	UGC-Academic staff college Utkal University 11.11.2014 to 08.12.2014
41	Mr C. Jeevankumar	PPLG	UGC-Academic staff college University of Hyderabad 08.01.2015 to 04.02.2015
42	Mr. Gaurav Meena	Computer Science	Faculty Orientation Programme (OP-86) conducted by Jai Narain Vyas University, Jodhpur during 16 Dec., 2013 – 11 Jan, 2014.
43	Dr. Nishtha Kesswani	Computer Science	Orientation Course at UGC Academic Staff College, University of Rajasthan, Jaipur September 2, 2013 - September 28, 2013
Staff training conducted by the University			
Staff training conducted by other institutions			
Summer/Winter schools, workshops etc.			
1	Dr. Suresh Singh Rathore	Hindi	Summer School at UGC ASC University of Rajasthan, Jaipur during 16/06/2014 to 05/07/2014

Academic Staff Development Programmes	Name of the Faculty	Department/ School	Event with date
2	Dr. Sandeep Ranbhirker	Hindi	Summer School at UGC ASC Kumaun University, Nainital during 22/04/2013 to 11/05/2013
3	Dr. Sandeep Ranbhirker	Hindi	Short Term Course - UGC ASC Gujarat University, Ahmedabad during 12/03/2012 to 18/03/2012
4	Dr. Avantika Singh	Management	UGC-Sponsored Special Summer School on 'Research Methodology', UGC Academic Staff College, University of Rajasthan, Jaipur, June 16-July 05, 2014.
5	Dr. Neeraj Panwar, Dr. Rajneesh Kumar Verma, Dr. Ajit Kumar Patra	Physics	One day work shop on best teaching practice organized by Central University of Rajasthan
6	Dr. Raghu Chitta	Chemistry	Science Academies' Summer Research Fellowship Programme during June – July, 2014
7	Dr. Sunil G Naik	Chemistry	Committee Members of School and Workshop on Electrochemical Techniques during Nov. 25 – Dec. 1, 2013
8	Dr. Easwar Srinivasan	Chemistry	--do--
9	Dr. Raghu Chitta	Chemistry	--do--
10	Dr. Srinivasarao Yaragorla	Chemistry	--do--
11	Dr. A. Nagaraju	Computer Science	NKN Workshop, IISc Bangalore
12	Dr. A. Nagaraju	-do-	NKN Workshop, IITG
13	Dr. Nishtha Kesswani	-do-	Two-week ISTE Workshop on Cyber Security Conducted by IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. of India)
14	-do-	-do-	8th Biyani International Conference (BICON 2013) held at Biyani Girls College, Jaipur
15	-do-	-do-	2nd International Conference on business intelligence analytics and knowledge management (BIKAM 2013) held at IBS Hyderabad

Academic Staff Development Programmes	Name of the Faculty	Department/ School	Event with date
16	-do-	-do-	Short Term Course on "Computational skills for Scientists and Engineers" held at Malaviya National Institute of Technology, Jaipur
17	-do-	-do-	Workshop on "Cloud Computing: The Next generation revolution" held at Malaviya National Institute of Technology, Jaipur
18	-do-	-do-	Short Term course on "Machine Intelligence" held at Malaviya National Institute of Technology
19	-do-	-do-	National workshop on "e-Governance" held at Central University of Rajasthan, Kishangarh
20	-do-	-do-	International symposium on "Game Theory: Teaching & applications" held at Central University of Rajasthan, Kishangarh
21	-do-	-do-	Refresher course in IT, UGC academic staff college, University of Rajasthan
22	-do-	-do-	National Seminar on "Role of state in the social sector and economy" held at University Commerce College, University of Rajasthan, Jaipur
23	-do-	-do-	National Seminar on "Value based education" held at Sh. R.K. Patni Govt. PG College, Kishangarh
24	-do-	-do-	National workshop on "Wireless Technologies" held at Government Engineering College, Ajmer
25	-do-	-do-	National workshop on "Wireless Technologies" held at Government Engineering College, Ajmer
26	-do-	-do-	Two-week ISTE Workshop on Cyber Security Conducted by IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. of India)

Academic Staff Development Programmes	Name of the Faculty	Department/ School	Event with date
27	-do-	-do-	ISTE workshop on Cyber Security, IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. Of India)
28	-do-	-do-	ISTE workshop on Computer Programming, IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. Of India)
29	-do-	-do-	Two-week ISTE Workshop on Cyber Security Conducted by IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. of India)
30	-do-	-do-	AICTE sponsored winter school on "Cloud Computing" Conducted by Computer Science Department at National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh
31	-do-	-do-	Orientation Workshop on "Best Teaching Practices" , Central University of Rajasthan
32	-do-	-do-	Workshop on "Green Building Awareness" Conducted by Indian Institute of Technology, Bombay in Association with Academy of Architecture sponsored by NMEICT (MHRD, Govt. Of India)
33	Dr. Sanjay Anand	-do-	Two Weeks ISTE Workshop on Cyber Security under the National Mission on Education through ICT (MHRD, Govt. of India)
34	-do-	-do-	Workshop organized by Department of Management in Central University of Rajasthan
35	Mr. Vinod Kumar	-do-	Two-day's Workshop on "Ethical Hacking & Cyber Security" conducted by I3Indya Technologies at Central University of Rajasthan

Academic Staff Development Programmes	Name of the Faculty	Department/ School	Event with date
36	-do-	-do-	ISTE Workshop on Cyber Security
37	-do-	-do-	ISTE Workshop Computer Programming
38	Dr. Gyana Ranjan Panda	PPLG	Three Day Training cum workshop on Testing and Evaluation and Item Writing conducted by National Testing Service-India and Central University of Rajasthan from 4 th -6 th November 2014.
39	Dr. Gyana Ranjan Panda	PPLG	International Workshop on Impact Evaluation organized by Asian Development Bank and International Initiative for Impact Evaluation (3ie) from September 1 - 5, 2014 at the Asian Development Bank HQ, Manila, Philippines.
40	Mr. C. Jeevan Kumar	PPLG	Three Day Training cum workshop on Testing and Evaluation and Item Writing conducted by National Testing Service-India and Central University of Rajasthan from 4 th -6 th November 2014
41	Mr. C. Jeevan Kumar	PPLG	National Workshop on Empowering India through E-Governance, held at RKP Government College, Kishangarh, Rajasthan on December 18-19, 2014.
42	Mr. C. Jeevan Kumar	PPLG	International Symposium on Excellence in Public Service/Public Administration on October 7-8, 2014, organised by Department of Administrative Reforms and Public Grievances, Government of India with support from the United Nations Development Programme.

2.4.8 What percentage of the faculty members have:

- **Been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies?**

Approximately 35% faculty are invited as a resource person by various external professional agencies

- **Participated in external Workshops/ Seminars/ Conferences recognized by national / international professional bodies?**

Approximately 80% of the faculty has participated in the conferences recognized by national/ international professional bodies.

- **Presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies?**

Approximately 55% of the faculty has presented their papers in various workshops/ Seminars/ Conferences recognized by national/ international professional bodies.

- **Teaching experience in other universities/national institutions and other institutions?**

Approximately 14% faculty have teaching experience in other universities/ national institutions

- **Industrial engagement?**

Approximately 9% faculties are involved in teaching and research activities with the industrial engagement.

- **International experience in teaching?**

Approximately 8% of the faculty have international teaching experiences

Central University of Rajasthan provides encouragement and assistance for all its faculty members to represent the University as invited resource persons, presenters for various extension activities including workshops / seminars / conferences organized by external professional agencies. University also encourages its faculty to take up teaching/ research and industrial assignments at external professional agencies.

2.4.9 How often does the University organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

Central University of Rajasthan is a relatively young University and all the academic programmes have been recently developed with inputs from experts belonging to academia and industry. The academic programmes and curriculum are in place for less than 4-5 academic sessions. University is constantly monitoring the effectiveness of the offered programmes and curriculum. Still University has conducted/ organized programmes for academic development both at Departmental Levels and also at University Levels. A list of such activities is as follows:

Academic Development Programme (Event with Dates)

1. Workshop on 'Best Teaching Practices' at Central University of Rajasthan, Oct 4, 2013.
2. 17th February 2013, Developed the Curriculum of Integrated M.Sc. B.Ed. Economics Program in the experts' Committee
3. 16th May 2012, Curriculum developed for PhD Program of Economics in the experts' committee
4. 23rd January 2012, Developed the courses of Economics of Human Development, Research Methodology and Computer Applications in Economics
5. Workshop on Design & Tools for Research Projects, 26-27 November, 2012.
6. Workshop on Current Trends in Marketing, April 11-12, 2013
7. FDP on "Research Methodology in Management" on January 24, 2014 by Dr. Sanjeev Gupta, Central University of Himachal Pradesh
8. FDP on "Simultaneous Equation System in Management" on March 14, 2014 by Prof. Narain Sinha, University of Botswana
9. FDP on "Lateral Thinking" on March 27, 2014 by Prof. N. D. Mathur, University of Rajasthan
10. FDP on "Research Methodology" on March 28, 2014 by Prof. C. P. Gupta, University of Delhi
11. FDP on "Contemporary Challenges in Indian Economy" on April 29-30, 2014 by Prof KL Chawala, Fore School of Management, New Delhi
12. FDP on "Analysis of Rajasthan Economy" on April 29-30, 2014 by Prof. CS Barla, former planning commission chair professor
13. One-day orientation programme organized by University on teaching-learning methods on 3rd October 2013
14. Advance training course on Remote sensing and its application 16-18 April 2012.
15. Training by Envirotec Instruments Pvt Ltd. on air quality monitoring equipments and Noise Pollution instruments. Feb., 2012.
16. Training by Systronic (India) Pvt Ltd. on soil and water quality analysis kit, April, 2012.
17. Training on estimation of fluoride and nitrate estimation in water, August, 2013.
18. Training by on UV-Vis Spectrophotometer by Agilent Technology, Bangalore, Feb., 2014.
19. Training on GNSS Server by National Atmospheric Research Laboratory, Tripuri March, 2014.

2.4.10 Does the University have a mechanism to encourage?

- **Mobility of faculty between universities for teaching?**
- **Faculty exchange programmes with national and international bodies?**

If yes, how have these schemes helped in enriching the quality of the faculty?

Central University of Rajasthan encourages mobility of faculty members of our University as well other reputed University for teaching activities. A few of the University Faculty members have rendered their teaching services to other Universities. This approach has helped them enhance their teaching and quality. The following list shows the events of participation of University faculty in teaching mobility.

S. No.	Name of the faculty participated in the exchange programme	National/ International	University that he/she went	Duration (with date)
1	Dr. Mohan kumarAs Associate Professor at IDS Jaipur	National	Dept. of Economics, CURAJ	6 th August 2014
2	Dr. Ranjan Aneja	National	IDS, Jaipur	11 th September 2013
3	Prof (Lt.) Surjit Singh, Former Director IDS Jaipur	National	Dept. of Economics, CURAJ	22 nd March 2012
4	Gaurav Somani, Assistant Professor, Central University of Rajasthan	National	LNM Institute of Informaiton Techanology, Jaipur	January to May 2013) to teach a course to B.Tech. Computer Science and Engineering students.
5	Deepesh Bhati	National	Shivaji University, Kolhapur	Series of lectures on "Financial Mathematics" to PG Diploma in Actuarial Science and M.Sc. Applied Statistics students 8 Sep - 19 Sep, 14

2.5. Evaluation Process and Reforms**2.5.1. How does the University ensure that all the stakeholders are aware of the evaluation processes that are in place?**

Central University of Rajasthan has adapted a mechanism of transparent evaluation system, wherein the evaluation methods are communicated and

explained in detail to students and their guardian at the beginning of their course.

Further, the evaluation of their progress through the course is discussed by respective course instructor at regular interval (usually at the time of showing answer sheets for different components of the evaluation process i.e. after 1st, 2nd and 3rd Internal Assessment Exams as well as after the EoSE exams. Students are allowed to discuss in detail their scores with concern faculty members, Department HoD.

Scores from different components of the examination and evaluation are verified by each student before publishing it on the Notice Board of the Department(s) and submitted it to the office of Controller of Examination.

University also plans for uploading compiled scores on the University web-site (to be done from the next academic session).

These methods have so far been useful in ensuring that stakeholders (Students and their guardians) are fully aware of evaluation processes.

2.5.2. What are the important examination reforms initiated by the University and to what extent have they been implemented in the University departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

University has implemented semester system for its examination. To pass a semester, the assessment of student is based on:

- a) For passing a semester, the assessment of a student shall be based on (i) Continuous Internal Evaluation (shortly called 'CIE') of 50% marks in each course; and (ii) End of Semester Examination ('EoSE') of 50% marks in each paper. (b) For a course, the CIE shall have three components, viz. Components 1, 2 and 3.
 - i) There shall be three Internal Assessment (IA) tests in each course in a semester with at least two of these in the form of formal tests, the third one can be a formal test, a seminar, a viva-voce examination or an equivalent procedure ensuring that the level of difficulty and the standard of evaluation are commensurate with the student's performance in tests. A home assignment if given should be evaluated as stipulated in (viii).
 - ii) The two best scores out of the three IA tests will be taken in arriving at the final grade in the course. This will provide relief for contingencies arising out of illness or other extra-ordinary circumstances and it avoids the need for special tests for the absentees.
 - iii) The relative weightage of the components of assessment will be as given in the following table. There shall be four components in the final score in any course:
 - Score in the best of the three IA tests –Component I
 - Score in the second best of the three IA tests - Component II
 - Score awarded by the course instructor based on Class attendance/ Participation/ discipline/seminar/ surprise test etc. - Component III

- Score obtained in the End of Semester Examination –EoSE

Component	Description of the Component	Relative Weightage (Out of 100)
Component 1	The highest of IA Tests 1,2 and 3.	20
Component 2	The second highest of IA Tests 1,2 and 3	20
Component 3	Attendance and class room participation, Viva-Voce / Group Discussions / Tutorials / Case Studies etc	10
Component 4	Performance at the EoSE	50

- iv) A student who misses out two or all the three of IA Tests 1, 2 and 3 on whatever grounds shall not be permitted to appear for the EoSE.
- v) A student is required to score a minimum of 35 % in each course in the EoSE of every semester.
- vi) Internal assessment tests I, II and III may be spaced out with an interval of about a month.
- vii) There shall be no retest in any of the IA Tests 1,2 and 3. If a student appears for only two out of the three IA tests, the student shall be awarded marks on the basis of his / her scores in those two IA tests attended by him/her and with a weightage of 40 out of 100. [Examples: A student scoring 12 in IA Test I, 15 in IA Test II and 14 in IA Test III will be awarded $14 + 15 = 29$, sum of best two, out of 40. A student scoring 12 and 15 in any two of IA tests I, II and III who is absent for one of the three tests will be awarded 27 out of 40]
- viii) A student who is absent for two or all three IA tests will NOT be permitted to appear for the EoSE and will be required to redo the particular course or an equivalent one in subsequent semesters. However, if the student has put in the necessary minimum attendance, he may be permitted to take the IA Tests in a subsequent semester when the course is on offer in the department.
- (b) The norms and standards of evaluation of the performance of a student in various components of Internal Assessment shall be such as may be determined by the concerned Department and approved by the School Board.
- (c) For evaluation of Home Assignment, the University may employ one or more assessment tools such as objective tests, paper presentation, problem solving, laboratory work etc., suitable to a course.
- (d) There shall be one written / laboratory based EoSE of three hours duration carrying 100 marks in each course covering the syllabus prescribed for the course.
- (e) Wherever necessary, external examiners shall be appointed by the Vice- Chancellor for evaluating the performance of students at the EoSE on the recommendation of the Head of the concerned department.

- (f) Evaluation of Project Report / Dissertation and viva-voce examination shall be made jointly by the supervisor of the student and one other examiner to be appointed by the Vice-Chancellor.
- (g) A student will be deemed to have earned the credits allotted to a course, if he obtains the minimum pass marks in the course, taking the marks obtained by him in CIE and EoSE of that course into consideration.
- (h) The minimum pass marks for a course will be 35% or 'D' grade on the ten point Scale.

2.5.1 What is the average time taken by the University for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode / media adopted by the University for publication of examination results (e.g.website, SMS, email, etc.).

The result is declared within a week's time from the last paper of examination. In case of delay in declaration of result every effort is made to expedite same as early as possible. Results are displayed on the University website as well as on the notice board of department.

2.5.2 How does the University ensure transparency in the evaluation process? What are the rigorous features introduced by the University to ensure confidentiality?

The University is following 'OPEN SYSTEM' hence before declaration of result the answer books are shown to the students prior to declaration of the results. Faculty members individually justify the marks scored by students and therefore, the system acts as a completely transparent system.

For ensuring the confidentiality of the examination procedure, the questions papers and answer- sheets are securely kept under the supervision of Controller of Examination/ Department Head/ Concerned Faculty member prior to the commencement of examination. This mechanism helps in maintaining full confidentiality of evaluation and examination process.

2.5.4. Does the University have an integrated examination platform for the following processes?

- i. **Pre-examination processes – Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.**
- ii. **Examination process – Examination material management, logistics, etc.**
- iii. **Post-examination process – Attendance capture, OMR-based exam result, auto processing, generic result processing, certification, etc.**

At Central University of Rajasthan, the evaluation process follows all standard procedures e.g.:

- Time table of examination is generated well before the commencement of examination and informed to all students through notice board display and via e-mail circulation.

- Students are informed about the attendance requirements for appearing in the exams.
- List of eligible and non- eligible students for taking examinations is declared and displayed on the Departmental Notice Boards.
- Examination fee is collected from eligible students through office counter/ Bank- counter challans.
- Examination materials are managed securely and confidentially: Question Papers and Answer sheets are numbered and tallied, securely packaged at Office of Controller of Examination, handed over to concerned Departments.
- Duties of Invigilator and squads are fixed for the examination.
- Examination are conducted
- After completion of the examination, the examination materials are securely handed over to respective examiners.
- Examiners evaluate the answers sheet and show the scores to students. The verified scores are tallied and final results are declared on Departmental Notice Board with a copy submitted to the Office of Controller of Examination.
- Final results are published and provisional score sheets are given to passing students.
- Final score/ grade sheets and course degrees are awarded to students at formal convocation ceremonies.

2.5.6 Has the University introduced any reforms in its Ph.D. evaluation process?

Central University of Rajasthan is a young University and Ph.D. programmes have been started only a few academic sessions ago and the Ph.D. programmes were designed with multiple sessions of brain storming including internal faculty and external experts. These newly introduced Ph.D. course curricula are being constantly monitored and reviewed for effectiveness. Such review would be continued for 5 academic sessions and subsequently reforms would be discussed and introduced if it is suggested by internal faculty and external experts.

The evaluation process in place for assessment of Ph.D. scholars is as follows:

- The first step of evaluation of Ph.D. scholars is with regards to Pre-Ph.D. course work. A formal examination (comprising of 3 internal assessment exams, 1 continuous evaluation- making for Weightage of 50% and 1 End of Semester Examination – making for Weightage of another 50% marks) is conducted. It is mandatory for all Ph.D. scholars admitted to Central University of Rajasthan to take up and pass the examination (with a minimum of 55 % marks) in all courses prior to his/ her formal enrolment to the research work.
- Once enrolled to research work, Ph.D. scholars are constantly monitored for their progress by assigned supervisors. There is a

mechanism of mandatory progress report submission by supervisor every month to the University Administration (Office of Dean Academics). Supervisors also submit Scholars' progress report to School Board through Head of Departments to take appropriate course of action.

- Ph.D. Scholars are required to submit a Research Synopsis with consent from respective supervisor. The synopsis is reviewed by Department Research Board and School Board. If the Departmental Board and School Board approve the synopsis, scholar is allowed to carry on with the proposed research.
- Post synopsis approval, scholars carry out research activity under regular supervision of respective supervisors.
- Subsequently, upon completion of the research studies, the scholar would submit thesis for evaluation by external examiners nominated by Honorable Vice Chancellor from a panel of examiners proposed by the supervisor/ Departmental research board. The supervisor/ Departmental Board would also submit the copy of examiner panel to Academic Council for reference and recommendations.
- Examiner would evaluate thesis submitted by the candidate for award of Ph.D. degree as per the rules of the University.

2.5.7 Has the University created any provision for including the name of the college in the degree certificate?

Central University of Rajasthan is a non-affiliating University, hence there is no affiliated college of this University and there is no need to include the name of College in the Degree Certificates. University accords Degree certificates under its unitary name.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations?

At Central University of Rajasthan, the evaluation process is an Open System, wherein evaluated answer sheets are shown to students and it is ensured that students are satisfied with their scores. Then the scores are compiled and results are posted. After the declaration of the result of a programme, if there are any grievances, the University may on a written application of an examinee along with prescribed fee, within fifteen days of the declaration of his result, allow him to: (a) see his/her answer script(s) individually in person; and / or (b) see individually in person the answer script(s) of another examinee of his programme; and / or (c) obtain from the University a photocopy of any of his/her answer script(s). (20) (a) A student may apply, alongwith the prescribed fee, for the scrutiny of his result or answer script(s) or the grades awarded to him by the University within thirty days of declaration of his result. (b) A student may also apply alongwith the prescribed fee, for revaluation of his answer script within thirty days of declaration of his result. (c) The University shall take appropriate action on such applications received from the students and declare the results of the scrutiny/revaluation within thirty days of the last date for receipt of such applications. (d) The University shall retain answer books of the students of a

semester for a period of six months after the declaration of the results. Thereafter, if there is no appeal of any student(s) about their results pending and if no legal matter is pending which may require the answer books of some candidate(s), the answer books may be disposed off.

2.5.9 What efforts have been made by the University to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

At Central University of Rajasthan, all operations at office of Controller of Examination are streamlined with the evaluation system of the University. University Departments and University Administration work in close association with office of CoE for ensure the smooth functioning of the evaluation and evaluation related process.

Department provide all information regarding students' (i) attendance; (ii) record for appearance in the inter assessment exams; (iii) scores from internal assessment exams etc. for determining their eligibility to appear in the End of Semester Examination.

Departments also provide all information regarding students' scores from EoSE examination to the office of CoE and help it to compile and finalize the results.

University administration (Office of Dean Academics, Office of Accounts and Finance etc.) provide full support for smooth operations of entire evaluation process.

2.6. Student Performance and Learning outcomes

2.6.1 Has the University articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

The University ensures integrative teaching to the students. Besides the conceptual knowledge in the subject, students get opportunity for personality development and better communication skills. The students enrich their personal and communication skills through class room presentations and group discussions. The students also get opportunity to attend the guest lectures where they enjoy hearing about social, ethical and behavioural contents.

2.6.2 Does the University clearly state learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

The students are clearly informed about the learning outcome for every course through the Induction Booklets. Further, these goals are clearly mentioned during the induction programme / initial classes in the department. The Head of the department explains about objectives and goals of every teaching programme time to time in formal or informal manner.

2.6.3 How are the University's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

The entire teaching, learning and assessment strategies are prepared as per provision of University Statutes and Ordinances. Through interactive sessions, practical work, field visits, summer internship / training and project work, the students learn adequate behavioural and life skills. They learn to face the life challenges. Collectively, department emphasises on the overall development of the learner.

Central University of Rajasthan is making all efforts in this direction. Attempts such as (i) designing of course curriculum and content that is contemporary meaningful and meets the demands of the present day job sectors, (ii) adapting semester system, choice based credit systems, transfer of credits, open system for evaluation and student feedback system etc. are ensuring holistic learning outcome.

2.6.4 How does the University collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

At the beginning of the session, communication skills weak in fundamentals of the students are properly addresses by arranging extra classes and bridge courses in English, mathematics etc. At the end of 1st sessional test, the slow learners are identified and remedial classes are arranged to make the students overcome the difficulties in learning. The registration form of the students' is so designed that it contains all data pertaining to the students' viz., their socio economic status, family background, educational qualifications, etc. With the help of the data provided by the students', respective departments assess and identify the strengths and weaknesses of the students'. In due course of teaching more clarity about the student is noticed. Through personal counselling, additional attention, extra classes and bridge courses, the faculty members make effort to overcome the barriers related to learning. At the end of First Internal Assessment, the slow learners are identified and remedial classes are arranged to make the students overcome the difficulties in learning.

2.6.5 What are the new technologies deployed by the University in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

At Central University of Rajasthan, a number of new technologies have been deployed to enhance the learning and evaluation process. A list of such technology deployed is listed below:

- We have started using Brihasapthi LMS facility in few departments to enhance the teaching and learning skills:
- 24/ 7 internet facility is available on campus through Wi- Fi as well as LAN.
- Aakash- tablets has been issued to the students on request basis.
- Anti-plagiarism software is being used to improve quality I learning and evaluation.
- Computer laboratories are open late night and on holidays also.

- All the faculty members of CURaj have experience of modern teaching methodologies including ICT methods and have used them for facilitating the progress of the students. Also, faculty members are following the recommended examination and evaluation methods for the maximum benefit of all the students.
- In order to maintain the standards in academics by inculcating Semester pattern, Academic Autonomy to the Constituent Departments, Credit System for ensuring horizontal mobility, continuous internal evaluation and cafeteria approach has been carried out.
- Conducting Open Book test.
- New Evaluation technique in the form Presentation and Seminars.
- Association of Practical Lab with every subject in course curriculum.
- Computer applications such as STATA, SPSS, and E-views for econometric and statistical applications to meet with the present demand of corporate sector and Research Organizations.
- University is planning for smart classrooms and language labs.

CRITERION - 3
(RESEARCH, CONSULTANCY
& EXTENSION)

CRITERION 3 (RESEARCH, CONSULTANCY AND EXTENSION)

3.1. Promotion of Research

3.1.1 Is there a research committee to facilitate and monitor research? If yes, give details.

The University has the provision of a Research Progress Committee (RPC) for each scholar consisting of the Supervisor(s) and two other members (recognised as supervisors) appointed by the department taking into account the nature of the research problem and the recommendation of the Supervisor. This Committee regularly monitors the progress of the research work of the scholar. A Scholar submits 6-monthly progress reports to the RPC and also an annual seminar outlining her/his research work during the year. If the RPC finds that the progress of the work is not satisfactory, a report to that effect shall be submitted to the School Board through the Department for appropriate action. Allotment of the research students to the supervisors, Additionally RPC also monitors, and redressal of the grievances in the process of allotment of the research students to the supervisors, scrutinizing the research proposal and recommendation to Director, Finalizing the research proposals and recommendation of the panel of referees for evaluation of the thesis/dissertations to Director. RPC also facilitates the finalization of panel of referees and appointment of referees for evaluation of the thesis/dissertation.

There are several committees within the Department to facilitate the research activities and monitor their progress.

- 1) Departmental Student Research Guidance Committee:** All of the regular faculty members of the Department are members. The primary activity of this committee is to encourage research activities amongst Master and Doctorate students. This committee also regulates allotment of research students to the supervisors, scrutinizing research proposals, review the project progress etc.
- 2) School Board:** This committee consists of Head, senior most Professor, Senior most Associate Professor, Senior most Assistant Professor of each Department of the School and four external experts having eminence in the field of relevant research activities. This committee takes care of overall monitoring of research activities and their progress. The primary responsibility of this committee is to facilitate and monitor research activities involving various biological agents and material classified as bio-hazards. (i) Dean of the School; (ii) HoDs/ Coordinators of the Departments with the School; (iii) All Professors of the School; (iv) senior most Associate Professor of the Department – on rotator basis (v) senior most Assistant Professor of the Department – on rotator basis and (vi) at least 3 external experts.
- 3) Institutional BioSafety Committee:** As per the guidelines of Department of Biotechnology, Govt. of Indian, this committee (IBSC) consists of Honorable Vice Chancellor as the Chairman, a DBT

nominee external expert and 5 internal members (3 of which are from Department of Biotechnology, CURaj.).

3.1.2 What is the policy of the University to promote research in its affiliated / constituent colleges?

Not applicable since Central University of Rajasthan is a Non- affiliating Unitary Univeristy. Therefore, Central University of Rajasthan has not made/ implemented any policy for promotion or research in its affiliated/ constituent Colleges.

3.1.3. What are the proactive mechanisms adopted by the University to facilitate the smooth implementation of research schemes/ projects?

At Central Univeristy of Rajasthan, research activities constitute significant component of University activity. Resaerch also consists of an important component of the course curriculum and structure. University is making best efforts to promote research activities in the Univeristy. A brief list of some of the activities taken up by Central University of Rajasthan in this direction is follows:

- The University has established the “University Industry Consultancy Centre (UICC)” to:
- Create a data base on the needs of Industries, other organization and Dept. of Govt. in the country and launch an Industrial Associateship programme.
- Coordinate R&D projects between University departments and Industries in the area of Product/process development and technology transfer.
- Assist in signing of MOU and development of IPR/patents by the University faculty based on their products and processes.
- Offer testing/material characterization and certification facilities.
- Offer training programmes for small/medium scale industries certificate / diploma courses relating to professionally oriented fields.
- Develop specialized continuing education programmes for industrial and social action agencies.

Further, the University has also established “Project Cell” to facilitate the submission of Research Projects to various funding agencies and for the effective managing of the sanctioned research projects at the University level. The Project Cell helps the faculty members to undertake and streamline the various activities related with the research projects submitted / being submitted to various funding agencies. Thus University is catering to the needs of various research activities at the University.

University also promotes Research activities are and recommends them to be carried out as per the University guidelines and recommendations that are coherent with the rules devised by Govt. of India. With regards to research activities at University, following measures are implemented by Univeristy:

Advancing funds for sanctioned projects:

The University offers advance funds equal to 1 year worth of installment for sanctioned projects.

Providing seed money

Sl.No.	Name of the Collaboration	National/ International	Major funding agency	Type of support from CURaj
Department of Biotechnology				
1	SOL Genome Initiative – Phase II	National	Department of Biotechnology, Govt. of India	Basic Infrastructure
Department of Chemistry				
1	Prof. R. T. Pardasani Scientific collaboration with Prof. Tulsi Mukherjee, BARC(2009-13)	National	BRNS	Major Research Collaboration
	Scientific collaboration with Prof. Keith Smith, Cardiff University, UK	International	Under Processing	Departmental Collaboration
2	Scientific Collaboration with Prof. Kent R. Mann, University of Minnesota, Minneapolis, Minnesota (Dr. Raghu Chitta)	International	Central University of University	Basic Infrastructure
3	DST-RFBR (Dr. Easwar Srinivasan)	International	DST	Basic Infrastructure
4	Dr. Srinivas Yaragola -with Dr Tarun, Biotech, CURAJ	National	BRNS	
Department of Computer Science				
1	Dr. Nishtha kesswani	International	UGC	Study leave
Department of Environmental Sciences				
1	National Physical Laboratory, New Delhi.	National	Collaborative Study	Instruments Provided for Sampling
2	National Institute of oceanography, Goa.	National	Collaborative Study	Instruments Provided for Sampling
3	National Atmospheric Research Laboratory, Tirupati.	National	Collaborative Study	Installation of GPS unit at CURaj.

Sl.No.	Name of the Collaboration	National/ International	Major funding agency	Type of support from CURaj
Department of Microbiology				
1	Dr. Pawan Dadheech	International	Leibniz-Institute of fresh water ecology and inland fisheries, Germany	Collaborative Research
2	Dr. Pradeep Verma	National	GGU, Bilashpur and Central University of Assam	Project Collaboration
3	Dr. Akhil Agrawal	National	Cairn India Pvt Ltd.	Basic infrastructure required for research
4	Dr. Nidhi Pareek	International	Umea University, Swededen	Collaboraive Research Study
5	Dr. Chandra Sekhar Gahan	International	KIGAM, South Korea and SDU, Turkey	Collaborative Research study
Department of Management				
1	MOU of Department of Management, CURAJ with Institute of Public Enterprise, Hyderabad	National	-	-
2	MOU of Department of Management, CURAJ with GENPACT	International	-	-
Department of Mathematics				
1	H. M. Srivastava, Univ. of Victoria, Canada	International	-	Nil
2	J. Sokol, Rzeszow University of Technology, Poland	International	-	Nil
3	M.K. Aouf, Mansoura University, Egypt	International	-	Nil
4	Georgia Irina Oros, University of Oradea, Romania	International	-	Nil
5	Roxana Sendrutiu, University of Oradea, Romania	International	-	Nil
6	T. Bulboaca, Babes-Bolyai University,	International	-	Nil

Sl.No.	Name of the Collaboration	National/ International	Major funding agency	Type of support from CURaj
	Romania			
7	S. Ponnusamy, Indian Statistical Institute (Chennai Centre), Chennai	National	-	Nil
8	R. K. Raina, M.P. University of Agriculture and Technology, Udaipur	National	-	Nil
9	Ritu Agarwal, Dept. of Mathematics, MNIT, Jaipur	National	-	Nil
10	Shashi Kant, Government Dungar College, Bikaner	National	-	Nil
11	Deepak Bansal, College of Engg. and Technology, Bikaner	National	-	Nil
12	Amit Soni, Government Engineering College, Bikaner	National	-	Nil
13	Ambuj K. Mishra, GLA University, Utter Pradesh,	National	-	Nil
14	Bai-Lian Li, University of California, Riverside, USA	International	-	Nil
Department of Physics				
1	IIT Jodhpur	National	MHRD	Infrastructure
2	CEERI Pliani	National	MHRD	Infrastructure
3	IFW Dresden, Germany	International		Infrastructure
4	IIIST Thriv...	National		Infrastructure
5	CU pondicheery	National		Infrastructure
6	IIT Mandi	National		Infrastructure
7	IIT Bhubaneswar	National		Infrastructure
8	University of Rajasthan	National		Infrastructure
Department of Statistics				
1	University of Sheffield, UK	International	Collaborative Study	Basic Facilities
2	Department of Quantitative Methods and TiDES Institute. University of Las Palmas de Gran Canaria. Spain	International	Collaborative Study	Basic Facilities
3	IRDA, Hyderabad	National	Collaborative Study	Basic Facilities

The University does not offer any seed money for research to the faculty members, however, research grant is offered @ Rs. 10,000/- per M.Sc. dissertation students to mentor faculty.

Simplification of procedures related to sanctions / purchases to be made by the investigators

The University follows purchase procedures as per the GFR rules recommended by the Govt. of India.

Butonomy to the principal investigator/coordinator for utilizing overhead charges

University allows the Project PIs to utilize upto 50 % of the overhead charges for meeting the requirements of their research project as and when requested by the PIs.

Timely release of grants

University administration has implemented mechanism for timely release of research grants acquired by various faculty members.

Timely auditing

University administration has implemented mechanism for timely auditing of research projects.

Submission of utilization certificate to the funding authorities

University administration has implemented mechanism for timely issuing of utilization certificates for each project to be submitted to the respective funding agencies.

3.1.4. How is inter-disciplinary research promoted?

Ever since its inception, Central University of Rajasthan is dedicated to its central motto i.e. "Education for Sustainable Development". In order to achieve this motto, University is promoting intra and inter institutional collaboration to promote interdisciplinary teaching and research. As an outcome of this approach, a number of academic courses have been designed and implemented in the University are of interdisciplinary nature. Similarly, University has constantly encouraged its faculty members to undertake interdisciplinary research activities. This approach is expected to bring in experts from different fields from within University, and from other University/ Institutions from India and abroad to collaborate.

A number of faculty members have benefitted from such approach and initiated interdisciplinary research activities. These activities have been recognized by extra- mural funding agencies. A list of such collaborative interdisciplinary research activities being carried out at Central University of Rajasthan is as follows:

3.1.5. Give details of workshops/ training programmes/ sensitization programmes conducted by the University to promote a research culture on campus.

Ever since its inception, Central University of Rajasthan has taken sincere efforts towards development of research culture on the campus. With this

objective, the University has promoted its faculty to organize regional/ national/ international workshop/ seminars/ conferences/ summer and winter school/ orientation and refresher courses. These activities have helped in catering to the need of both faculty and students with regards to research activities. A list of such activities carried out during last 4 years at Central University of Rajasthan is as follows:

S. No.	Name of the Conference	National/ International	Department/ School organized
1	National Conference on Omics for Biotechnology (NCOB- 2012)	National	Department of Biotechnology
2	International Conference on Green Chemistry – 2011	International	Department of Chemistry
3	Indo-Korean Workshop “Nanomaterials and Health Care”	National	Department of Chemistry
4	NCOCIIE 2014 National Conference on Critical Issues of Indian Economy	National	De Department of Economics, School of Social Sciences
5	Department organized two days National Workshop on Climate Change: Adaptation and Mitigation for Sustainable Development on 10 & 11 October, 2011	National	Dept. of Environmental Science/School of Earth Sciences
6	One day project workshop on "Adaptation and mitigation options for tackling the impacts of climate change on water resources in the Luni River Basin", 6th November 2013.	National	Dept. of Environmental Science/School of Earth Sciences
7	International Workshop on "Climate Change Impacts and Societal Adaptation" from 7-8th November 2013 at Central University of Rajasthan (in collaboration with SMHI, Sweden and funded by SIDA).	International	Dept. of Environmental Science/School of Earth Sciences
8	Rabindra Nath Tagore in collaboration with Sahitya Akademi and IRIS (25-27 Nov. 2010)	National	English/ School of Humanities and Languages
9	Revisiting Cultural Cartographies of Indian Languages (24-26 Jan. 2011)	National	English/ School of Humanities and Languages
10	Shifting Paradigms of Comparative Literature (8-9 March 2011)	International	English/ School of Humanities and Languages
11	Minority Discourses Across Cultures (26-28 Feb. 2012)	International	English/ School of Humanities and Languages
12	National Seminar on Econometric	National	Department of

S. No.	Name of the Conference	National/ International	Department/ School organized
	Applications in Management- NSEAM 2013 (Nov. 20-21, 2013)		Management
13	International Symposium on Game theory: Teaching and Applications on 16th February, 2012	International	Department of Management
14	National seminar on international business, April 13, 2011	National	Department of Management
15	National Workshop on Research Methodology in management February 14-15 2011	National	Department of Management
16	International Conference on Advances in Dynamical Systems, March 10-13, 2014.	National	Department of Mathematics
17	National Conference on Complex Analysis in Honor of Late Prof. K. S. Padmanabhan, March 8-9, 14.	National	Department of Mathematics
18	Advance Training in Mathematics for Lecturers (ATML) on Advanced Complex Analysis, June 24, 2013 to July 13, 2013.	National	Department of Mathematics
19	Advance Training in Mathematics Workshop (ATMW) on Complex Analysis and related topics, March 15-19, 2013.	National	Department of Mathematics
20	National Seminar on Advances in Complex Analysis and Special Functions, March 12-13, 2011.	National	Department of Mathematics
21	International symposium on Science of Clusters, Nanoparticles and Nanoscale Materials SOCNAM 2013	International	Physics/School of Physical Sciences
22	Science Day 2014	National (local)	Physics/School of Physical Sciences
23	Dynamics Day Rajasthan	National	Physics/School of Physical Sciences
24	DST-SERC School on nonlinear Dynamics	National	Physics/School of Physical Sciences
25	National Workshop on Management of University Administration held on 11-15th March 2013	National	Department of Public Policy, Law and Governance/ School of Social Sciences
26	2nd MPL faculty Workshop (North Zone) on Teaching Public Policy, Media and Law held on November 1-2, 2012	National	Department of Public Policy, Law and Governance/ School of Social Sciences

S. No.	Name of the Conference	National/ International	Department/ School organized
27	4 day Workshop using R March. 3-6, 2011.	Regional	Department of Statistics
28	Recent Advances in Statistics with Application in Actuarial Science and Finance 22-23 Feb, 2013	National	Department of Statistics
29	Recent Advances in Statistics with Application in Actuarial Science, Finance and Other Related Area 14-15 Feb, 2014	National	Department of Statistics

Additionally, nearly all the Departments of Central University of Rajasthan have organized regular journal club seminar, popular research lecture presentation and presentations by visiting experts etc. These activities have further augmented the process for research culture development in the University.

3.1.6 How does the University facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the University?

Central University of Rajasthan has constantly made efforts for researchers with eminence to visit University campus as visiting faculty/ adjunct professor. A few such visiting faculties have rendered their services to different Departments for short terms. Such efforts have helped in a timely guidance and suggestion towards re-structuring the curriculum, and revising the curriculum content. Visiting faculties have also helped University faculties in formulating new research ideas and developing collaborative research proposals.

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

Central University of Rajasthan is dedicated for fostering highest quality of research and has been helping in execution of research activities through Departments. Although, there is no direct embarking of budget as a separate research – activities head, yet, Departments a large % of total University infrastructure budget is being spent for establishment of high end research infrastructure. Some of the noticeable activities in this regard are:

- Construction of Academic/ Research Buildings.
- Procurement of High End Research Equipments including a 500 MHz NMR (worth ~ 5 Crore Rs.)
- Procurement of other routinely required equipments through Departments.

In addition, University promotes its Departments to invest ~ 25- 30 % of their total annual budget for procurement of different consumables and non-consumables required for research activities in the Department.

Through Central budget, University is also providing research fellowship to each of the Ph.D. scholar enrolled with different Departments.

3.1.8 In its budget, does the University earmark funds for promoting research in its affiliated colleges? If yes, provide details.

Since, Central University of Rajasthan is a non- affiliating University, there is no affiliated college of the University and therefore, this issue is not applicable.

3.1.9 Does the University encourage research by awarding Post Doctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the University and other sources.

At present, Central University of Rajasthan is not awarding any direct Post Doctoral Research Fellowship/ Research Associateship; however, University encourages its faculty to recruit Post Doctoral Fellows and Research Associates through their externally funded research projects. University has provision for providing basic facilities that would be required by any Post Doctoral Fellow/ Research Associate recruited through such system.

Additionally, Central University of Rajasthan encourages externally funded post-doctoral fellows (having their own fellowship from different funding agencies e.g. Department of Science & Technology, Department of Biotechnology, University Grant Commission) to pursue research activities in different Departments of the University. University is also encouraging research professionals of other status e.g. DST- Inspire/ DST Fast Track Young Scientist/ DST- Women Scientist etc. to pursue their research activities in the University.

The list of currently working research professionals in the Department is as follows:

S. No.	Name	Fellowship/ Award	Funding Agency	Mentoring Faculty from Department
1.	Dr. Deepika Goyal	DST- WoS- A (Women Scientist)	Department of Science & Technology, Govt. of India	Dr. Pankaj Goyal (Associate Professor)
2.	Dr. Nisha	UGC- Kothari Post Doctoral Research Fellowship	UGC, MHRD, Govt. of India	Prof. A. K. Gupta (Professor & HoD)

3.1.10 What percentage of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the University monitor the output of these scholars?

Since Central University of Rajasthan is a relatively young University, many of its faculty members are only recently recruited, therefore, University has made only limited progress in this direction. To date, 2 of the regular University faculty (viz., Dr. Sanjay Garg- Department of Management and Dr. Nistha Keswani- Department of Computer Science) constituting ~ 2 % of total regular faculty strength have availed sabbatical leave for pursuing higher research in premier institutes abroad.

The mechanism for monitoring the output of such sabbatical leave- for higher research has been formulated; however, it is yet to be implemented and tests.

3.1.11 Provide details of national and international conferences organized by the University highlighting the names of eminent scientists/scholars who participated in these events.

During 5 years of its existence, Central University of Rajasthan has organized a number of national and international conferences through its Departments. Each of these conferences was attended by participants from various parts of the country and also by participants from abroad. A list of conferences organized by Central University of Rajasthan during last 5 years is as follows:

S. No	Name of the Conference	National/ International	Department/ School organized
1	National Conference on Omics for Biotechnology (NCOB- 2012)	National	Department of Biotechnology
2	International Conference on Green Chemistry – 2011	International	Department of Chemistry
3	Indo-Korean Workshop “Nanomaterials and Health Care”	National	Department of Chemistry
4	NCOCIIE 2014 National Conference on Critical Issues of Indian Economy	National	De Department of Economics, School of Social Sciences
5	Department organized two days National Workshop on Climate Change: Adaptation and Mitigation for Sustainable Development on 10 & 11 October, 2011	National	Dept. of Environmental Science/School of Earth Sciences
6	One day project workshop on "Adaptation and mitigation options for tackling the impacts of climate change on water resources in the Luni River Basin", 6th November 2013.	National	Dept. of Environmental Science/School of Earth Sciences
7	International Workshop on "Climate Change Impacts and Societal Adaptation" from 7-8th November 2013 at Central University of	International	Dept. of Environmental Science/School of Earth Sciences

S. No	Name of the Conference	National/ International	Department/ School organized
	Rajasthan (in collaboration with SMHI, Sweden and funded by SIDA).		
8	Rabindra Nath Tagore in collaboration with Sahitya Akademi and IRIS (25-27 Nov. 2010)	National	English/ School of Humanities and Languages
9	Revisiting Cultural Cartographies of Indian Languages (24-26 Jan. 2011)	National	English/ School of Humanities and Languages
10	Shifting Paradigms of Comparative Literature (8-9 March 2011)	International	English/ School of Humanities and Languages
11	Minority Discourses Across Cultures (26-28 Feb. 2012)	International	English/ School of Humanities and Languages
12	National Seminar on Econometric Applications in Management-NSEAM 2013 (Nov. 20-21, 2013)	National	Department of Management
13	International Symposium on Game theory: Teaching and Applications on 16th February, 2012	International	Department of Management
14	National seminar on international business, April 13, 2011	National	Department of Management
15	National Workshop on Research Methodology in management February 14-15 2011	National	Department of Management
16	International Conference on Advances in Dynamical Systems, March 10-13, 2014.	National	Department of Mathematics
17	National Conference on Complex Analysis in Honor of Late Prof. K. S. Padmanabhan, March 8-9, 2014.	National	Department of Mathematics
18	Advance Training in Mathematics for Lecturers (ATML) on Advanced Complex Analysis, June 24, 2013 to July 13, 2013.	National	Department of Mathematics
19	Advance Training in Mathematics Workshop (ATMW) on Complex Analysis and related topics, March 15-19, 2013.	National	Department of Mathematics

S. No	Name of the Conference	National/ International	Department/ School organized
20	National Seminar on Advances in Complex Analysis and Special Functions, March 12-13, 2011.	National	Department of Mathematics
21	International symposium on Science of Clusters, Nanoparticles and Nanoscale Materials SOCNAM 2013	International	Physics/School of Physical Sciences
22	Science Day 2014	National (local)	Physics/School of Physical Sciences
23	Dynamics Day Rajasthan	National	Physics/School of Physical Sciences
24	DST-SERC School on nonlinear Dynamics	National	Physics/School of Physical Sciences
25	National Workshop on Management of University Administration held on 11-15th March 2013	National	Department of Public Policy, Law and Governance/ School of Social Sciences
26	2nd MPL faculty Workshop (North Zone) on Teaching Public Policy, Media and Law held on November 1-2, 2012	National	Department of Public Policy, Law and Governance/ School of Social Sciences
27	4 day Workshop using R March. 3-6, 2011.	Regional	Department of Statistics
28	Recent Advances in Statistics with Application in Actuarial Science and Finance 22-23 Feb, 2013	National	Department of Statistics
29	Recent Advances in Statistics with Application in Actuarial Science, Finance and Other Related Area 14-15 Feb, 2014	National	Department of Statistics

3.2 Resource Mobilization for Research

3.2.1. What are the financial provisions made in the University budget for supporting students' research projects?

Central University of Rajasthan is dedicated for providing financial support for helping students with their research projects. Although there is no separate budget provision for Students' Research Project made in the University Budget, yet University offers:

- Research Fellowship of Rs. 8,000/- to each student enrolled in Ph.D.

programmes of different Departments from the Central Funds of the University.

- For M.Sc. dissertation project, University provides ~ Rs. 10,00/- per student from the Central Funds of the University.
- In addition, University also encourages its faculty members to provide financial support for research projects of their Masters and Ph.D. students through extra- mural research funds.

3.2.2. Has the University taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

Since Central University of Rajasthan of Rajasthan is a relatively young University and research activities at the University are only in infancy; there has not been any case brought to University Administration, wherein the research results/ product could be patented. Therefore, University has not yet taken any efforts towards filing any patent application. However, University strongly encourages its faculty to carry out innovative and patentable research. University will provide all administrative and logistic support that would be needed by any faculty in filing for a patent application.

3.2.3. Provide the following details of ongoing research projects of faculty:

Sl. No.	Name of the PI / Co PI	Dept.	Funding Agency	Project Name	Grant Sanctioned
1	Dr. Srinivasrao Y.	Chem	SERB	"A Concise & Stereospecific Synthesis of Functionally Embellished Pyran, Piperidine (& Fused Heterocyclic) Motifs & Application in Natural Products Synthesis"	25,00,000.00
2	Dr. P. Verma	Microbio	DBT	"An Integrated Approach for the Development of Microwave System for Pretreatment of Lignocellulosic Biomass for the Cellulolytic Enzymes & Ethanol Production"	36,31,000.00
3	Dr. J. K. Yadav	Biotech	SERB	"Assessment of Amyloidogenic Propensities of HIV Infection Enhancing Peptide PAP (248-286) Under Relevant Physiological	19,00,000.00

Sl. No.	Name of the PI / Co PI	Dept.	Funding Agency	Project Name	Grant Sanctioned
				Conditions"	
4	Dr. J. Pandey	Biotech	SERB	"Comparative Analysis of Soil Microbial Diversity across Textile Wastewater Effluent Stream(s) of Sanganer Region, Rajasthan"	22,50,000.00
5	Prof. A. P. Singh	Maths	SERB	"Complex Dynamics & Escaping Sets of Entire Functions"	12,28,800.00
6	Dr. M. Shrimali	Phy	SERB	"Complex Network of Non-linear Oscillators Interacting Through a Common Environment Physical Sciences"	23,33,465.00
7	Dr. P. Verma	Microbio	DBT	"Exploring Fungal Diversity from the Selected Area of Assam using Biochemical & Molecular Approach for Industrially Important Biomolecules"	27,38,000.00
8	Prof. A. K. Gupta	Biotech	DBT	"Functional Characterisation of a Heat Shock Protein (HSP90), Amino Acid Transporter (AAT) and Nucleosome Assembly Protein (NAP) Genes for their Role in Root Development in Tomato"	51,49,000.00
9	Dr. T. K. Bhatt	Biotech	SERB	"Molecular Modeling of Malaria Parasite "Secretome": A Potential Drug Target"	16,74,000.00
10	Dr. S. Nimesh	Biotech	SERB	"Novel Receptor Targeted Nanotechnology Based Gene Silencing Approach to Suppress Metabolic Functions of PCSK9 Gene for	18,90,000.00

Sl. No.	Name of the PI / Co PI	Dept.	Funding Agency	Project Name	Grant Sanctioned
				Treatment of Hypercholesterolemia"	
11	Dr. M. Shrimali	Phy	DST	"Synchronisation Based Pattern Selection in Coupled Neuronal Oscillators"	21,81,200.00
12	Dr. Easwar Srinivasan	Chem	DST	"Synthesis & Studies on Catalytic Performance of Novel Ion-tagged Recyclable Chiral Organocatalysts Generated from Suitable Dipeptides"	25,06,200.00
13	Dr. R. R. Shaikh	Chem	DST	INSPIRE- "Organocatalysis for Health and Sustainability"	35,00,000.00
14	Dr. Anuj Sharma	Chem	DST	INSPIRE- "Smart Metal Chelators for MRI Contrast Agent"	35,00,000.00
15	Dr. J. Kumar	Stats	UGC	MRP- "Bayesian Analysis of Multivariate Time Series Model"	10,40,800.00
16	Dr. D. C. Sharma	Maths	UGC	MRP- "Solid Waste Management: A Mathematical Approach"	11,40,300.00
17	Dr. C. C. Mandal	Biochem	UGC	Startup "Cholesterol lowering Drug Targets Osteoclastogenic Factors to Prevent Osteolytic Bone Metastasis of Breast Cancer"	6,00,000.00
18	Dr. S. Nimesh	Biotech	SERB	Startup-""	6,00,000.00
19	Dr. Ruchi Malik	Pharma	UGC	Startup-""	6,00,000.00
20	Dr. A. K. Patra	Phy	UGC	Startup-""	6,00,000.00
21	Dr. Suman Tapryal	Biotech	UGC	Startup-""	6,00,000.00
22	Dr. A. P. Singh	Microbio	UGC	Startup-""	6,00,000.00
23	Akhil Agrawal	Microbio	UGC-MRP	Monitoring and control sulphate reducing bacteria and souring in the oil fields of Rajasthan, India	17,00,000
24	Akhil Agrawal	Microbio	Cairn India Ltd	Sulphate reducing bacteria analysis in	4,50,000

Sl. No.	Name of the PI / Co PI	Dept.	Funding Agency	Project Name	Grant Sanctioned
				the samples from Cairn's Rajasthan oil field	
25	Dr. Nidhi Pareek	Microbio	Department of Biotechnology (DBT)	Targeted discovery of novel thermostable chitinolytic enzyme system and elucidation of reaction mechanism for production of bioactive oligosaccharides	16,00,000
26	Dr. Nidhi Pareek	Microbio	DST-INSPIRE	Exploration of Thermostable chitinolytic enzyme system from Thar desert for production of bioactive oligosaccharides	35,00,000
27	Dr. Arvind Pratap Singh	Microbio	DST- start up research grant	Human enteric pathogens in fresh vegetables and fruits: A genotypic and phenotypic analysis	19,00,000
28	Akhil Agrawal	Microbio	Start up Grant-UGC	Isolation of Mycosporine like Amiono Acids from Cyanobacteria from hypersaline regions	6,00,000
29	Dr. N. Panwar	Phy	UGC	Startup-""	6,00,000.00
24	Dr. R. K. Verma	Phy	UGC	Startup-""	6,00,000.00
25	Dr. D. Sharma	Env Sci	UGC	Startup-"Assessment of Climate Change Impact on Water Availability using Improved Climate Change Scenarios: A Case of Banas River Basin, Rajasthan"	6,00,000.00
26	Dr. D. M. Sawant	Pharma	UGC	Startup-"Design, Synthesis Screening of Acridine based Compounds against Trypanothione Reductase"	6,00,000.00
27	Dr. V. Tiwari	Biochem	UGC	Startup-"Differential Expression of the Iron Regulated Membrane Protein in Sensitive & Resistant	6,00,000.00

Sl. No.	Name of the PI / Co PI	Dept.	Funding Agency	Project Name	Grant Sanctioned
				Strain of Acinetobacter Baumanni"	
28	Dr. U. Gupta	Pharma	UGC	Startup-"Evaluation of Polyamidoamine (PAMAM) Dendrimers to Deliver Drugs to Brain Bypassing Blood Brain Barrier (BBB) through Nasal Route"	6,00,000.00
29	Dr. Vidyottama Jain	Maths	UGC	Startup-"Farmer Satisfaction Fuzzy Cognitive Mapping in Agriculture Insurance"	6,00,000.00
30	Dr. K. K. Tejavath	Biochem	UGC	Startup-"Heavy Metal Removal and Conformational Stability of the Moringa Oleifera Coagulant Protein (MOCP): A Homodimeric Protein from Moringa Oleifera"	6,00,000.00
31	Dr. V. Tiwari	Biochem	SERB	Startup-"Interaction Studies of the Acinetobacter Baumanni with the Human Pulmonary Cell Model: A Proteomics Approach"	24,20,000.00
32	Dr. K. Raza	Pharma	UGC	Startup-"Non-invasive Alternative Delivery of Decetaxel Employing Nanocolloidal Drug Delivery Vehicles"	6,00,000.00
33	Dr. D. M. Sawant	Pharma	SERB	Young Scientist Scheme-"Design & Synthesis of Selective Ir-reversible Inhibitors of Trypanothione Reductase as Antileishmanial Agents"	24,00,000.00
34	Dr. Mahendra Saha	Statistics	UGC	Generalized Lifetime Performance Index:	6,00,000

Sl. No.	Name of the PI / Co PI	Dept.	Funding Agency	Project Name	Grant Sanctioned
				Statistical Inference and Applications	
Total					5,29,82,765

The total extra- mural fund received by faculty members of Central University of Rajasthan todate is ~ 5.30 Crore Rs.

3.2.4 Does the University have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

The Central University of Rajasthan encourages its faculty to secure extra-mural fundings from industry and corporate hoses. Faculty members are making efforts to fulfil this objective. So far 1 faculty member has got external project sponsored by industry. The detail for the same is as follows:

Name of the Faculty	Department/ School	National/ International	Funding Industry/ Corporate House	Funds approved	Support Provided by Central University of Rajastha
Dr. Akhil Agrawal	Department of Microbiology/ School of Life Sciences	National	Cairn India Pvt Ltd.	4.50 Lacs	Basic infrastructure required for research

3.2.5 How many departments of the University have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

Central Univeristy of Rajasthan is a relatively young University and many of its Department were established during academic sessions 2011- 12 and 2012- 13. Therefore, many such Departments do not fulfil the time requirement for applying to such recognitions by national/ international agencies.

A few Departments of Central University of Rajsthan e.g. Department of Statistics, Department of Mathematics, Department of Chemistry, Department of Physics, Department of Commerce, Department of Economics etc. were established in academic session 2009- 10 and 2010- 11, and therefore, these Departments have been eligible above recognitions. Amongst these Departments, the following recognitions have been awarded.

Sl. No.	Department	Recognition	Recognizing Agency	Year in which recognized	Quantum of assistance received
1.	Department of Mathematics	DST- FIST	Department of Sciecne & Technology, Govt. of India	2014- 15	Rs. 63.0 Lacs
2.	Department of Chemistry	DST- FIST	Department of Sciecne and Technology, Govt. of India	2014- 15	Rs. 75.0 Lacs

3.2.6 List details of: *Research projects completed and grants received during the last four years (funded by National/International agencies).

As the Central University of Rajasthan is a relatively young University and majority of its regular faculty members have been recruited only recently. Many of the newly recruited faculty members have secured extranally funded research projects, however, none of these projects have been completed. Most of the projects are running in their 2nd and 3rd year of operation. So far the University has attracted Rs. 5,30,00,000.00 from national and international funding agencies.

3.3 Research Facilities:

3.3.1. What efforts have been made by the University to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

Central Univeristy of Rajasthan has been making best efforts for improving infrastructure faculties required for research activities. University has invested a large percentage of total available funds in development of academic and research buildings, library, generation and procurement of research related facilities e.g. Laboratories, un-interupted electricity supply, 24 x 7 internet accessibility, subscription to e- learning resources etc.

University has adapted mechanism of establishing high end research facilities in phase- wise manner. During 1st and 2nd phase, Univeristy is investing funds for creating basic research infrastructure and building of academic/ research blocks. These facilities would be subsequently supplemented with high end and sophisticated research equipments.

While the high end equipments and infrascture are being assembled at University, University provides assistance to faculty and students for visiting other Universities/ Institutions to meet the experimental requirements of their research requirements.

University has recruited academicians and researchers with expertise in emerging research disciplines e.g. Nanotechnology, Bioinformatics,

Combinatorial Synthesis, Photo- lithography, Green Chemistry, Sustainable Environment, Diaspora etc. as faculty members on regular sanctioned positions in the University. Expertise of these faculty members is being used utilized to decide on the future course of the University in developing strategies to meet the need of research in emerging disciplines.

3.3.2. Does the University have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

Central University of Rajasthan has established “University Project Cell” which functions under the supervision of “Dean Academics” and “Dean Research” to facilitate and cater to the various needs of the researchers. The Project provides all administrative and logistic support needed by the researchers.

3.3.3. Does the University have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?

Presently, Central University of Rajasthan does not have a University Science Instrumentation Centre. However, instruments procured through different Department are available to researchers upon due approval from respective Head of the Departments and or the faculty in-charge of the Departmental Instrument Facility.

Central University of Rajasthan plans to establish a University Science Instrument Centre at subsequent stages of its development.

3.3.5. Does the University provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

Yes, Central University of Rajasthan has residential facilities (with 24 x 7 wi- fi and LAN based internet facility). These facilities are offered to research scholar, post doctoral fellows, research associates and visiting scientists.

3.3.6. Does the University have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?

At present, Central University of Rajasthan does not have any specialised research centre, workshop on campus or at any off- campus address.

3.3.7. Does the University have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Although at present University does not have any centre of National and International recognition and repute. However, nearly all of the University Departments have made significant progress in the field of research and faculty members of these Departments have secured extramural research grants. This indicates that the University Department as well as University Faculty are getting recognized by the national and international agencies.

Further, 2 of the University Departments (viz., Department of Mathematics and Department of Chemistry) have been recognized by Department of Science & Technology (DST), Government of India for potential of excellence by awarding prestigious “Fund for Improvement of S&T infrastructure in universities & higher educational institutions (FIST)” awards.

3.3.8 What are the major research facilities developed and are available to the faculty and students on the campus?

Central University of Rajasthan has invested a large amount of infrastructure money in creation of research facilities and made them available to faculty and students on the campus. These facilities are managed by Departments and primarily consists of: (i) Laboratory and (ii) (b) Equipment

A comprehensive list of research facilities available with different Departments of the University is as follows

Department of Architecture

Internet connection, EBSCO host (online journal), central library, departmental library, building material lab, building physics lab and climatology under process, etc. Department's computer lab has adequate work stations in which following softwares are available: Auto CAD, Photoshop CS 5, Auto Desk Suit (15 software's), MS Office, etc.

Department of Biochemistry

A well equipped Biochemistry Lab and Animal Cell Culture Facility

Department of Biotechnology

The Department has 2 well equipped research laboratories and 1 well equipped M.Sc. teaching and training laboratory. These laboratories have all the basic facilities required for carrying out microbiology, molecular biology, genetic engineering, immunology and enzymology related experiments. Department also has basic set up required for Animal Cell Culture and Plant Tissue Culture. A brief list of equipments available at Department of Biotechnology is as follows:

- Analytical Balance
- pH Meter
- Table Top Centrifuge
- Refrigerated Centrifuge
- Floor Model Centrifuge
- Gel Electrophoresis Units
- Gel Documentation System
- Trans- illuminator
- PCR- machine (Thermocycler)
- UV- Vis Spectrophotometer
- Micro-volume Spectrophotometer (NanoDrop)
- Thermo-shaker
- Ultra Sonicator
- Hot Air Oven
- BOD shaker Incubator
- Non- shaking incubator
- Autoclave

- Microwave
- Ice- flakes Machine
- Speed Vacuum Dryer
- Lyophilizer
- Deep Freezers (- 20°C and -80°C)
- Blot Scanner
- Plant Growth Chamber
- Laminar Air Flows
- BioSafety Cabinet
- Chemical Fume Hood
- Rotatory Evaporator
- Bioinformatic Work-Station
- Molecular Modelling Software – Schodinger
- CO₂ Incubator

Department of Computer Science and Engineering

Each Faculty is provided with a Laptops/Desktops and 24*7 1GBPS internet connectivity with unlimited access to e-resources. University Library is subscribed to all most all major online print journals.

Department also has a well equipped computer lab for research and teaching purposes.

Department of English

Well equipped library, computer labs and also science labs facilitate research.

Department of Environmental Sciences

Basic Lab Facilities

Digital Balance, Cell Colorimeter, Leaf Area meter, Digital pH meter, Turbidity Meter, Moisture Analyzers, Water and soil analyses kit, Magnetic stirrer with hot plate, Water bath shaker; Oven, Weighing balance, Centrifuge machine, Incubator shaker.

Analytical Instruments Facilities

UV-Vis spectrophotometer, Flame photometer, Laminar air flow, Respirable Dust High Volume Sampler, Gaseous Pollutants sampler, Noise level meter, Organic Vapor Sampler, Personal Sampler with cyclone attachment, Handy Sampler, Visible Double Beam Spectrometer, Microscope Bionocular with attachment, BOD incubator, Digital colony counter.

Remote Sensing and GIS Lab

ArcGIS, ERDAS IMAGINE, ENVI, GNSS server

Computer Lab

Separate computer lab with 34 Computers, Wi-Fi connectivity Weather and Air Quality Monitoring System CO, NO_x, HC, SO_x, O₃ analyzers); Automatic Weather station.

Under Process for procurement: Ion Chromatograph, PCR, Rotary Evaporator,

Department of Microbiology

A separate microbiology laboratory was setup with all the basic facilities. Department is in process of getting state-of-art research equipments to facilitate on-going research projects:

- i. Digital pH meter
- ii. Vortex mixer
- iii. Autoclave
- iv. Digital hot plates
- v. Western blot unit
- vi. Digital micro-weighing balance
- vii. Magnetic stirrer
- viii. Circulating water bath
- ix. Mini centrifuge
- x. UV-transilluminator
- xi. UV-Vis spectrophotometer
- xii. -20 Freezer
- xiii. -80 Freezer
- xiv. BOD incubator with shaker
- xv. Real time PCR
- xvi. Gradient PCR machine
- xvii. Refrigerated Centrifuge
- xviii. Incubator
- xix. Laminar air flow

Department of Management

University has provided sophisticated Computer Lab for carrying out research work at CURAJ. The Computer lab has following Software available:

Computer Lab with 24 Computer Systems with i7 Processor, Printer, Fax, LAN , latest Software like SPSS, E- views etc

Department of Pharmacy

FTIR, UV spectrophotometer, Drug Design Software, Microwave Synthesizer, HPLC, PrepHPLC, Digital Weighing balance, Flash Rota Evaporator, Melting Point Apparatus, Ultracentrifuge, microplate reader, Deep freezer, CO2 incubator, Gel Electrophoresis System, Western Blotting Apparatus, Autoclave.

Department of Physics

In the department we have facilities for bulk sample synthesis, thin film preparation, fiber optics; however, there are no facilities for sample characterization.

Department of PPLG

Library facilities, selective online resource base and computer laboratory are available for the faculty members and the students.

3.4. Research Publications and Awards

3.4.1. Does the University publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

At present Central University of Rajasthan does not publish any research journal. A few Departments e.g. Department of Culture and Media Studies and Department of Social Works publish quarterly magazines. Other Departments are also making efforts to initiate in house publication that would later on give scope for publication of Research Journals.

3.4.2. Give details of publications by the faculty:

- **Number of papers published in peer reviewed journals (national / international) –**

Faculty of Central University of Rajasthan have published more 293 reseasech/ review papers in peer reviewed journals during last 4- 5 years. A comprehensive list of research/ review publication is as follows:

1. Gaharwar B, Gour S, Kaushik V, Gupta N, Kumar V, Hause G, Yadav JK, Assessment of the effect of macromolecular crowding on aggregation behaviour of a model amyloidogenic peptide. *Protein Pept. Lett.* 22(1):87-93, 2015.
2. Jamasbi J, Megens RTA, Bianchini M, Münch G, Ungerer M, Faussner A, Sherman S, Walker A, Goyal P, Jung S, Brandl R, Weber C, Lorenz R, Farndale R, Elia N, Siess W, Differential inhibition of human atherosclerotic plaque- induced platelet activation by dimeric GPVI-Fc and anti-GPVI antibodies: functional and imaging studies. *JACC* (accepted) 2015.
3. Pandey J*, Khan F, Mahajan V, Pant M, Jain RK, Pandey G. Evidence for vital role of endo- β -N-acetylglucosaminidase in the resistance of *Arthrobacter protophormiae* RKJ100 towards elevated concentrations of o-nitrobenzoate. *Extremophiles* 18(3):491-500, 2014.
4. Kumar ST, Meinhardt J, Fuchs AK, Aumüller T, Leppert J, Büchele B, Knüpfer U, Ramachandran R, Yadav JK, Prell E, Morgado I, Ohlenschläger O, Horn U, Simmet T, Görlach M, Fändrich M. Structure and biomedical applications of amyloid oligomer nanoparticles. *ACS Nano.* 8(11):11042-52, 2014.
5. Shariq M. Usmani, Onofrio Zirafi, Janis A. Muller, Nathallie L. Sandi-Monroy, Jay K. Yadav, Christoph Meier, Tanja Weil, Nadia R. Roan, Warner C. Greene, Paul Walther, K. Peter R. Nilsson, Per Hammarstrom, Ronald Wetzell, Christopher D. Pilcher, Friedrich Gagsteiger, Marcus Fandrich, Frank Kirchoff & Jan Munch. Direct visualization of HIV-enhancing endogenous amyloid fibrils in human semen. *Nat. Commun.*, 5:3508, 2014.
6. Brünnert D, Sztachelska M, Bornkessel F, Treder N, Wolczynski S, Goyal P*, Zygmunt M, Lysophosphatidic acid and Sphingosine 1-phosphate metabolic pathways and their receptors are differentially regulated during decidualization of human endometrial stromal cells. *Mol Hum Reprod* 20(10): 1016-25, 2014
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- KE, Mustea A, (2014) Polymorphism of the IL-8 gene and the risk of ovarian cancer. *Cytokine* 71(2): 334-8, 2014.
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 9. Mund R., Panda N., Nimesh S., Biswas A., Novel titanium oxide nanoparticles for effective delivery of paclitaxel to human breast cancer cells. *J. Nanopart. Res.*16, 2739, 2014.
 10. Das D., Yang Y., O'Brien J., Breznan D., Nimesh S., Bernatchez S., Hill M., Sayari A., Vincent R., Kumarathanan P., Synthesis and Physio-chemical Characterization of Mesoporous SiO₂ Nanoparticles. *J. Nanomater.* 2014
 11. Tapryal S, Gaur V, Kaur KJ, Salunke DM, Structural evaluation of a mimicry-recognizing paratope: plasticity in antigen-antibody interactions manifests in molecular mimicry. *J Immunol.*1;191(1):456-63, 2013.
 12. Vikram S, Pandey J, Kumar S & Raghava GP, Genes Involved in Degradation of para-Nitrophenol Are Differentially Arranged in Form of Non-Contiguous Gene Clusters in *Burkholderia* sp. strain SJ98. *Plos One*, 8(12):e84766, 2013.
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 15. Sekhar PM, Yadav JK, Preferential interaction of β -globulin from sesame seeds (*Sesamum indicum* L.) with cosolvents is accompanied by the protein structural reorganization. *Protein Pept. Lett.*, 20: 510-520, 2013.
 16. Yadav JK, Macromolecular crowding enhances catalytic efficiency and stability of α -amylase. *ISRN Biotech.*, 2013
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- **Number of Monographs published –**

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9. G. Somani, S. Chaudhary, "Application Performance Isolation in Virtualization", IEEE Int'l Conference on Cloud Computing, pp. 41-48, 2009.
10. G. Somani, A. Agarwal, S. Ladha, "Overhead Analysis of Security Primitives in Cloud", International Symposium on Cloud and Services Computing (ISCOS) , pp. 129-135, 2012.
11. Ravi Saharan, Monica Bhandari, "Analysis of 2D Fragment", National Conference on Recent Advances in Electronics Telecommunication and Computing Controlled Technologies, NCET-CCT, 2010.
12. Muzzammil Hussain, Mamidi Sreenivas, Kamalakar Ramineni, "Secure Multicasting Model For Interactive Group Communication,", Proceedings of International Conference on advance Computing and Creating Entrepreneurs organized by Geetanjali Institute of Technical Studies, Jaipur, February 2010.
13. Kamalakar Ramineni, Muzzammil Hussain, Dr A Vinay Babu, "Evolutionary approaches and Contextual models (CIR, PCM & CMM) of Information retrieval system", Proceedings of International Conference on Advances in Mathematical and computational methods, ACCM –organized by SPMVV, Tirupati, 2011.
14. J Ashok, A Sadanandam and Muzzammil Hussain, "Security of Web Applications Using Efficient Group Key Management", Proceedings of International Conference on Systemics, Cybernetics and Informatics (ICSCI 2010) organized by Pentagonam Research Centre Pvt. Ltd., Hyderabad, January 2010.
15. Muzzammil Hussain, R Kamlakar, J Ashok, "Secured, authenticated Communication Model For Dynamic Multicast Groups", Proceedings of International Conference on Systemics, Cybernetics and Informatics (ICSCI 2010) organized by Pentagonam Research Centre Pvt. Ltd., Hyderabad, January 2010.
16. Kamalakar Ramineni, Muzzammil Hussain and Prof A Sadanandam, "A Progressive Approach to Multicast Cryptosystems", Proceedings of National Conference on Recent Trends in Network Security and Cryptography at PES Institute of Technology, Bangalore. October 2009.
17. Muzzammil Hussain, Kamalakar Ramineni and Mamidi Srinivas, "A theoretical Approach to Link mining for personalized search", Proceedings of National Conference on Intelligent Systems and Communications at SPMVV, Tirupati. 2011

18. Kamalakar Ramineni, Muzzammil Hussain and M Chandrapal, "Tools for Web-Based Retrieval and Ranking", Proceedings of National Conference on Intelligent Systems and Communications at SPMVV, Tirupati. 2011
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21. G.Mahajan, A.Singh, "Software Cloning and Detection Techniques", ICCIEMI, 2012.
22. Mandal CC*, Ghosh-Choudhury G and Ghosh-Choudhury N (2013) Simvastatin inhibits Osteoclastogenic Factors to block Osteolytic Bone Metastasis of Breast Cancer, 4th International Conference on Stem Cells and Cancer, Bombay, India [Oral presentation], 2013.
23. Sharma T, Parihar N , Nath S, Singh A, Kaur S, Singh S, and Mandal CC* (2013) A Non-toxic Approach to Prevent Secondary Effects of Chemotherapies, Bioquest 2013, Elsevier, Kerala, India. [Oral Presentation], 2013.
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26. Vishvanath Tiwari and Rajeswari R Moganty. Stable conformation of OXA-51 β-lactamase shows its association with carbapenem resistance in Acinetobacter baumannii" on International Conference on "Protein Folding and Diseases". 8-10 Dec 2012 at Jamia Millia Islamia, New Delhi. 2012.
28. Vishvanath Tiwari and Rajeswari R Moganty. Analysis of membrane proteins→ the key players of bacterial antibiotic resistance: Proteomics, Biochemical and Biophysical approach" on "Third International Conference on Natural Polymers and Biomaterials". 26-28Oct, 2012 at M.G.U. Kottayam, Kerala. 2012.
29. Panda, Gyana Ranjan & Subrat Das, How Responsive is the Union Budget to MDG's?, New Delhi: Centre for Budget and Governance Accountability, 2010.
30. Panda, Gyana Ranjan (2010), Budget and Budgetary Processes in the Parliament of India, Islamabad: Pakistan Institute of Legislative Development and Transparency, 2010.

31. Ganguly, Kaushik and Panda, Gyana Ranjan, *Adaptation to Climate Change: A Study of Union Budgets*, New Delhi: OXFAM India & Centre for Budget and Governance Accountability. 2010.
32. Kapoor, Aditi, Saumya Shrivastava & Gyana Ranjan Panda, *Climate Change Adaptation in Four Indian States: The Missing Gender Budgets*, New Delhi: Alternative Futures, Centre for Budget and Governance Accountability (supported by CDKN & DFID), 2014.
33. Shrivastava, Saumya & Gyana Ranjan Panda, *Public Spending towards Harnessing Renewable Energy in India*, New Delhi: Centre for Budget and Governance Accountability (supported by Shakti Sustainable Energy Foundation), 2014.
34. Panda, Gyana Ranjan & Narendra Jena, *Framework and Performance of National Clean Energy Fund (NCEF)*, New Delhi: Centre for Budget and Governance Accountability (supported by Shakti Sustainable Energy Foundation). 2012.
35. Panda, Gyana Ranjan, *Civil Society interface with the Budgetary Processes in India: Practices and Challenges*, Islamabad: Pakistan Institute of Legislative Development and Transparency, (ISBN:978-969-558-254-1), 2012.
36. Ganguly, Kaushik & Gyana Ranjan Panda (2010), *Adaptation to Climate Change: On Some Issues in Framework and Finances in India*, New Delhi: Centre for Legislative Research and Advocacy, March 2010.

- **Number of Chapters in Books-**

Faulty members of Central University of Rajasthan have published **23** chapters in Books published by National and International Publishers.

1. Chaturvedi, V. Dhruw, C. Verma, P. *Biotechnological Application for Environmental Protection*, Chapter: Microbial Transformation of Waste: A Clean Technology for Energy Generation by Employing Microbial Fuel Cell (MFC) - A Review, Springer (2014).
2. A. Akcil, C.S. Gahan. *Application of Industrial Waste in Biohydrometallurgy: A Review on Its Use as Neutralising Agent and Potential Source for Metal Recovery*, In: *Microbiology for Minerals, Metals, Materials and Environment*, Abhilash, B. D. Pandey, K. A. Natarajan (Eds.), CRC Press, Taylor and Francis group. Chapter 9, 186-208, ISBN 9781482257298. (2014).
3. C.S. Gahan, J.E. Sundkvist, F. Engström, Å. Sandström. *Investigation of Industrial oxidic by-products as neutralizing agents in biooxidation of a refractory gold concentrate and their influence on gold and silver recovery by cyanidation*. In: *Industrial and Environmental Biotechnology*, K. Pramanik and J.K. Patra (Eds.), Studium Press (India) Pvt. Ltd. New Delhi, India, ISBN-1-62699-014-1, pp. 33-44. (2014).
4. A. Akcil, C.S. Gahan, C. Erust, A. Tuncuk. *Influence of chloride on the Chemolithotrophic acidophiles in Biohydrometallurgy: A review* In:

- Industrial and Environmental Biotechnology, K. Pramanik and J.K. Patra (Eds.), Studium Press (India) Pvt. Ltd. New Delhi, India, ISBN-1-62699-014-1, pp. 45-69. (2014).
5. H. Srichandan, D.J. Kim, C.S. Gahan, A. Akcil. Microbial Extraction Metal Values from Spent Catalyst: Mini Review. In: Advances in Biotechnology, H.N. Thatoi (Ed.), Studium Press (India) Pvt. Ltd, New Delhi, India, ISBN-1-62699-014-1 pp. 225-239. (2013).
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 7. C.S. Gahan, M.L. Cunha, J.E. Sundkvist, Å. Sandström. Application of Industrial Oxidic By-products as Neutralising Agent in Bioleaching. In: Microbial Biotechnology, 1st Edition, ISBN 10: 8131308499, ISBN 13: 9788131308493, B.B. Mishra and H.N. Thatoi (Eds.), APH Publishing Corporation, 4435-36/7, Ansari Road, Darya Ganj, New Delhi. India, pp. 254-297. (2010)
 8. C.S. Gahan. Possibilities to use industrial oxidic by-products as neutralising agent in bioleaching and the effect of chloride on biooxidation. Doctoral Thesis. Luleå University of Technology. ISSN 1402-1544 / ISBN 978-91-7439-049-0. (2009).
 9. Kandaswamy, S. Issues of Copyright in Digital World and Remoteness of Solutions, Library Science – Aadhar Pub, Amravati. First Edn. 2012.
 10. Kandaswamy, S. Consumer Behaviour and Consumer Protection in India: A Legal Perspective, Management Issues and Challenges – Paramount Publishing House, New Delhi, Hyderabad, First Edn. 2012.
 11. Kandaswamy, S. Economic Empowerment as a Measure of Women's Liberty, Women Empowerment Vol-I Aadhar Pub. Amravati, 2012.
 12. Kandaswamy, S. Opportunities in Higher Education under Public Private Partnership, Indian Economy – Aadhar Pub. Amravati First Edn. 2012.
 13. Kandaswamy, S. Consumer Behaviour and Green Consumerism, in Emerging Trends in Consumerism in India, 2012.
 14. Panda, Gyana Ranjan, Saumya Shrivastava & Aditi Kapoor. Climate Change and Gender: The Study of Adaptation Expenditure in Select States of India, in Walter Lela et al (ed.) Handbook of Climate Change Adaptation, Springer-Verlag Berlin Heidelberg . DOI 10.1007/978-3-642-40455-9_127-1. (2014).
 15. Panda, Gyana Ranjan & Kaushik Ganguly. "Public Policy on Climate Change and Environmental Protection in India: Some Key Issues and Challenges," in Yamini Mishra, Gyana Ranjan Panda, & Colin Gonsalves (eds.) (2009), Human Rights and Budgets in India, New Delhi: Human Rights Law Network. (ISBN: 818947958X). (2009).

16. Panda, Gyana Ranjan. "Rights to Drinking Water and Sanitation," in Yamini Mishra, Gyana Ranjan Panda, & Colin Gonsalves (eds.) (2009), Human Rights and Budgets in India, New Delhi: Human Rights Law Network. (ISBN: 818947958X). (2009)
17. Panda, Gyana Ranjan. "Public Provisioning in Water and Sanitation Services for Urban Slums in Delhi", in Shalini Saksena (ed), "India in the Post-Liberalisation Era", New Delhi: Apple Books. (ISBN 978-81-920778-5-7) (2013).
18. Panda, Gyana Ranjan. Social Sector Budgeting in Odisha, in Arun Mohanty et al (Eds), Contemporary Odisha: Realities & visions, New Delhi: Axis Books Pvt. Ltd. (ISBN:978-9381302-37-8), (2011).
19. Agarwala, Trisha and Panda, Gyana Ranjan. Gender Responsive Budget Analysis in Water and Sanitation: A Study of Two Resettlement Colonies in Delhi, in Kathryn Travers et al. 'Gender and Essential Services in Low-income Communities: Report on the findings of the Action Research Project- Women's Rights and Access to Water and Sanitation in Asian Cities', Montreal: Women in Cities International (Canada), ISBN 978-0-9736972-8-5. (2011).

Number of Books edited

Faculty members of Central University of Rajasthan have edited a number of books during last 4 years. A list of few representative edited books is as follows:

S. No.	Name of book	Faculty	Publisher
1	Carbapenemase & Membrane Proteome of Acinetobacter	Dr. Vishvanath Tiwari	LAP LAMBERT Academic Publishing, Germany (ISBN-978-3-659-12709-0)
2	Scheduling and Isolation in Virtualization	Gaurav Somani	VDM Verlag Dr. Muller Publishers, Germany
3	Advanced Research in Computing	Muzzammil Hussain	Allied Publishers Pvt. Ltd., New Delhi
4	Reservation policy : Issues and Implementation	Dr. S.N. Ambedkar	Jaipur : ABD Publishers, 2008 ISBN-978-81-8376-157-4
5	Role of Women in Panchayati Raj.	Dr. S.N. Ambedkar	Jaipur : ABD Publishers, 2006 ISBN-81-8376-051-1
6	Primary Health Care Policy	Dr. S.N. Ambedkar	Jaipur : ABD Publishers, 2006 ISBN-81-8376-074-0

S. No.	Name of book	Faculty	Publisher
7	Women Empowerment and Panchayati Raj	Dr. S.N.Ambedkar	Jaipur : ABD Publishers, 2005 ISBN 81-89011-49-9
8	New Panchayati Raj at Work	Dr. S.N.Ambedkar	Jaipur : ABD Publishers, 2000 ISBN-81-85771-10-3
9	Integrated Rural Development Programme : Implementation Process	Dr. S.N.Ambedkar	Jaipur : Rawat, 1994 ISBN 81-7033-226-8

- **Number of Books with ISBN with details of publishers:**
- **Number of listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.):**
- **Citation Index- range/ average:**
- **SNIP:**
- **SJR:**
- **Impact Factor- range/ average:**
- **H- index/ i10 index:**

Note: This information is reflected in the Evaluation Report of the Departments

3.4.3. Give details of:

- **Faculty serving on the editorial boards of national and international journals:**

S. No.	Concern Faculty	Committee/ Journal	Membership Status
1.	Prof. A. K. Gupta	Asian Journal of Microbiology, Biotechnology & Environmental Sciences	Editorial Board
2.	Dr. Janmejy Pandey	Open Access Journal of Biotechnology	Advisory Editor
3.	C. Jeevan Kumar	Public Affairs and Governance Journal	Associate Editor
4.	Dr. Gyana Ranjan Panda	International Journal of Diplomacy and Economy (Inderscience Publishers)	Editorial Board Member
5	Dr. Vishvanath Tiwari	BIOINFO-Journal of Proteomics, USA	Associate Editor
6.	Dr. Vishvanath Tiwari	Journal of integrated OMICS, Spain	Associate Editor

S. No.	Concern Faculty	Committee/ Journal	Membership Status
7.	Dr. Vishvanath Tiwari	J of Proteomics & Bioinformatics, USA	Editorial Board Member
8.	Dr. Vishvanath Tiwari	Frontiers in Microbiology, USA	Editorial Board Member
9	Dr. Vishvanath Tiwari	Indian Science Congress Association, India	Life Member
10.	Dr. Vishvanath Tiwari	Society of Biological Chemists, India	Life Member
11	Dr. Vishvanath Tiwari	Indian Biophysical Society, India	Life Member
12	Dr. Vishvanath Tiwari	DNA Society of India, India	Life Member
13.	Dr. Vishvanath Tiwari	Association of Microbiologists of India	Life Member
14.	Dr. Chandi C Mandal	Indian Association of Cancer Research (ICAR)	Member
15.	Dr. Chandi C Mandal	Institutional Ethical Committee at Central University of Rajasthan	Member Secretary
16.	Dr. Chandi C Mandal	Institutional Biosafety Committee at Central University of Rajasthan	Member
17.	Dr. Chandi C Mandal	Frontier Endocrinology	Associate Editor
18.	Dr. Chandi C Mandal	Journal of Cancer Science and Therapy	Editorial Board Member
19.	Dr. Chandi C Mandal	Carcinogenesis and mutagenesis	Editorial Board Member
20.	Dr. Chandi C Mandal	American Journal of Biomedical Research	Editorial Board Member
21.	Dr. Chandi C Mandal	Applied Scientific Reports	Editorial Board Member
22.	Dr. Chandi C Mandal	American Journal of Cancer Prevention	Editorial Board Member
23.	Dr. Chandi C Mandal	Journal of Cancer Research and Treatment	Editorial Board Member
24	Dr. Chandi C Mandal	American Journal of Food and Nutrition	Editorial Board Member
25	Dr. Chandi C Mandal	Future Science Open	Editorial Board Member
26	Dr. Chandi C Mandal	International Journal of Clinical Biochemistry and Research	Editorial Board Member

S. No.	Concern Faculty	Committee/ Journal	Membership Status
27	Dr. Chandi C Mandal	Indian Journal of Pathology and Oncology	Associate Editor
28	Dr. Vijay Kumar Prajapati	The Journal of Infection in Developing Countries (IF-1.3)	Advisor to Editorial board
29	Dr. Vijay Kumar Prajapati	Journal of Molecular Biomarkers & Diagnosis (IF-1.98)	Member of Editorial board
30	Dr. Vijay Kumar Prajapati	Journal of Infectious Diseases and Therapy	Member of Editorial board
31	Chandra Sekhar Gahan	International Journal of Biometrics and Bioinformatics, Computer Science Journals (CSC Journals), Kuala Lumpur, Malaysia	Editorial Board Member
32	Chandra Sekhar Gahan	International Journal of Petroleum Technology, Avanti Publishers, USA	Editorial Board Member
33	Chandra Sekhar Gahan	Research Journal of Microbiology, Publisher: Academic Journals Inc., USA, pISSN: 1816-4935	Editorial Board Member
34	Chandra Sekhar Gahan	Research Journal of Environmental Sciences, Publisher: Academic Journals Inc., USA eISSN: 2152-8238, pISSN: 1819-3412	Editorial Board Member
35	Chandra Sekhar Gahan	Asian Journal of Biotechnology, Publisher: Academic Journals Inc., USA, pISSN: 1996-0700	Editorial Board Member
36	Chandra Sekhar Gahan	Singapore Journal of Chemical Biology, Publisher: Academic Journals Inc., USA, eISSN: 2010-0108, pISSN: 2010-0094	Editorial Board Member
37	Chandra Sekhar Gahan	Microbiology Journal, Publisher: Academic Journals Inc., USA, eISSN: 2153-0718, pISSN: 2153-0696	Editorial Board Member

- **Faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies.**

At present none of the faculty members serve as the member of the steering committees of international conference recognized by reputed organization/ societies.

3.4.4 Provide details of:**• Research awards received by the faculty and students:**

Faculty and Students of Central University of Rajasthan have received a number of research awards during last four year. A list of research awards received by faculty members of the University is as below:

- Dr. Vijay Kumar Prajapati, Ranbaxy Science Scholar-2011
- Dr. Vijay Kumar Prajapati, Felicitation Award, Central University of Rajasthan, India, 2014.
- Dr. Chandi C Mandal, Postdoctoral Fellowship award, Cancer Prevention and Research Institute of Texas, USA. 2010
- Dr. Chandi C Mandal, 2nd Place Winner (In Recognition of Excellent Research Work) in 3rd Annual Symposium of Cancer Therapy & Research Center (CTRC), San Antonio, Texas, USA. 2010
- Dr. Chandi C Mandal, Young Investigator Travel Grant Recipient in 32nd Annual Meeting of the American Society for Bone and Mineral Research (ASBMR), Toronto, Canada. 2010
- Dr. Vishvanath Tiwari, Felicitation Award, Central University of Rajasthan, India, 2014
- Dr. Akhil Agrawal, a faculty member of the Department of Microbiology was awarded with Rs. 10,000 for the REIL award for energy research at 3rd Rajasthan Science Congress held on February 28th –March 2nd, 2015 at Manipal University, Jaipur, Rajasthan, India.
- Dr. Chandra Sekhar Gahan, a faculty member of the Department of Microbiology was awarded for the Best Oral Presentation among all the presentation delivered on various technical sessions of 3rd Rajasthan Science Congress held between February 28th –March 2nd, 2015 at Manipal University, Jaipur, Rajasthan, India
- Dr. Chandi C Mandal, Felicitation Award, Central University of Rajasthan, India, 2014
- Dr. Chandi C Mandal, Internal Travel Award, DST, 2014

3.4.5. National and international recognition received by the faculty from reputed professional bodies and agencies.

At present none of the faculty member of the University have received any recognition from the National or International professional bodies/ agencies of repute.

3.4.6. Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the University participate in Shodhganga by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?

Not applicable: Since, Central University of Rajasthan is a newly established University; many of the faculty members have recently joined University on regular position. Further, many Departments have only recently started the

Research Programmes (Ph.D. courses). Therefore, at Central University of Rajasthan no scholar has yet completed thesis. The first batch of Ph.D. students is expected to submit thesis during 2016- 17 academic session. Assessment of the average number of successful Ph.D. scholar guided per faculty during four years would be calculated and reviewed subsequently.

3.4.7. What is the official policy of the University to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

Central University of Rajasthan has implemented 'no tolerance' policy for malpractices and plagiarism in research. University follows a policy of checking the malpractices and plagiarism in research at various levels. Student projects are regularly monitored by Departmental SRC. Department faculty members use plagiarism detector programs to evaluate the dissertation thesis submitted by student. Similarly research project/ studies being carried out by different faculty members are also monitored. Till date, department has not found any case of plagiarism. To meet the objectives in this regard, Central University of Rajasthan has procured "Anti- Plagiarism" software and it is used for assessment of all research proposals, reports, thesis submitted by both faculty and students. Till date no case has been reported for plagiarism at Central University of Rajasthan.

3.4.8. Does the University promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?

Yes, Central University of Rajasthan promotes and encourages its faculty and students to carry out inter-disciplinary research. A number of inter-departmental and inter-institutional interdisciplinary collaborative researches have been undertaken by the faculty members. A list of collaborative projects undertaken by University faculty is given below:

Sl.No.	Name of the Collaboration	National/ International	Major funding agency	Type of support from CURaj
Department of Biotechnology				
1	SOL Genome Initiative – Phase II	National	Department of Biotechnology, Govt. of India	Basic Infrastructure
Department of Chemistry				
1	Prof. R. T. Pardasani Scientific collaboration with Prof. Tulsi Mukherjee, BARC (2009-13)	National	BRNS	Major Research Collaboration
2	Scientific collaboration with Prof. Keith Smith, Cardiff University, UK	International	Under Processing	Departmental Collaboration

3	Scientific Collaboration with Prof. Kent R. Mann, University of Minnesota, Minneapolis, Minnesota (Dr. Raghu Chitta)	International	Central University of University	Basic Infrastructure
4	DST-RFBR (Dr. Easwar Srinivasan)	International	DST	Basic Infrastructure
5	Dr. Srinivas Yaragola -with Dr Tarun, Biotech, CURAJ	National	BRNS	
Department of Environmental Sciences				
1	National Physical Laboratory, New Delhi.	National	Collaborative Study	Instruments Provided for Sampling
2	National Institute of oceanography, Goa.	National	Collaborative Study	Instruments Provided for Sampling
3	National Atmospheric Research Laboratory, Tirupati.	National	Collaborative Study	Installation of GPS unit at CURaj.
Department of Microbiology				
1	Dr. Pawan Dadheech	International	Leibniz-Institute of fresh water ecology and inland fisheries, Germany	Collaborative Research
2	Dr. Pradeep Verma	National	GGU, Bilashpur, Chattisgarh Central University of Assam	Collaborative Research
3	Dr. Akhil Agrawal	National	Cairn India Pvt Ltd.	Basic infrastructure required for research
Department of Management				
1	MOU of Department of Management, CURAJ with Institute of Public Enterprise, Hyderabad	National	-	-

2	MOU of Department of Management, CURAJ with GENPACT	International	-	-
Department of Mathematics				
1	H. M. Srivastava, Univ. of Victoria, Canada	International	-	Nil
2	J. Sokol, Rzeszow University of Technology, Poland	International	-	Nil
3	M.K. Aouf, Mansoura University, Egypt	International	-	Nil
4	Georgia Irina Oros, University of Oradea, Romania	International	-	Nil
5	Roxana Sendrutiu, University of Oradea, Romania	International	-	Nil
6	T. Bulboaca, Babes-Bolyai University, Romania	International	-	Nil
7	S. Ponnusamy, Indian Statistical Institute (Chennai Centre), Chennai	National	-	Nil
8	R. K. Raina, M.P. University of Agriculture and Technology, Udaipur	National	-	Nil
9	Ritu Agarwal, Dept. of Mathematics, MNIT, Jaipur	National	-	Nil
10	Shashi Kant, Government Dungar College, Bikaner	National	-	Nil
11	Deepak Bansal, College of Engg. and Technology, Bikaner	National	-	Nil
12	Amit Soni, Government Engineering College, Bikaner	National	-	Nil
13	Ambuj K. Mishra, GLA University, Utter Pradesh,	National	-	Nil
14	Bai-Lian Li, University of	International	-	Nil

	California, Riverside, USA			
Department of Physics				
1	IIT Jodhpur	National	MHRD	Infrastructure
2	CEERI Pliani	National	MHRD	Infrastructure
3	IFW Dresden, Germany	International		Infrastructure
4	NIIST Thiruvananthapuram	National		Infrastructure
5	CU Pondicheery	National		Infrastructure
6	IIT Mandi	National		Infrastructure
7	IIT Bhubaneswar	National		Infrastructure
8	Univ. of Rajasthan	National		Infrastructure
Department of Statistics				
1	University of Sheffield, UK	International	Collaborative Study	Basic Facilities
2	Department of Quantitative Methods and TiDES Institute. University of Las Palmas de Gran Canaria. Spain	International	Collaborative Study	Basic Facilities
3	IRDA, Hyderabad	National	Collaborative Study	Basic Facilities

A number of other such interdisciplinary research projects are in the process of being proposed for funding.

3.4.9. Has the University instituted any research awards? If yes, list the awards.

No, Central University of Rajasthan has not yet instituted any research awards.

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

Central University of Rajasthan provides constant encouragement for all its faculty members to apply for and receive recognition for their research contributions. University provides all administrative and logistic support required for the same.

3.5. Consultancy

3.5.1. What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the University during the last four years.

Although, Central University of Rajasthan is yet to develop policy for structure consultancy, yet the faculty members of the University are encouraged to take up active consultancy services of various natures from academic, institutional and industrial set-ups. During last four years a number of MoUs

have been signed by different Departments of University with industry and corporate houses in this regard.

3.5.2. Does the University have a University-industry cell? If yes, what is its scope and range of activities?

The Central University of Rajasthan has established a "University Industry Consultancy Centre (UICC)" with objectives to:

- (a) Create a data base on the needs of Industries, other organization and Deptt. of Govt. in the country and launch an Industrial Associateship programme.
- (b) Coordinate R&D projects between University departments and Industries in the area of Product/process development and technology transfer.
- (c) Assist in signing of MOU and development of IPR/patents by the University faculty based on their products and processes.
- (d) Offer testing/material characterization and certification facilities.
- (e) Offer training programmes for small/medium scale industries certificate/diploma courses relating to professionally oriented fields.
- (f) Develop specialized continuing education programmes for industrial and social action agencies.

3.5.3. What is the mode of publicizing the expertise of the University for Consultancy Services? Which are the departments from whom consultancy has been sought?

Central University of Rajasthan uses University Web-Site Portal for publicized the expertise of University faculty. The academic and research profiles of each faculty member of the different Department is listed under the tab of "Faculty" on the home- page of University Web site. Through such arrangement different Departments of the University have been contacted for seeking consultancy.

Faculty members of Central University of Rajasthan are permitted to offer consultancy under following mechanisms:

- (a) Institutional Consultancy. Institutional consultancy relates to advice rendered to an industry/organization, or work done for them, by a department/group/individual on behalf of the University. The Principal Consultant is identified by the Vice-Chancellor, or by a person authorized by him, namely the Dean.
- (b) Individual Consultancy provided to the individual faculty who is collaborating with the Industry.
- (c) Technical Services. Technical Services Consultancy may be for the University equipment, but consumables or other materials are not required.

3.5.5 List the broad areas of consultancy services provided by the University and the revenue generated during the last four years.

During last four years, the only consultancy service provided by University has been in the area of execution of a research project (in the field of Petroleum Microbiology). This consultancy has generated revenue worth Rs. 6.0 Lacs in form of research project grant.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the University sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

Ever since its inception, Central University of Rajasthan has been conducting regular extension and out-reach activities. University faculty members and students have participated in activities related to social cause and contribute towards neighbourhood villages (Mundoti, Bandarsindri, Patan, Do-gao etc.). Faculty members and students of the University have organized "Cleanliness Campaign", "Social Awareness Programmes", etc. in neighboring villages.

Central University of Rajasthan has established a "Day Care Centre" for imparting necessary care to young children of construction workers involved in the construction activities at the University Campus. University students (most specifically from Department of Social Works) under guidance of faculty members make regular visits to this Day Care Centre to help with the day to day activities of the Centre. There are approximately 25 young children in this day care centre.

Central University of Rajasthan celebrates days of national importance e.g. Republic Day, Independence Day, Gandhi Jayanti with sense of festivity and zeal. In these celebrations, University invites residents of nearby villages to promote social inclusiveness and also for promotion of the University activity.

At Central University of Rajasthan, a number of different departmental clubs have been formulated. As part of their activities, these clubs also organize activities related to social well-being. A few of such activities include:

- Blood Donation Camp
- Save Food and Minimize food wastage Camp

At Central University of Rajasthan Staff and Students are regularly informed and sensitized about maintaining high moral values and practicing good moral behavior. University has adapted mechanisms for ensuring that the Campus of Central University of Rajasthan remains "Ragging Free Campus", "Gender Equal Campus" and "Non-discriminatory Campus".

As part of the out reach programmes of the "Innovation Club", the faculty and student members of Central University Innovation club have visited several neighbouring villages to identify and locate 'ground level innovations' made by grass root innovators. Further, the University Innovation Cell in collaboration with **National Innovation Foundation (NIF)** plans to provide foundation for grass root innovators with platform to get their innovations protected for Intellectual Property (Patent) and also commercialized through partnership with corporate houses.

3.6.2 How does the University sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

Central University of Rajasthan is located in a remote location, which is surrounded by village; therefore, there is regular interaction between people from neighbouring villages and faculty/ students of the Central University. Also, a number of students admitted to the University during last 2- 3 academic sessions belong to the neighbouring villages. Faculty members and students of nearly all the Departments and most specifically of Departments of Culture and Media Studies, Department of Social Works visit neighbouring village regularly. University faculty and students participate in the festivals organized by villagers, while villagers participate in the University functions (including Republic Day Celebration, Independence Day Celebration, Gandhi Jayanti Celebration, Annual Day Festival, and Maru-kritti etc.). These activities and interactions have greatly helped in development of a strong network between faculty members/ students and the residents of the neighbouring villages.

To augment it further, the newly recruited faculty and newly admitted students are informed about the location specific requirements of the University by means of 1/2 day faculty orientation/ 1 day student orientation programmes. In these interactions, faculty and students are informed about the socio-cultural aspects of the neighbouring villages. These orientations have also helped in faculty and students of C.U. Rajasthan in understanding the necessity of having strong association/ network with the residents of neighborhood.

3.6.3 How does the University promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?

Since, Central University of Rajasthan is relatively young University, a fully organized system for participation of students and faculty in extension activities through NSS, NCC, YRC and other national/ international programmes is not in place as yet. However, University is making best efforts for getting recognition from organization conducting such extension activities/ programmes.

Central University of Rajasthan has already established a NSS wing (during academic session 2013- 14) under the guidance of the Office of Dean Student Welfare. Many students have joined the programme and participated in activities conducted.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the University to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

Due to its geographical location, the Central University of Rajasthan is ideally placed for carrying out social-surveys; research and extension work on empowerment of underprivileged and vulnerable sections of the society.

Faculty members and students of Department of Culture and Media, Department of PPLG and Department of Social Works have conducted a number of surveys and taken up research work for addressing the issues and concerns related to underprivileged section of neighbouring villages.

3.6.5 Does the University have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?

Although, Central University of Rajasthan does not a well defined and documented mechanism to track students' involvement in social movements and activities to promote their citizenship role, yet both students and faculty members are well aware of their responsibilities in this regard. Also, both students and faculty actively participate and contribute to social cause.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the University, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

In order to complement the students' academic learning experience, the University organizes extension activities e.g. interactive sessions amongst themselves, with faculty, guest faculty, visiting faculty, other visitors and residents from neighbouring villages etc. University also promotes its students to have organize exertion trips, cultural fests, intra- University sports events, departmental celebrations, and community service visits etc. through collective efforts.

These mechanisms helped the students in developing inter-personal skills and understand the importance of working as a team member, helping one another and community contributions for their holistic development.

3.6.7 How does the University ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the University which have encouraged community participation in its activities.

The Central University of Rajasthan has not yet taken up any community development activity through its schools or departments. However, University has proposed to develop Community- College for imparting practical training to students and drop- outs of the neighbouring localities. This approach would render improved employability to students belonging to poor and weak section of the society.

Central University of Rajasthan has also proposed to start a Central School within University premises. This would help young children of neighbouring villages to acquire high quality education that is not available to them so far.

3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

The Central University of Rajasthan has been awarded with "GRIHA" rating award for – water harvesting activities being carried out at University Campus. The harvest water is being used for the construction work and other

day to day activities of the University. Noticeably, this approach has help in minimizing the water supply load of the neighbouring villages and thus indirectly promoted community services.

3.7. Collaboration

3.7.1. How has the University's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the University benefitted academically and financially because of collaborations?

Central University of Rajasthan is emerging as an young and dynamic University which is expected to be self- sustainable in all senses, yet, through its collaboration with other Univeristies/ Institutions of national and internation repute, Central University of Rajasthan is expected to have increase visibility and identity amongst the academic feternity. Therefore, Central University of Rajasthan has taken sincere efforts for establishing collaborations with various agencies for academics, research, extension and out reach activities. These agencies include Universities and Resarch Institutes of India and abroad, Industries and corporate houses etc. Some of the major collaborators of the Central University of Rajasthan are as follows:

- All India Institute of Medical Sciences, India
- University of Hyderabad, India.
- Banaras Hindu University, India.
- Guru Nanak Dev University, India.
- Bhabha Atomic Research Centre, Mumbai. India
- A3 Logics, India
- California State University, USA.
- Institute of Public Enterprises, Hyderabad, India
- GENPACT for Finance Lab, Research & Placement
- Centre for Budget and Policy studies, Bangalore.
- Institute of Development Studies, Jaipur.
- THUYLOI University (Vietnam).
- University de Castilla- La Mancha, Cuenca, Spain.

3.7.2. Mention specific examples of how these linkages promote

From these collaborations, the Central University of Rajsthan has benefitted in terms of following:

- **Curriculum development:** Faculty members from collaborating Univeristies/ Institution have participated in curriculum design, development and evaluation process. This mechanism has enhanced the quality and applicability of job prospects of our students.
- **Internship:** Interaction with faculty members of collaborating agenciens has resulted in more informed internship which fetched internship positions to the students of Central University of Rajasthan at prestigious organizations.

- **On job training:** Collaborating agencies have also offered jobs to our student and encouraged them to undergo training required for specific activities being carried out at their end.
- **Faculty exchange and development:** So far the collaborations have not resulted in any faculty exchange for faculty members of Central University of Rajasthan, however, the possibility of such exchange and consequent academic development are provisions of each of the collaboration.
- **Research:** Faculty members of Central University of Rajasthan and the collaborating agencies have submitted, and secured funds for few collaborative research projects. These collaborative research are expected to result in highest quality of outcomes.
- **Publications:** Since many of the collaboration in research taken up by faculty members of Central University of Rajasthan are relatively new, the research activities have not yet produced any significant publication. However, it is expected that such collaborative research activities would soon have high quality and high impact publications.
- **Consultancy:** At present there is not much of consultancy offered by faculty members of Central University of Rajasthan to any collaborative agency. However, it is expected that the consultancy services would get big boost because of the collaborative associations.
- **Extension:** Central University of Rajasthan has taken up a wide array of extension activities on its own. However, no such activity has been taken so far through collaborations.
- **Student Placement:** Exposure to education, research at collaborative agencies e.g. universities abroad has resulted in better placement at prestigious organizations.

3.7.3 Has the University signed any MoUs with institutions of national / international importance/other universities/ industries / corporate houses etc.? If yes, how have they enhanced the research and development activities of the University?

Central University of Rajasthan has signed MoUs with a number of national and international agencies including Universities/ Institutes/ Industries and corporate houses. These MoUs have helped in enhancing the R & D activities of the Central University of Rajasthan. A list of MoUs signed by Central University of Rajasthan is as follows:

- Department of Biotechnology has signed MoU with University de Castilla- La Mancha, Camino Pozuelo, s/n, 16071 Cuenca, Spain.
- Dept. of Computer Science has signed MoU with A3 Logics Research
- Dept. of Computer Science has signed MoU with California State University, USA.
- Dept. of Management has signed MoU with Institute of Public Enterprises, Hyderabad, India

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- Dept. of Management has signed MoU with GENPACT for Finance Lab, Research & Placement
 - Dept. of PPLG has signed MoU with Centre for Budget and Policy studies, Bangalore.
 - Dept. of Economics has signed MoU with Institute of Development Studies, Jaipur.
 - Dept. of Environmental Science has signed MoUs with Swedish Meteorological and Hydrological Institute, Sweden.
 - Dept. of Environmental Science has signed MoUs with Asian Institute of Technology (Thailand).
 - Dept. of Environmental Science has signed MoUs with Water Resources University (Vietnam).
 - Dept. of Environmental Science has signed MoUs with Univerisdad Autónoma de Nuevo León, Mexico

3.7.4 Have the University-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

The Uniersity- Industry interaction has not yet resulted in establishment of any highly specialized laborartoy/ facility. However, such interaction is expected to result in establishment of specialized facilities in future.

CRITERION - 4

(INFRASTRUCTURE AND LEARNING RESOURCES)

CRITERION 4 (INFRASTRUCTURE AND LEARNING RESOURCES)

4.1. Physical facilities

Infras tructure facilities and learning resources are one of the most important components required for developing the teaching- learning environment and also for enhancing the over-all productivity of faculty as well as the student community. To ensure that sufficient infrastructure and facilities are available for the students and faculty, the Central University of Rajasthan has put best efforts forward in this direction. Central University of Rajsthan has moved to the location of its final campus. It is a sprawling campus of more than 500 Acres.

Teaching and learning related infrastructure: Central University of Rajasthan has built adequate sized and ventilated class- rooms with interactive boards and smart- class room facilities, well equipped laboratories with sophisticated and high end instruments. Both class rooms and laboratories have 24 x 7 access to Wi- Fi based internet facility. Central Univeristy of Rajasthan also has a state of Art, Air- Conditioned and spacious Auditorium with seating capacity of ~ 1500 and a full-fleged Central Library.

Accomodation related infrastructure: University Campus has 3 hostels each for male and female students that can together accommodate nearly 1800 students. Other hostel buildings are in the process of being built. The faculty housing complex is also being constructed as per the Central Government Housing Scheme guidelines. University also has a well furnished, state of art Guest House that can accommodate ~ 150 guests.

Infrastrcture related to general needs: University campus also houses a dispensary/ medical unit with 2 wards each having facility of 6 beds. The medical unit has Doctor, Compounder and Nurse to cater to the medical needs of the students and other persons present/ working in the Unviersity Campus. University Campus has adequate infrastructure for recreational activities of the students. Campus has 2 ground (one each for cricket and football/ atheletics activities), Tennis Court Complex, Badminton Court, Basket Ball Courts, Volley Ball Courts and a well equipped gymnasium. University campus also houses a Bank Office (Bank of India), Bank –ATM, Canteens etc.

There is provision for un-inturrpted electricity and internet accessibility to all of the above infrastructure facilities. A constant water supply is also available through Bisalpur Dam.

4.1.1. How does the University plan to ensure adequate availability of physical infrastructure and ensure its optimal utilization?

Central University of Rajasthan is situtated in a sprawling campus spreading over 518+ Acres. This space availability makes it convenient to plan and execute phase wise expansion of the University infrastructure. University has been constantly upgrading its infrastructure and has kept in mind the increasing demand and furtuer requirements. To meet the requirements of infrastructure expansion, Central University of Rajsathan plans to seek

financial assistance from various funding agencies including MHRD, UGC, DST, DBT and also the industry/ corporate houses etc. University has already invested substantial funds over last 4- 5 year for developing and improving the teaching – learning related infrastructure. University has in place a system of optimal sharing of infrastructure resources; this system works on the basis of scheduling theory and laboratory classes for different batches in non-overlapping manner. Similarly examinations are also conducted in different shifts to avoid overlaps.

University has constituted a number of committees that are directly involved in systematic planning for expansion of the physical infrastructure of the University. All of such committee are chaired by Honourable Vice Chancellor and comprises of internal and external experts. University Administration has taken up the role of monitoring and maintenance of all University Infrastructures. University administration keeps a check on the optimal use of University Resources and prevents any event that may deliberately or indeliberately cause damage to University Infrastructure.

For further expansion of the University Infrastructure, University plans to adapt an inclusive process of decision making wherein representative members from all components of University (i.e. Students, Research Scholar, Faculty Members, Administration, and Senior Officers) will collectively decide upon issues related to expansion of University Infrastructure. Some of the major infrastructure expansion activities in the University would include:

Completion of Academic Block, Completion of Faculty Housing, Building of additional Hostels, Completion of connecting road, Land- scaping of the Univesity Campus etc.

4.1.2. Does the University have a policy for creating and enhancement of infrastructure in order to promote good teaching – learning environment? If yes, mention a few recent activities.

Yes, Central University of Rajasthan plans to creat and enhance infrastructure in order to promote good teaching- learning environment. To do so University has made careful efforts in the lines of infrastructure development. University has already created infrastructure that would be required for meeting the challenges arising in the modern day teaching-learning and research. Some of the recent initiatives in this direction are as follows:

Central University of Rajstah has built a number of adequately sized, well ventilated, smart class rooms with accessibility to internet facility, smart boards, LCD projects to facilitate ICT- based and peer to peer learning. University has also built well spaced and well equipped research laboratories in nearly all the Departments.

Univeristy has made available uninterrupted electricity supply with backup from online UPS and offline generators. University has also made available 24 x 7 accessibility of Internet through Wi- Fi and LAN Connections.

To facilitate group discussion amongst students and students- faculty members, University has built and beautified adequate sized plazas.

4.2.3. How does the University create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

Central University of Rajasthan is dedicated for promotion of research activities. In order to do so, the University has built well furnished laboratories in the University along with sophisticated instruments and necessary infrastructure for faculty to carry out research. University has also provided each faculty member with individual computers (laptop and/ or desktop). Other logistic facilities needed for research activities e.g. printer, scanner, photocopier etc. are also made available through Departmental distributions.

University has established "University Project Cell" to provide administrative and logistic support for smooth conduct of the research activities.

4.1.4. Has the University provided all the departments with facilities like office room, common room, and separate rest room for women student and staff.

Yes, University has provided office room/ office space to individual faculty members. Also there are separate rest rooms available for women student and staff. However, most of the departments are not provided with any common rooms.

4.1.5. How does the University ensure that the infrastructure facilities are disable friendly?

University have taken care for making all its buildings accessible for disables. Each building has a ramp at the entrance and exits. Further University also makes efforts to accommodate disable persons on the ground floor of different buildings. The building in the Academic Blocks are being built with Ramps and Lifts that would enable them to be disable- friendly.

4.1.6. How does the University cater to the requirements of residential students? Give details of:

Capacity of the hostel and occupancy (to be given separately for men and women)

Central University of Rajasthan has built Student Hostels within the University premises. These hostels are situated in a secure and confined location within the campus. Thus these hostels ensure the security of the resident students. Nearly all of the hostels are at short distance from the academic facilities e.g. department class- rooms, laboratories, library, auditorium etc. Nearby the hostel complex, there are other essential requirements e.g. Bank Office/ Counter, Bank –ATM, Canteen etc.

Each hostel has 3-4 hostel wardens and there is also 1 chief warden and chief lady warden. The wardens reside within campus. The general discipline and decorum of the hostel dwelling is ensured by the office of University Proctor. The office of proctor in association with Hostel wardens conducts random – surprise inspection of hostel rooms for ensuring the safety and well being of the resident students.

Central University of Rajasthan present has a total of 6 Hostels (3 each for men and women) that can accommodate ~ 300 resident students each. The

current occupancy of these hostels is ~ 90% of total available accommodation. University Hostels have following facilities:

Recreational facilities in hostels e.g. gymnasium, yoga centre etc.: Each hostel is provided with LCD television having DTH connection. Each hostel has a common room pace where resident students access internet facility, news papers, general magazines etc. Some of the Hostels also have Badminton Courts and Table Tennis – Tables. There is also a common gymnasium for all 6 hostels. At present Central University of Rajasthan does not have a Yoga Centre, however, Yoga Classess- sessions are organized by Univeristy.

Broadband Connectivity/ Wi- Fi in the Hostels: Internet connectivity through Wi- Fi is available in all the Hostels of Central University of Rajasthan.

4.1.8. Does the University offer medical facilities for its students and teaching/ non- teaching staff living on campus?

Yes, Central University of Rajasthan has a medical centre with appointed Doctor, Compounder and Nurese. The medical centre provides round the clock emergency medical facaility to all its students and teaching/ non-teaching staff living of the campus. The working hours for regular medical facilities offered by medical centre are 8:00 AM- 12:00 and 4:00 PM – 7:00 PM. Additionally; Univeristy has ambulance facility to cater to the need of medical condition derived transportation. Central University of Rajasthan has secured medical facility support from Marble City Hospital, Kishangarh and Mittal Hospital, Ajmer to ensure that adequate medical facilities are available to students and teaching/ non- teaching staff associated with the University.

4.1.9. What special facilities are available on campus to promote students' interest in sports and cultural events/ activities?

Central University of Rajasthan is a residential unitary University and it has intake of students with diverse academic and cultural back-grounds. University has taken several steps to ensure that the students' stay at University Campus is a happy and healthy.

Promotion of sports interests: For promotion of students' interest in sports and cultural activities, Univeristy has built a number of sport complexes including 2 full fledged grounds (1 each for cricket and football/ atheletics activities), Tennis Court Complex, Basket Ball Courts, Badminton Courts etc. University has also provided facility for indoor sports events e.g. Table Tennis, Chess, carom. University has procure high end equipments and gears required for proper participation in the concern sports.

University has adapted a mechanism of having sports club for various sports that are headed by Club Presidents (Usually a nominated faculty member with interest and experience in relevant sports). In association with student representatives in the Club presidents organize regular Intra- University sports meet/ competitions and tournaments. These events provide suitable platform for students to show-case their sporting talents and therefore for their selection in the team for representing Central University of Rajasthan at Regional and National sports competitons.

Promotion of extra-curricular interests: Similar to the mechanism used for promotion of sports interest, Central University of Rajasthan also has in place mechanism for promotion of extra- curricular activities including cultural activities, literary activities etc. Different departments of University have various clubs that regularly organize cultural festival etc. Apart from the Departmental clubs, University also has a music club, dance and drama club. Students from different Departments actively participate in activities of these clubs. Such activities are guided and monitored by faculty members under the guidance of office of Dean Student Welfare. Many of the club activities are performed in University's State of Art Auditorium after due approval from competent authority of the University.

University also organizes cultural activities/ cultural fest on occasions e.g. University Foundation day, Annual Day, Teachers' Day etc. wherein University students get best platform for show-casing their talents. University Celebrates Annual Day in form of a cultural festival with name of "Maru- kriti" which is attended by one and all from Central University of Rajasthan as well as by the residents of the neighbouring villages etc. These events are also used as forum for selection of talented students to represent University at regional and National competitions.

4.2. Library as Learning Resource

4.2. Library as a Learning Resource

4.2.1. Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

There is a University Library Committee consisting of the following members:

Vice Chancellor	Chairman
Registrar	Member
Finance Officer	Member
Dean of the Schools including Dean (Students Welfare)	Member
One senior-most Professor/ Associate Professor/	Member
Assistant Professor from each department other than Deans	Member
Proctor	Member
One outside expert nominated by the Vice Chancellor: Member	Dr. Suresh Singh Jindal, Librarian, University of Delhi
Librarian or his representative	Secretary

The committee executes following activities:

1. Exercise general supervision over the University Central Library.
2. Frame regulations for the management and use of the library subject to the approval of the authorities of the University.
3. Allocate funds to various departments, assess the requirements of the central library and frame budget to be submitted to the authorities concerned.
4. Submit working report of Central Library to the authorities of the University annually.
5. Formulate and administer proposals concerning the development of the library.

4.2.2 Provide details of the following:

- Total area of the library (in Sq. Mts.) – 680 sq. mts.
- Total seating capacity
- * Reading Hall (Study Centre): 100
- * Reference Section: 30
- * E-Resources Lab: 15
- Working hours (on working days, on holidays, before examination, during examination, during vacation)
- On all working days (Monday to Friday) - 9.00 am to 8.00 pm
- On Holidays (Saturday and Sunday) - 10.00 am to 6.00 pm
- During Examination - 9.00 am to 10.00 pm
- During Vacations – 9.00 am to 6.00 pm
- Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)
- * Individual reading carrels – Reading Section
- * Lounge area for browsing – Stacks
- * IT zone for accessing e-resources – E-Resources Lab
- Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection:

Adequate signages are displayed in all the sections. Fire extinguishers are provided in the library for security purpose. The ramp facility has been provided for differently-abled users to visit the library.

4.2.3. Give details of the library holdings:

Library resources are central to the successful completion of research studies. CURAJ is equipped with both physical and digital Library or Learning Resource Centre (LRC). Students and staff are entitled to use the services and collection of all library resources. University keeps updating the library

resources based on demand of global research environment and student community. There is dedicated pool of staff for management and distribution of books & other resources in the library. Our University website is the gateway to a rapidly increasing range of online databases, subject guides and other electronic services, including the library catalogue and over 20044+ books. Most of these are accessible throughout the University campus. We also hold a significant range of resources in other media, including videos cassettes, CDs.

a) Print (books, back volumes and periodicals)

Table: Details of Library Holdings

Sl.No.	Type of Learning Resource	Total No.
a.	Books	20400+
b.	Print Journals	70+30(National& International)
c.	E- Resources	10500+
d.	Video Cassettes	40
e.	CDs	613
f.	Reports	15
g.	Magazines	36
h.	Newspapers	14

b) Average number of books added during the last three years

- On an average, about 4000-4500 books are added per year during last three years.

c) Non Print (Microfiche, AV)

- Microfiche: Nil
- AV: 653

d) Electronic (e-books, e-journals)

- E-Journals (Consortia): 8500+

Foreign online e-journals (Subscribed):

E-Database: 04 (SciFinder, MathSciNet, ISID, JCCC)

E-Resources & Databases

S. No.	Publisher	URL
1.	American Chemical Society	http://www.pubs.acs.org/
2.	American Institute of Physics	http://journals.aip.org/
3.	American Physical Society	http://publish.aps.org/browse.php
4.	Annual Reviews	http://arjournals.annualreviews.org/
5.	Economic & Political Weekly	http://www.epw.in
6.	Elsevier Science	http://www.sciencedirect.com/
7.	ISID	http://isid.org.in/

S. No.	Publisher	URL
8.	JCCC	
9.	Oxford University Press	http://www.oxfordjournals.org
10.	JSTOR	http://www.jstor.org/
11.	Project Euclid	http://projecteuclid.org/
12.	Royal Society of Chemistry	http://www.rsc.org/Publishing/Journals/
13.	SIAM	http://epubs.siam.org/
14.	MathSciNet	http://www.ams.org/mathscinet/
15.	Springer Link	http://www.springerlink.com/
16.	Taylor & Francis	http://www.informaworld.com/
17.	IEEE Online	http://www.ieee.org/ieeexplore
18.	ACM Digital Library	http://www.dl.acm.org
19.	EBSCO (Art & Architecture Complete)	http://search.ebscohost.com
20.	Business Source Elite E-Journal Collection (EBSCO)	http://search.ebscohost.com
21.	Bentham Science (Pharmacology, Toxicology and Pharmaceutical science)	http://www.benthamscience.com
22.	Science Direct (Pharmacy)	http://www.sciencedirect.com
23.	SciFinder	https://scifinder.cas.org

e) **Special collections (e.g. text books, reference books, standards, patents)**

f) **Book Banks - Nil**

g) **Question Banks -Nil**

4.2.4 What tools does the library deploy to provide access to the collection?

Web-OPAC -Yes

Electronic Resource Management package for e-journals: The library has bought several e-resource packages to access peer- reviewed e-journals, e-books, e-database (bibliographical, full text, etc.) and provided access through the library portal on the University website. Some of them are: Science Direct, IEL Online, ACM Digital Library, Bentham Science, EBSCO (Management and Architecture e-journals collection) and SciFinder.

Federated searching tools to search articles in multiple databases: Initially KNIMBUS federated searching tool has been provided on trial basis for 6 months. University is planning to purchase a good federated searching tool after evaluation of the available tools in the market i.e. EBSCO Discovery source, J-Gate federated search engine, etc. **Library** has an access to most referred e-database/portals.

Library Website: The Library webpage provides information regarding rules/regulations, News/events and information about the library print and e-resources with direct link to different e-resources like e-journals, e-databases. A separate library portal is being constructed and launched shortly.

In-house/remote access to e-publications: Providing in-house access to e-publications is available at e-resources lab having 15 computers equipped with internet connectivity and downloading facility. Throughout the University campus, users can access all e-publications through LAN and Wi-fi connectivity and some of the resources can accessed also remotely. To remote access of all the resources, University library is planning to purchase remote access software for maximum utilization of resources.

4.2.5 To what extent is ICT deployed in the library? Give details with regard to

Library Automation:

The work of retro-conversion of library active collection was completed in LIBSYS 7.0 integrated library software package in the year 2012. In addition to this, technical processing module for new purchase (data entry, bar code generation and pasting) and circulation module for issue and return of books to the readers have been initiated with the LIBSYS 7.0 integrated library management software. Almost all the housekeeping modules are computerized. Library automation work management and back up management are administered through centrally controlled computer system.

Total number of computers for general access:

The library has 15 computers with high internet bandwidth (1 GBPS) with a view of moving users towards IT-enabled facilities & resources and maximum utilization of these resources (online/offline) and as a step towards paperless library.

Total number of printers for public access:

A series of multiple printers including Dot- jet, Ink-jet and laser printers are there in the library. Currently there are two printers available for public access printing purpose.

Internet bandwidth Speed (2 mbps, 10 mbps, 1 gbps)-

Library has internet access with 1GBPS bandwidth.

Institutional Repository:

Library has planned to develop following Institutional Repositories for the users:

Article Repository: published research papers/articles of the faculty members

- Book Repository: published books of the faculty members
- Lecture notes/Audios/videos
- Previous year question papers
- Thesis and dissertation submitted by the students

Content management system for e-learning

The University is already having access to e-content from several online

resources. Further library also plans to develop content management system to provide enhanced access to remote and local electronic resources.

Participation in resource sharing networks/consortia (like INFLIBNET)

Participation in resource sharing: University Library is having the membership of INFLIBNET's UGC-INFONET Digital Library Consortium and INDEST-AICTE Consortium.

E-Journal Access: Yes

Shodh-Ganga and Shodh-Gangotri: Yes

4.2.6 Provide details (per month) with regard to:

Average number of walk-ins: 6200 per month

Average number of books issued/returned: ~2000 per month

Ratio of library books to students enrolled: ~ 13 books per student

Average number of books added during the last four years: ~4400

Average number of login to OPAC: About 500

Average number of login to e-resources: 7972 per month

Average number of e-resources downloaded/printed: 3023 per month

Number of IT (Information Technology) literacy trainings organized

1. **Science Direct**
2. **EBSCO Art & Architecture**
3. **EBSCO Business Source Elite**
4. **KNIMBUS Discovery Source**
5. **TURNITIN & iThenticate Plagiarism Software**

4.2.7 Give details of specialized services provided by the library with regard to

- **Manuscripts :** Nil
- **Reference:** The library has a rich collection of reference tools, and provides the reference services in both digital and print forms. About 25-30 readers visit this section daily for reference work, dissertations, and reports.
- **Reprography/Scanning:** Digital copier/printer is available for scanning, printing and photocopying of library materials. The productions are made for academic and research needs keeping in mind the Copyright Act.
- **Inter-library Loan Service :** This service is enhanced and effectively implemented through ICT tools, and scholarly resources such as books (reference books), journal articles (e- journals), e-resources etc. are shared with other institutional libraries.
- **Information Deployment and Notification:** The library information services are made available through emails, Library Brochure, Library website, new arrivals display, e-mail alerts, circulars and notices. The library conducts e-resources awareness programs/user orientation

programs/trainings/workshops in consultation with the publishers and government departments for the benefit of all the stakeholders. A list of new arrivals in the library is communicated to the students and faculty.

- **OPACS:** Online Public Access Catalogue System (OPACS) has been in operation since July, 2010 with the help of LIBSYS Software and now Web-OPAC since August 2014 with help of Libsys 7 Release 1.0 Upgraded version of library management software.
- **Internet Access:** The library is well-equipped with high speed internet connectivity, 1 GBPS from National Knowledge Network (NKN).
- **Downloads:** The library has downloading facility for students and faculty. The instrumental devices for download such as database server, internal/external storage devices like hard disk, CDs/VCDs, scanner and printer are available for storing the information available in textual, image, graphic, audio, video/multimedia formats. The e-resources (free and subscribed) are available in the library with perpetual back files access destined for future download purpose.
- **Printouts:** The library provides access of printers like Dot Matrix, Laser, Ink- jet, digital copier cum printer, and bar code printers for printing purposes. In view of the green library initiatives, the printouts are kept to the minimum.
- **Reading list/ Bibliography compilation:** The library has maintained both manual and digital records of library collection which offers the details regarding resource material. As per the DDC international standards the same is arranged by author, title and subject indices.
- **In-house/remote access to e- resources:** Online access to more than 10,500+ peer-reviewed e- journals and 04 databases published by 23 reputed international publishers are available on authentic IP address of the University to carry out academic and research work of the stakeholders. Some of the resources may also accessed by the faculty members from outside the University through remote access. Library website provides direct link to such e-journals, e-database and e-resources which are classified and arranged into different disciplines/faculties.
- **User Orientation:** The library arranges a user Orientation Programme at the beginning of every academic year for the new students. The programme is conducted in two phases:
 - a) General information about the library: The topics covered are layout vis- à-vis facilities in the library building, sections opening hours, holdings, rules and regulations, special features and services, use of softwares, e- resources.
 - b) Visits to the library: Guided tour to all the sections of the library.
- **Assistance in searching Databases:** The library staff assists the users in searching the desired information available with various sources by arranging demonstration/ hands-on- approach. It provides orientation on topics like e-resources access, research report writing,

citation analysis, journal impact factor and assistance regarding publication.

- **INFLIBNET/IUC facilities:** Institute is member of INFLIBNET since 2010.
- **UGC-INFONET Digital Library Consortium**
Shodhganga
Shodhgangotri
Plagiarism Detection Software (iThenticate)

4.2.8 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

Year	2010-11	2011-12	2012-13	2013-14
Budget Allocated	91,98,000	1,76,,48,000	2,58,10,000	2,70,00,000
Spent on Books	46,60,000	47,24,000	73,46,000	61,90,717
Spent on Journals	11,98,000	36,48,000	58,10,000	68,05,635

4.2.9 What initiatives has the University taken to make the library a 'happening place' on the campus?

Initiatives:

- Periodic sensitization workshop/seminars are arranged by library staff and faculty.
- Beautification and gardening around the library building
- Designing a separate lounge area for the students
- Exhibition of books and other reading material
- Periodic arrangement of awareness programs/training programs/workshops/seminars on information products and services for the knowledge of latest happenings in the field.

4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

The strategies used for the improvement of the library services go on the following lines:

- Submission of student feedback by all the students.
- Suggestion Box
- Maintenance of the claim record of most frequently read books. The feedback collected from these sources is analysed in categories such as service, holdings, interpersonal communication and other such matters. Then it is placed before the library committee for necessary further action. It is observed that readers at sometimes make useful suggestions for improvement in library services.

4.2.11. List the efforts made towards the infrastructural development of the library in the last four years.

The efforts made towards the infrastructural development of the library in the last four years are mentioned below:

- Installation of state of the art furniture.
- Planning for construction of new library building.
- Additional LAN to provide connectivity in various sections of the library.
- Planning of Installation of CCTV.

4.3. IT Infrastructure

The IT has appeared in all the walks of academic as well as administrative spheres in the institute. IT services like web surfing, website, webmail, online web applications are extensively used by 1500+ users on the campus. The website and web apps serve the student community and other stakeholders. Other civil amenities established for the Server room include air conditioners, uninterrupted power supply, diesel generator, and fire alarm and IP cameras for surveillance. The campus has been networked by fiber optics backbone. The institute has dedicated line of 1 Gbps for internet connectivity from the National Knowledge Network 1200 LAN points, 11 computer labs, Brihaspati ERP solution and partial Wi-Fi in campus is available. Four out of seven hostels are fully equipped with the internet connectivity through LAN and Wi-Fi. 72 telephone connections from BSNL and intercom facility are available. The following ICT activities are available in the campus initiatives are planned and will be operational in near future:

- Smart Classroom
- Extension of internet facility in three hostels
- Extension of Wi-Fi facility for the remaining campus
- Extension of intercom facility in newly constructed academic blocks

4.3.1 Does the University have a comprehensive IT policy with regard to-

IT Service Management: The institute has an elaborate and comprehensive policy to bring about revolutionary changes in knowledge management in the institute and administrative departments. It has established a Server Room for this purpose, which is in operation since 2011. In new Server Room, which is in process of building, security arrangements like fire alarm system and IP surveillance system will be implemented.

Information Security: A backup system is maintained for the sensitive databases such as finance and examination by using portable hard disks.

Network Security: The institute's New Server Room has been protected by the firewall.

Cyber security policy: The University has framed its own policies to discourage cyber troubles.

Firewall: CyberRoam firewall is installed in server room, certain sites are blocked.

Open Source Resources: The institute has a policy to promote Free Open Source Software (FOSS) wherever possible.

4.3.2 Give details of the University's computing facilities i.e., hardware and software.

Software and Tools:

An Indicative List of Licensed Softwares available at Central University of Rajasthan is as follows:

S. No.	Name Of Software	No. of CD (Original)
A	Antivirus	
1	Quick Heal Admin Console 4 Endpoint Security for Small and Medium Business Eset(Endpoint security)	2
B	Office ProPlus 2010 SNGL OLP NL Acdmc	
1	Microsoft Office Professional Plus 2010	1
C	MATLAB & SIMULINK	
1	Matlab R2011a (For Mac and Linux systems, Windows (XP, Vista, 7) Mathematica	3
D	Corel Draw X6 with media (Academic Version)	
1	Corel Draw Graphic Suite X6 (10 Users License Pack- CD No. 1,2,3)	3
E	MSDN Academic Alliance 7.0 Win 32 English	
	<u>SDKs & DDKs</u>	
1	Microsoft .NET Framework 3.5 SP1 Hyper-V Updates Windows SharePoint Services 3.0 with SP1 (All Languages) Windows Driver Kit (6001.18001) Windows Mobile 6.0 Professional , standard SDK Windows SDK for Windows Server 2008 and .NET Framework 3.5 Visual Basic for Applications 6.0 SDK v6.5	1
	<u>Operating Systems</u>	
1	Windows 7 Professional , Enterprise with Service Pack 1(x64 and x86)	2
2	Windows 7 Professional, Enterprise (x64 and x86)	2
3	Windows 7 and Windows Server 2008 R2 Service Pack 1(x86 and x64)	1
4	Windows Server 2008 R2 with Service Pack 1(x64) and	2

S. No.	Name Of Software	No. of CD (Original)
	R2 (x64)	
	<u>Servers</u>	
1	Exchange Server 2010 with SP1 (x64)	1
2	SQL Server 2008 R2 Developer, Enterprise, and Standard Editions	1
3	Microsoft SharePoint 2010 with SP1	1
	<u>Development Tools</u>	
1	Visual Studio Team Explorer Everywhere 2010 with SP1	1
2	Visual Studio Light Switch 2011, Visual Studio 2010 (Service Pack 1, Ultimate)	3
3	Visual Studio Team Foundation Server 2010 Service Pack 1	1
4	Visual Studio Team Foundation Server 2010 • Visual Studio Agents 2010	1
5	Expression Studio 4	1
	<u>Applications</u>	
1	Microsoft Office Access 2010 and Microsoft Office 2010 SP1 (x64 and x86)	2
2	Microsoft Project Professional 2010 and Microsoft Visio 2010 with SP1	2
	<u>Library</u>	
1	msdn subscriptions Library Disc (1, 2, 3, 4) April 2007 (Essential Resources for Developers)	4
Total		32

Hardware

Computational Resources: The institute provides a wide range of computational facilities. Institute computational resources involve a wide range of personal computers and proprietary applications software. The Institute computer network provides a wide range of services from electronic mail to electronic interchange of documents.

Items	Description
Computers	500+
Servers	2 (IBM:1, HP:1)
Printers	50+
Network	
Network Speed	1000Mbps
	NKN Facility

HPC Rack:

One IBM System x 3550 M\$ 2U server & 4 Computers (IBM System x 3550 M4 2U)

Processor: Intel Xeon 2.60 GHz / 20MB cache

RAM: 8 GB

Remote Data Centre: The Remote Data Center is hosted by BSNL, features of Remote Data Center are as follows:

Cloud service- supreme plan 8 virtual machines, 8 GB RAM, 240 GB HDD.

Server Room:

DHCP & Accounts Server:

Model: IBM System x3300 M4-{7382ILA}-

Processor: Intel Xeon 2.20 GHz (2 Processors), RAM: 8 GB, HDD: 556 GB

Web Server:

Processor: Intel Xeon 2.0 Ghz, RAM: 4 GB

UTM (Unified Threat Management):

CybeRoam CR1000ia

NKN Rack consists of:

HP A5500-24G-SFP EI Layer 3 Switch with 2 Interface Slots Software Version 5.20

Juniper Router

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

An ICT center has been established in the University for deploying and upgrading the IT infrastructure and associated facilities at the institute campus. Various committees in the ICT center: Network committee, Hardware committee, Software committee has been formed. HOD, Computer Science is the in-charge of ICT center.

4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.

The faculty members and students of Central University of Rajasthan have access to **Brihaspati ERP solution** in addition to the e- learning resources subscribed through University Library.

4.3.5 How does the University address issues such as authenticity and copyright with regard to online resources that lie outside the University?

The Plagiarism software has been procured by the University to plagiarism issues and is available to everyone in the campus.

4.3.6 What are the new technologies deployed by the University in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

Many students have been provided Tablets to develop android based applications for learning purpose. These Tablets (120 in quantity) were received by the University under Aakash R&D project of MHRD.

4.3.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

Following IT facilities are made available by the University:

- Laptop to each faculty member.
- Additionally, PC to all HOD's and some of the faculty members.
- Internet through LAN connectivity to each faculty member.
- Internet through Wi-Fi to each faculty member.
- Internet through USB data card to all HOD's.
- Internet through Broad band to all HOD's
- Institutional webmail ID for every faculty member.
- E-access of library resources on 24x7 basis etc'.

4.3.8 Give details of ICT-enabled classrooms/learning spaces available within the University?

The class rooms are fitted with LAN connection and LCD facilities are available in these rooms. Wi-Fi connectivity is also provided.

4.3.9 How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the University for such initiatives?

The following ICT tools are made available for preparing the computer aided teaching-learning resources:

- PPT presentation in the classrooms
- Use of web resources
- Use of video conferencing through skype , google+
- Webcasting of lectures
- Projection of online lectures and dramatic performances
- Computer Centre and Internet Unit help the faculty in ICT based teaching –learning.

4.3.10 How are the computers and their accessories maintained?

Institute ensures three year comprehensive warranty for every newly purchased computers, laptops and servers. The institute has in- house mechanism to maintain and repair computers, laptops and servers by the technicians. Annual maintenance contract is given to the vendor for maintenance of computers, laptops and servers and printers.

4.3.11 Does the University avail of the National Knowledge Network connectivity? If so, what are the services availed of?

Yes. The University has been granted the National Knowledge Network (NKN) connectivity of 1 Gbps.

4.3.12 Does the University avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Yes. Web educational resources are provided by the Library as per their policy. Also there is no restriction on using web resources.

4.3.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the University.

For deployment of computers budget is Rs 50 lakhs, and for Update and Maintenance budget is Rs 10 lakhs in 2014-15.

4.3.14 What plans have been envisioned for the gradual transfer of teaching and learning from closed University information network to open environment?

Teachers of computer science and other streams go to the nearby villages/ invite in the campus to teach practical subjects to the students of HSc and SSc levels.

4.4. Maintenance of Campus Facilities

4.4.2. Does the University have an estate office/ designated officer for overseeing the maintenance of buildings, class- rooms and laboratories? Is yes, mention few of campus specific initiative undertaken to improve the physical ambience.

Yes, Central University of Rajasthan has a designated estate office and officer for overseeing the routine maintenance and other requirements related to buildings, class- rooms and laboratories. The estate office works under the guidance of office of University Registrar. University has outsourced the activity and hired professional house-keeping agency. Together the estate office and house keeping agency have undertaken a few initiative for improving the physical ambience; A list of such initiatives is as follows:

- Tall evergreen trees have been planted alongside the University boundary wall. These trees provide extremely pleasant ambience in this remote location that otherwise have very limited vegetation.
- Similarly University Roads/ Streets are also being studded with flowering plants to provide vibrance and pleasant ambience.
- Campus roads and streets are wide and illuminated with solar lights which add to general ambience of lively campus especially during evening hours.
- Land- scaping of the University is being done by professional agency.
- Campus buildings are built with modern interior architectures, however, they have a touch of Rajasthani build style to their exteriors, which go very well with the overall theme of a Central University in Rajasthan.
- Class rooms and Laboratories are well illuminated and well ventilated. Many of the laboratories and class rooms are air cooled.
- Class rooms and Laboratories have uninterrupted supply of electricity and internet.
- University guest house is built with idea to host 'global visitors' and has very pleasant ambience.

4.4.2. How the infrastructure facilities, services and equipment maintained? Give details.

The Central University does not have any specific centralized mechanism for maintenance of facilities, services and equipments as yet. For now facilities e.g. Internet Network are maintained by collective efforts of estate office and technical staff associated with different Departments; for example, the Internet Network facility is maintained by technical staff associated with Department of Computer Science and Computer Science and Engineering, while facilities associated with University Auditorium are maintained by technical staff associated with Department of Culture and Media Studies.

Regarding maintenance of equipments: many of the equipments purchased during last few years are still under comprehensive warranty. Once the warranty gets over, University would sign Annual Maintenance Contracts (AMCs) with equipment manufacturing principal and/ or authorized vendor to ensure continued maintenance of the valuable equipments.

CRITERION - 5
(STUDENT SUPPORT
& PROGRESSION)

CRITERION - 5

(STUDENT SUPPORT AND PROGRESSION)

5.1. Student Mentoring and Support

5.1.1 Does the University have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes, at Central University of Rajasthan, there are a number of complementary systems in place for student support and mentoring. Apart from support and mentoring offered through Departmental faculty members to each student, University has also adapted system for supporting students through following bodies/ committee:

(1) Students grievance redressal committee: This committee has following functional characteristics:

- To entertain written and signed complaints and petitions of students in respect of matters directly affecting them individually or as a group;
- To enquire into the grievances, and make recommendations and report to the concerned authorities Academic Council and Executive Council for redressal or suitable action and
- To recommend appropriate action against complainant, if allegations made in the documents are found to be baseless.

(2) Students' Welfare Committee: This committee has following functional characteristics:

- Conducting of student's council election as per Central Universities Act, 2009.
- Celebration of national festivals
- Conducting yoga classes
- Organizing cultural programmes
- Encourage work on demand scheme to facilitate administrative/academic department.
- Anti-Ragging

(3) Anti-ragging committee: This committee ensures that Central University of Rajasthan is a ragging free campus.

(4) Special Cell for SC/ST: This cell has the following functional characteristics:

- The special cell for SC/ST will perform such function and duties as per instructions/guidelines issued by the UGC/ Govt, of India, from time to time.
- The University is in process to submit a proposal to the UGC to establish cell for SC/ST as per XII Plan guidelines prescribed by the UGC in case of Central funded institutions.

(5) Committee for NSS/NCC Activities: This committee has following functional characteristics:

- Correspondence with concerned departments for establishment of NSS/NCC units.
- Organizing camps like social service camp, blood donation camp, etc. for the students
- Plantation and Cleanliness in University premises.

(6) Games and Sports Committee: The constitution of Games and Sports committee has been made as per the University Ordinance 49. This committee has following functional characteristics:

- Make arrangements and supervise the games and sports of the University and frame Regulations in this regard; frame the budget for games and sports.
- Allocate finances to the various Sports Clubs.
- Maintain the play-grounds, gymnasias, swimming pools of the University
- Hold contests, competitions, tournaments, athletic meets etc.
- Recommend to the Vice-Chancellor the names of the outstanding players and sportsmen to be nominated for admission
- Perform such other functions, as may be assigned to it by the Academic Council from time to time

(7) Career counselling cell: Career counselling cell comprises of representative student and faculty member from each Department. The major functional characteristics of University Career Counselling Cell are as follows:

- Guide students for general career related aspects.
- Conduct Departmental work-shops on CV/ resume writing.
- Preparation of Departmental Placement brochure.
- Organize campus placement events e.g. (Placement Fairs etc.)

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

- Each department is arranging required Guest/ Visiting Faculty lectures and student seminars time to time for the academic benefit of students.
- Each department is arranging a week/fortnightly **Tea with Guest Program**, in which department inviting an expert in this field or industry personalities to guide and provide practical knowledge to the students
- Each department is conducting Students Seminars regularly.
- Each department is arranging the required bridge courses beginning of the first semester

5.1.3 Does the University have any personal enhancement and development schemes such as career counseling, soft skill

development, career-path identification, and orientation to well-being for its students? Give details of such schemes.

I. Career Counseling Cell:

The University has its Career Counseling Cell, which not only provides placement assistance to the students in relevant organizations, but it also helps the students of the University in their career planning, preparation for selection tests, summer placement, internship and final placements. The Career Counseling Cell is working on liaising with the senior executives of reputed organizations for the development of the effective communication links with many prominent industrial and professional organizations. The Career Counseling Cell is making all out effort to match the student's career aspirations with the requirements of these organizations. Keeping in view the demand and preference of the various industries, the Cell is also looking for the development of the students. In this direction, various activities like Aptitude test, Group Discussion, Guest Lectures from corporate personalities are organized from time to time by the placement cell for the students of the University. The Career Counseling Cell has nominated one Faculty Member as Placement In-charge and two Students as Departmental Placement Representative from each department to assist the placement cell in the placement activities related to the Department.

Student Advisor: Every student admitted to any programme of the University will have a faculty member from the concerned department as his advisor (called 'student advisor'). The student advisor will track and monitor the student's regularity in the class room attendance, performance in tests and in completing other assignments in all the courses the student is required to pursue. Based on the assessment of the student's progress and conduct, he will be suitably advised and guided so as to ensure that the student remains focused on his primary academic objective. Problems due to any extra ordinary situation will be discussed with the Head and resolved at the department level. Every student will keep in touch with his advisor and meet him periodically, as prescribed by the advisor, and strive to improve his/her performance. A student may also seek advice regarding appearance at the professional examination and participation in outside seminars and other co/extra-curricular activities in a way that does not affect his primary objective

5.1.4 Does the University publish its updated prospectus and handbook annually? If yes, what are the main issues/activities/information included/provided to students through these documents? Is there a provision for online access?

Yes University publishing its Annual Book yearly. It showcases our academic activities, creative skills and a sensitive understanding of our multicultural surroundings. The annual book is available on the University website and is open for suggestions so as to enable us to bring constant improvement in our endeavors.

5.1.5 Specify the type and number of University scholarships/freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the

following categories: UG/PG/M.Phil/Ph. D./Diploma/others (please specify).

The University provides the University Scholarships every year to meritorious top 3 rank students of each UG and PG programmes. In addition, the University provides every year scholarship to all the Non-JRF Ph. D. students. Details are as follows.

S. No.	Scholarship / Fellowship Name	Fellowship Amount
1.	Scholarship to Meritorious students (Top ranking 3 students of all the UG and PG programme of the University.	Rs. 1,000/- per month
2.	Scholarship to Non- JRF candidates perusing research in any department.	Rs. 8,000/- per month

5.1.6 What percentage of students receive financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

Central University of Rajasthan provides financial assistance to meritorious students, however, the number of fellowship provided by the University is limited and therefore, University promotes its students to apply for and secure financial assistance in form of fellowship from state government, central government and other national agencies. A number of University students have benefitted from this approach. A Department –wise list of of number of students getting benefitted from such financial assistance is as follows:

Name of Department	Name of the Agency	No. of students	Total student	Percent %	Batch
Department of Architecture	GATE Scholarship	One in 1 st Sem. M. Arch.	11	9.09	
		One in 3 rd Sem. M. Arch.	05	20.00	
	University Scholarship for the top three students of each year to M. Arch. Students	Three in 1 st Sem. M. Arch.	11	27.27	
		Three in 3 rd Sem. M. Arch.	05	60.00	
Department of Biotechnology	RGNF Research Fellowship	01	17	5.88	2011-13
	GATE Scholarship	04	17	23.3	2011-13
	CSIR- UGC NET Research Fellowship	03	17	17.6	2011-13
	DBT- JRF fellowship	03	17	17.6	2011-13
	UGC- Research Fellowship	02	17	11.6	2011-13
	DST- Inspire Resaerch Fellowship	01	19	5.2	2012-14
	CSIR- UGC NET Resaerch Fellowship	03	19	15.6	2012-14

Name of Department	Name of the Agency	No. of students	Total student	Percent %	Batch
	GATE Fellowship	05	19	26.0	2012-14
	DBT- JRF Fellowship	02	19	10.4	2012-14
	GATE Fellowship	04	24	16.6	2013-15
	DBT Fellowship	01	24	4.15	2013-15
Department of Statistics	Single Girl Child (Ms. Neha Sharma)	01	-	-	2009
	DST, Inspire fellow (Mohd. Aamir Malik)	01	-	-	2012-14
	Jammu and Kashmir State Scholarship (ShafatYousuf)	01	-	-	2013-14
	MHRD Scholarship for Girls (Pragya Khandelwal, Richa Agarwal)	02	-	-	2013-14
Department of Economics	-	-	-	-	-
Department of English	MHRD (Rajasthan Board) (Manju Kumari and Shashikala)	02	-	-	-
	Government of Assam (Alisha Baglari)	01	-	-	-
	Samaj Kalyan Vibhag(Rajasthan) (Akhilesh)	01	-	-	-
Department of Environmental Science	DST Rajasthan for M. Sc. Dissertation	01	-	-	-
	UGC- CSIR- JRF	01	-	-	-
	UGC- JRF	01	-	-	-
Department Of Computer Science & Engineering	MHRD, Govt of India(GATE)	18 per year	-	-	-
	Institute CURAJ (Top three rankers of the course)	3 per year	-	-	-
Department of Management	University Merit Scholarship, provided by CURAJ to first year students.	03			2010-11
	University Merit Scholarship, provided by CURAJ to second year students.	03			2011-12
	University Merit Scholarship, provided by CURAJ to first year students.	03			2011-12
	University Merit Scholarship, provided by CURAJ to second year students.	03	-	-	2012-13

Name of Department	Name of the Agency	No. of students	Total student	Percent %	Batch
	University Merit Scholarship, provided by CURAJ to second year students.	03	-	-	2012-13
	University Merit Scholarship, provided by CURAJ to second year students.	03	-	-	2013-14
	University Merit Scholarship, provided by CURAJ to first year students.	03	-	-	2013-14
	Trust Fund, National Handicapped Finance and Development Corporation (NHFDC)	01	-	-	2011-12
	Indian Oil Educational Scholarship Scheme	03	-	-	2011-13
	Indian Oil Educational Scholarship Scheme	05	-	-	2012-14
Department of Mathematics	Rajiv Gandhi National Fellowship	01	-	-	-
	Inspire	01	-	-	-
	GATE	02	-	-	-
	Social Justice Welfare	To all SC/ST Students	-	-	-
	University Merit Basis Scholarship	Top Three Students of CUCET	-	-	-
Department of Hindi	UGC	13	16	81	
Department of Microbiology	DST, Rajasthan Govt.	1	21	0.5%	2013-15 (MSc)
	GATE	2	19	11%	2012-14 (MSc)
	CSIR-NET	1	19	0.5%	2012-14 (MSc)
	RGNF Research Fellowship	1	2	50%	2012-Onward (PhD)
	CSIR-JRF	1	2	50%	2012-Onward (PhD)
Department of Culture and Media	Ministry of Tribal Affairs, GOI, under the Rajiv Gandhi National Fellowship	01	-	-	-
Department of Social Work	UGC, New Delhi (PGSGCS)	01	-	-	-

Name of Department	Name of the Agency	No. of students	Total student	Percent %	Batch
Department of Public Policy, Law and Governance	1. Ministry of Minority Affairs- Maulana Azad National Fellowship for Minority Students Schemes	One Ph.D student.	05	20%	2014-15
	2. Ic SSR Fellowship for Ph.D Research	One Ph.D Student	01	100	2013-14
Department of Chemistry	UGC, MHRD, Govt of India.	01	-	-	-
Department of computer Science	Scholarship for SC/ST candidates from CURAJ	02	-	-	-

5.1.7 Does the University have an International Student Cell to attract foreign students and cater to their needs?

No, Central University of Rajasthan does not have any international student cell. However, during short span of its existence, Central University of Rajasthan has attracted a few foreign students who have taken Master Courses in Department of Mathematics, Department of English, Department of Commerce, Department of Environmental Science and Engineering and Department of Biotechnology. The University caters to the need of foreign students through office of Dean Academics. The requirements brought to the notice of University administration are due addressed in timely manner.

5.1.8 What types of support services are available for:

- Overseas students:** Central University does not have any special cell for providing support to the foreign/ overseas students. However, University provides best support to overseas students through their respective host Departments and also through office of Dean Academics. At the time of admission to University, overseas students are offered seats as per their choice above and over total allotted seats.
- Physically challenged / differently-abled students:** Central University of Rajasthan is sensitive towards physically challenged/ differently – abled students. To cater to their specific need, University is carefully planning its infrastructure development so as to ensure uninterrupted accessibility for them to all academic, research and recreational facilities. University also offers reservation in admission procedure as per the norms defined by the Govt. of India.
- SC/ST, OBC and economically weaker sections:** Central University of Rajasthan renders full support to students belonging to SC/ST, OBC and economically weaker sections of society. University follows government reservation rules at the time of admission and offers reserved seats. Also, for catering to their specific requirements University has established **Special Cell for SC/ST. This cell performs the following functions:**

The special cell for SC/ST will perform such function and duties as per instructions/guidelines issued by the UGC/ Govt, of India, from time to time. The University is in process to submit a proposal to the UGC to establish cell for SC/ST as per XII Plan guidelines prescribed by the UGC in case of Central funded institutions.

- **Students participating in various competitions/conferences in India and abroad:**

Central University of Rajasthan provides basic support for registration, transformation accommodation etc. for its students to participate in various academic and extra- curricular competitions organized by recognized agencies e.g Association of Indian Universities etc. University also provides support for its students to participate in conferences within country. However, at present University does not have any mechanism for providing support to its students for participating in competitions and conferences abroad.

- **Health centre, health insurance etc.:** Central University of Rajasthan has a medical centre with staff comprising of Doctor, Compounder and Nurse. The medical centre is reasonably equipped to cater to medical requirements of the University Students. Medical Centre Staff are available round the clock to address any medical emergency within University Campus. Further, University provides Ambulance facility to meet the transportation needs if any student/ staff member is required to be transported to bigger hospital in Kishangarh and or Ajmer.

Central University Rajasthan as offered Health Insurance to all the students at a very nominal charge. This insurance covers all the students for medical expenses and in case of unfortunate and unforeseen death of any student, his/ her nominee would be provided with monetary support of Rs. 1.00 Lacs.

- **Skill development (spoken English, computer literacy, etc.):** At Central University of Rajasthan, students are offered skill development programmes e.g. spoken English and computer literacy etc. as part of their course curriculum. Many Department have a paper on "Communication Skills" as part of their Master programmes. Additionally University Departments organize 'Bridge Courses' and 'Audit Courses' which help the student in skill development and thus enhances their employability.
- **Performance enhancement for slow learners:** Many Departments of the Central University of Rajasthan engage 'Bridge Courses' and 'Remedial Courses' in subject related to the core – course curriculum to help performance enhancement of identified slow learners.
- **Exposure of students to other institutions of higher learning/corporates/business houses, etc.:** Central University of Rajasthan organizes wide variety of academic events that are attended by faculty members and experts from other Universities/ Institutions of higher learning etc. During these events students of

Central University of Rajasthan get ample opportunity to interact with external experts and get exposure about their institutions.

Also, a few students have got the opportunity to visit and work at other University/ Institutions for carrying out their dissertation projects. Such visit and work have given good exposure to the students.

- **Publication of student magazines:** As of now, the Central University of Rajasthan does not publish any specific student magazine. However, different Departments e.g. Department of Culture and Media Studies, Department of Social Work, Department of Economics etc. publish magazines, wherein students get adequate representation.

5.1.9 Does the University provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defense Services, NET/SET and any other competitive examinations? If yes, what is the outcome?

As of now, the Central University of Rajasthan does not conduct coaching classes for helping students who are preparing for civil services, defense services, NET/ SLET and other competitive examination. However, faculty members of Central University of Rajasthan offer guidance upon requests made by students.

5.1.10 Mention the policies of the University for enhancing student participation in sports and extracurricular activities through strategies / schemes such as:

Additional academic support and academic flexibility in examinations: Central University of Rajasthan does not have any specific policy for academic support and flexibility in the examination to enhance students' participation in the sports and extra-curricular activities.

Special dietary requirements, sports uniform and materials: Central University of Rajasthan provides all necessary facilities related to sports uniform, kits, equipments, gears etc. for sports and cultural activities. University also provides DA for covering dietary requirements of participant student during days of travel.

Any other (please specify)

5.1.11 Does the University have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?

The University has its own placement cell, which is part of the career counseling cell and working under the following functions.

- Identification of prospective organizations for summer trainings/ placements
- Correspondence with such organizations
- Maintenance of Data Bank of students/organizations and their key contract Persons
- Follow ups and arranging for summer trainings/placements

- Arranging for campus interviews
- Keeping records and submission of reports to the University office.
- Arrangements of special training for students helpful to the University office.
- Coordination and MoU with various organizations.

University has also established a **Society for Technology Incubation & Development of Entrepreneurs (STIDE)** which is registered under the Societies Registration Act, 1958. This society promotes innovation and entrepreneurship by converting and translating technology ideas and innovation in various disciplines of science and engineering into products, processes and services for commercial exploitation and the benefit of society. To accomplish its goal, STIDE runs and manages an ICT Business Incubator (BI) at CURAJ to facilitate incubation of new enterprises with innovative technologies by admitting them in BI and providing them physical, technical and networking supports and services. Students of the University allowed to take part in the STIDE activities.

Following are the proposal selected as Incubators for STIDE on 6th November 2012.

Sl. No.	Proposal name	Incubator/Company name
1	Craft Mandi	Mr. Manish Kumar Meena Founder & CEO Craftmandi
2	Blood Relationship Family Tree	Mr. Sanjay Kumar Atreya/ Mr. Sanjay Kumar Garg, Jyoti Technology
3	Call Centre Solutions	Mr. Vipin Kumar Gupta & Dr. Nishtha Kesswani, Niom Solicitation Services
4	Counselling, Coaching and Consultancy for SME's	Mr. Abhijit Gajapure & Mr. Tanmay Nagar

5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

Following is the list of students selected during campus interviews by different employers (during the last four years).

Department	Year	Name of the students	Companies / Organizations
Culture and Media Studies	2010-11	0	0
	2011-12	0	0
	2012-13	0	0
	2013-14	0	0
Social work	2010-11	0	0
	2011-12	0	0
	2012-13	0	0
	2013-14	Sandeep Swamy	Pratham

Department	Year	Name of the students	Companies / Organizations
		Dinesh Nagarwal	Pratham
		Rahul Sharma	Pratham
		Kumar Sagarneel	Pratham
Public policy, law and governance	2010-11	0	0
	2011-12	0	0
	2012-13	0	0
	2013-14	0	0
Chemistry	2010-11	0	0
	2011-12	0	0
	2012-13	0	0
	2013-14	0	0
Biotechnology	2010-11	0	0
	2011-12	0	0
	2012-13	0	0
	2013-14	0	0
Biochemistry	2010-11	0	0
	2011-12	0	0
	2012-13	0	0
	2013-14	0	0
Architecture	2011-13	Ajay Sharma	Established his own Architectural design firm. Presently located in Ajmer, Rajasthan.
		Anupriya Pande	Assistant Professor, Department of Architecture, Manipal University, Jaipur.
		Asutosh Bajaj Naveen Kumar	Established in partnership a consultancy firm: "FAST" – Future Assesed Sustainable Technology & Architecture, presently located at Ambala, Haryana.
		Deependra Kumawat	Assistant Professor, Department of Architecture, Ayojan School of Architecture, Jaipur.
		Kumud Mukherjee	Practicing as a Consultant and Valuer in Ahmedabad.
		Megha Mittal	Architect, SHiFt: Studio for Habitat Futures, New Delhi.
		Nidhi Mehrotra	Architect, Priyanke Arjun and Associates, Court Circle, Udaipur, Rajasthan.
		Pankaj Dhayal	Assistant Professor, Department of Arcitecture,

Department	Year	Name of the students	Companies / Organizations
			Jagannath University, Jaipur.
	2012-14	Ashu Dehadani	Guest faculty at MNIT, Jaipur.
		Amit Kumar Jaglan	Architect at New Delhi.
		Lokakshi Gandotra	Inspector (Architect) in BSF, posted at Mohali.
		Manpreet Kaur	Temporarily moved to Australia to explore options for further studies / job opportunities.
		Khushal Matai	Freelancing Architect based at Jaipur.
Statistics	2011-12	Amit Mahalle	Edelwise Tokio, Mumbai.
		Vibha Sharma	KPMG, Bangalore.
		Neil Asher	Swiss Re, Bangalore.
		Swati Nawal	AON-Hewitt-Gurgaon
		Divya Mittal	Max Life Insurance, Noida.
		Manish Sharma	Finical Advisor.
		Rohit Sharma	PHED, Jaipur.
	2012-13	Nitisha Khendelwal	Co-Starch, Jaipur
		Yaminee Jain	The Rain Man, Bangalore.
		Sankalp Singh	The Rain Man, Bangalore.
		Megha Maheswari	The Rain Man, Bangalore.
		Umesh Khatri	WNS Service, Bangalore
		Deepanshu Mittal	Sri Ram Finance Ltd, Jaipur.
		Harish Mehra	The Rain Man
	2013-14	Prabhakar Jha	The Rain Man
		Nitisha Agrawal	Co-Strach , Jaipur
		Trapti Singhal	The Rain Man
	2014-15	Madhumita Mehta	WNS Service, Bangalore
		Shalini Jain	Co-Strach , Jaipur
		Khair-ul-Farhat	Lecturer, Islamic Institute of Science and Technology
		Mohd. Aamir Malik	Co-Strach , Jaipur
		Sadashiv Baidnathan	HDFC, Gurgaon
		Chittapu Syam Kumar	HSBC, Hyderabad
Economics	2010-11	Rakesh Mahawar	Pratham NGO
		Kanika Jain	Pratham NGO

Department	Year	Name of the students	Companies / Organizations	
	2011-12	Nikita Puri	TCS, Baroda	
		Khushub Sharma	TCS, Baroda	
	2012-13	Kuldeep Kumar Lohani	Cleared first round in Muthoot Fincorp, Jaipur.	
	2013-14	0	0	
English	2010-11	0	0	
	2010-12	0	0	
	2011-13	0	0	
	2012-14	0	0	
Environmental Science	2010-11	0	0	
	2011-12	0	0	
	2012-13	Jitendra Prajapat	JEM Consultancy, Jaipur	
		Jay Prakash Kumar	JEM Consultancy, Jaipur	
		Manoj Kumar Saini	JEM Consultancy, Jaipur	
	2013-14	Jeky Chanwala	JEM Consultancy, Jaipur	
Priya Puja		JEM Consultancy, Jaipur		
Computer Science & Engineering	2010-11	0	0	
	2011-12	0	0	
	2012-13	0	0	
	2013-14	0	0	
Computer Science	2010-11	0	0	
	2011-12	Mohit Jamer	Wonder Cement, Kishangarh	
		Tarun	Collectorate, Ajmer	
		Peeyush Morwal	Government Employee	
		Narendra	Government Employee	
	2012-13	Jeetendra Deshwal	Navoday Vidyalaya	
	2013-14	Tanushree	Infosys Jaipur	
		Manish Kumar	Tata Consultancy Services	
	2010-11	0	0	
	Management	2011-12	Bharati Sharma	Genpact, Jaipur
			Swati Goyal	Genpact, Jaipur
			Mukesh Kumawat	Shree Cements Ltd, Beawar
			Nikhil Ganjoo	Bajaj Capital Ltd., Jaipur
			Astha Tak	Bajaj Capital Ltd., Jaipur
Bhavya Soni			Muskaan Foundation, Jaipur	
Sanjeet Kumar			Nexus Business Solution, Noida	
Om Prakash			Nexus Business Solution, Noida	
15 students			Customer First Private Ltd.,	

Department	Year	Name of the students	Companies / Organizations
			New Delhi
		Bhavya Soni	Assistant Professor, Poddar Institute of Management, Jaipur
		Ritesh Dudi	Assistant Commandant, Seema Sashasthra Bal, Ministry of Home Affairs, Govt. of India
		Sunita Godara	Commercial Assistant, Vidyut Vitaran Nigam Ltd., Jaipur
	2012-13	Rahul Kumar	Tata Consultancy Services
		Sudhanshu Sekhar Sethi	Tata Consultancy Services
		02 students	Mayor Infrastructure, Kishangarh
		02 students	Bajaj Capital Ltd.
		02 students	Ananda Rathi Securities
		Ashanjal Singh Yadav	Ambuja Cement
		Avadhesh Gupta	Bank PO
		Dharmaraj Mayura	Bank PO
		Ankur Bharadwaj	Bank PO
		2013-14	Karamveer Kumar
	Tarun Joshi		Pride N Trust (Entrepreneurial startup), Jaipur
	Vinisha Choudhary		Techno Security, Jaipur
	Vishal Moyal		Parle G, Neemrana
	Ankit Gehlot		JRL Group, Indore
	Anurag Singh		Pepsi India, Mumbai
	Mathematics	2009-12	Priyanka Gupta
2010-13		0	0
2011-14		0	0
2012-15		0	0
Hindi	2010-11	0	0
	2011-12	0	0
	2012-13	0	0
	2013-14	0	0
Microbiology	2010-11	0	0
	2011-12	0	0
	2012-13	0	0
	2013-14	0	0

5.1.13 Does the University have a registered Alumni Association? If yes, what are its activities and contributions to the development of the University?

An alumni association was constituted on September 1, 2012 for all of its passing out students of the University.

5.1.14 Does the University have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

As per the Ordinance-28 "Employees and Students' Grievances Redressal Committee" (Section 28(n) of the Act) University established a Mechanism for the Students Grievances Redressal Committee. The Grievances Committee observes the following general principles.

1. The Campus Community should be made fully aware of the grievance redressal mechanism;
2. Every grievance from the student/staff should be registered and acknowledged;
3. If a final decision is not possible within a fortnight, an acknowledgement should be sent to the applicant along with an indication as to when he/she can expect a final reply;
4. As a matter of general rule no grievances should be pending beyond the limit of three months;
5. The officer nominated by the Vice Chancellor and the person responsible for addressing grievances should make himself/herself freely available to hear the grievances personally, at least once a week at fixed timings; and
6. He/she will take decisions on grievances which are pending for more than three months. Aggrieved parties who are not satisfied with redressal in subordinate/attached formation can approach the Vice Chancellor for a decision.

The composition of Student Grievance Redressal Cell is as follows:

Chairman : The Pro Vice-Chancellor or such other person to be nominated by the Vice-Chancellor.

Members:

Three representatives of Students' Council.

Three nominees of the Vice Chancellor.

Dean of Students' welfare, Member-Secretary.

Dean of the School concerned (special invitee)

5.1.15 Does the University promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

Upholding the commitment to provide an environment free of gender based discrimination, sexual harassment and other acts of gender based violence,

the University has established a cell named Apex Body of SPARSH under the Ordinance 21(Act Section 28 (n)). Besides the internal members, the cell has included a third party NGO member (presently Ms. Pradnya Deshpande, Director, NGO SHAKTI) to maintain its objectivity. Being the anti-sexual harassment cell of the University, it is a forum to lodge complaint against any act that outrages the modesty of women. There is a specific mechanism for the redressal of complaints. In case of any complaint, the cell takes up the issue for resolution as promptly as possible. It is referred to the University Complaint Committee (UCC) which is a sub-committee of Apex Body of SPARSH.

The University conducted various gender sensitization programs through the cell. Following four major events were organized to create a healthy, cordial and safe working environment on the campus.

- Poster Exhibition on “Gender Equity” on 13th September 2013,
- “Counselling cum Sensitisation Session” on 17th September 2013,
- Talk on “Gender Equity and Gender Sensitisation” on 9th October 2013 and
- Two-Day-Counselling Session “Let’s Share Our Thoughts” on 18-19th February 2014.

These programs aimed to sensitize faculty as well as students for developing a healthy approach free from any kind of gender prejudices. These events received a good response with large turnout and active participation of faculty, students and administrative staff.

5.1.16 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

The University has its Anti-Ragging committee. All cases of ragging are strictly dealt with as per provision under ORDINANCE 22 Curbing the Menace of Ragging in Higher Educational Institutions (Act Section 28 (n)).

5.1.17 How does the University elicit the cooperation of all its stakeholders to ensure the overall development of its students?

Central University of Rajasthan organizes meetings, seminars, and other activities (e.g. Faculty Orientation Meetings, Academic Council Meeting, Executive Council Meeting, Finance Committee Meeting, Students Council Meeting, University Court Meeting etc.) which involve different stakeholders to take their recommendation/ suggestion and include them in decision making process. Thus University ensures overall development of its students.

5.1.18 How does the University ensure the participation of women students in intra and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

Central University of Rajasthan ensures participation of women students in intra- and inter institutional sports competitions and cultural activities by organizing gender specific activities for women students.

5.2. Student Progression

5.2.1. What is the student strength of the University for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

Student progression for the last four years

Department	Year	UG to PG	PG to M. Phil.	PG to Ph. D.	Ph. D. to Post-Doctoral	Campus selection	Other than campus
Culture and Media Studies	2010-11		0	2	0	0	0
	2011-12						
	2012-13						
	2013-14						
Social work	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0
	2013-14	0	0	0	0	4 (22 %)	14 (77 %)
Public policy, law and governance	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0
	2013-14	0	0	2	0	0	0
Chemistry	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	0	18	0	0	0
	2013-14	0	0	35	0	0	0
Biotechnology	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	0	6 (33 %)	0	0	3 (15 %)
	2013-14	0	0	4 (25 %)	0	0	0
Biochemistry	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0
	2013-14	0	0	2 (10 %)	0	0	10 %
Architecture	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	0	0	0	100 %	
	2013-14	0	0	0	0	100 %	
Statistics	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	8
	2012-13	0	0	0	0	0	7
	2013-14	0	0	7.14 %	0	0	3
Economics	2010-11	0	0	1	0	2	
	2011-12	0	0	2	0	2	
	2012-13	0	0	1	0	0	0
	2013-14	0	0	0	0	0	0
English	2010-11	0	0	0	0	0	0
	2010-12	0	3	5	0	0	3
	2011-13	0	0	5	0	0	1
	2012-14	0	1	1	0	0	0
Environmental Science	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	2	7	0	0	3

Department	Year	UG to PG	PG to M. Phil.	PG to Ph. D.	Ph. D. to Post-Doctoral	Campus selection	Other than campus
	2013-14	0	1	1	0	0	2
Computer Science & Engineering	2010-11	0	0	0	0	0	0
	2011-12	0	0	1 (4.1 %)	0	0	21
	2012-13	0	0	1 (4.1 %)	0	0	19
	2013-14	0	0	1 (6 %)	0	0	4
Computer Science	2010-11	0	0	0	0	0	0
	2011-12	0	0	28 %	0	0	0
	2012-13	0	0	15 %	0	0	0
	2013-14	0	0	0	0	0	16 %
Management	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	0	2	0	0	0
	2013-14	0	0	0	0	0	0
Mathematics	2009-12	0	0	4	0	2	3
	2010-13	0	0	2	0	0	4
	2011-14	0	0	1	0	0	3
	2012-15	0	0	0	0	0	0
Hindi	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0
	2013-14	0	20 %	40 %	0	0	35 %
Microbiology	2010-11	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0
	2013-14	0	0	1	0	0	1

5.2.2. What is the programme-wise completion rate during the time span stipulated by the University?

The programme-wise completion rate during last 5 years of existence of Central University of Rajasthan has been more than 90% as only a very few students have either dropped out or failed to complete the course taken

5.2.3. What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, GATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?

Number of students qualified (appeared) in examinations (during the last four years).

Examination ↑ Dept. ↓	Year	UGC- CSIR- NET	UGC- NET	SLET/ SET	CAT / GRE / TOFEL / GMAT / ACET	CENTRAL / STATE SERVICES	DEFENSE	CIVIL SERVICES	GATE	Etc.
Culture and Media Studies	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0	0	0	0
	2013-14	0	0	0	0	0	0	0	0	0
Social Work	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0	0	0	0
	2013-14	0	3 (12)	0	0	0	0	0	0	0
Public Policy, Law and governance	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0	0	0	0
	2013-14	0	1 (8)	0	0	0	0	0	0	0
Chemistry	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	1 (2)	0	0	0	0	0	0	2 (6)	0
	2012-13	3 (9)	0	0	0	0	0	0	2 (6)	0
	2013-14	4 (8)	0	0	0	0	0	0	6 (10)	0
Biotechnology	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0	0	0	0
	2012-13	3 (31)	1 (4)	0	0	0	0	0	4 (17)	0
	2013-14	3 (14)	0	0	0	0	0	0	4 (10)	2 (10) (DBT-JRF)
Biochemistry	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0	0	0	0
	2013-14	0	0	0	0	0	0	0	1	1 (1) (IASc-

Examination Dept. ↓	Year	UGC- CSIR- NET	UGC- NET	SLET/ SET	CAT / GRE / TOFEL / GMAT / ACET	CENTRAL / STATE SERVICES	DEFENSE	CIVIL SERVICES	GATE	Etc.
Architecture	2010-11	0	0	0	0	0	0	0	0	INSA- NASI)
	2011-12	0	0	0	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0	0	0	0
	2013-14	0	0	0	0	1 (2)	1 (1)	0	1 (4)	0
	2010-11	0	0	0	0	0	0	0	0	2 (11) (CT- paper of IAI)
Statistics	2011-12	0	0	0	6 (8)	0	0	0	0	0
	2012-13	0	0	0	6 (8)	0	0	0	0	0
	2013-14	0	0	0	6 (8)	0	0	0	2 (2)	0
	2010-11	0	0	0	0	0	0	0	0	0
Economics	2011-12	0	2 (4)	0	0	0	0	0	0	0
	2012-13	0	4 (7)	0	0	1 (5)	0	0	0	0
	2013-14	0	0	0	0	1 (2)	0	0	0	0
	2010-11	0	0	0	0	0	0	0	0	0
English	2010-12	0	2 (8)	0	0	0	0	0	0	0
	2011-13	0	3 (10)	2 (10)	0	0	0	0	0	0
	2012-14	0	0	0	0	0	0	0	0	0
	2010-11	0	0	0	0	0	0	0	0	0
Environmental Science	2011-12	0	0	0	0	0	0	0	0	0
	2012-13	2 (15)	2 (15)	0	0	0	0	0	0	0
	2013-14	2 (31)	4 (31)	1 (1)	0	0	0	0	3 (21)	2 (3) (ASRB- NET)

Examination Dept. ↓	Year	UGC- CSIR- NET	UGC- NET	SLET/ SET	CAT / GRE / TOFEL / GMAT / ACET	CENTRAL / STATE SERVICES	DEFENSE	CIVIL SERVICES	GATE	Etc.
Computer Science & Engineering	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	0	4	1	0	3	0	0	11	0
	2012-13	0	3	0	0	2	0	0	17	0
	2013-14	0	0	0	0	0	0	0	15	0
Computer Science	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	0	2	0	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0	0	0	0
	2013-14	0	0	0	0	0	0	0	0	0
Management	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	1	3	0	0	1	1	0	0	0
	2012-13	0	11	0	0	0	0	0	0	3 (Bank PO)
Mathematics	2013-14	0	5	0	0	0	0	0	0	0
	2009-12	2	0	1	0	3	0	0	3	0
	2010-13	1	0	2	0	4	0	0	4	0
	2011-14	0	0	0	0	2	1	0	0	0
	2012-15	1	0	0	0	0	0	0	0	0
Hindi	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	0	1 (3)	0	0	0	0	0	0	0
	2012-13	0	8 (10)	0	0	0	0	0	0	0
	2013-14	0	15 (17)	0	0	0	0	0	0	0
Microbiology	2010-11	0	0	0	0	0	0	0	0	0
	2011-12	0	0	0	0	0	0	0	0	0
	2012-13	0	0	0	0	0	0	0	0	0
	2013-14	1 (19)	0	0	0	0	0	0	2	0

5.2.4. Provide category-wise details regarding the number of Ph.D./D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last four years.

The University has started Ph. D. Programme in the academic session 2012-13. Hence there is no any submission of Ph.D./D.Litt./D.Sc. theses till date.

5.3. Student Participation and Activities

List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

Sports:

The University has excellent facilities for sports and games. There is one cricket ground, four tennis courts, two basket ball courts, two volley ball courts in the campus. Besides, there are four badminton courts in boys and girls hostel. Recently, a Kabbadi ground is also developed in the University campus. Students take part in an inter University sports competition as well as youth festivals.

The University has constituted a sports committee, which has the following functions:

- Make arrangements and supervise the games and sports of the University and frame Regulations in this regard;
- Frame the budget for games and sports;
- Allocate finances to the various clubs;
- Maintain the play-grounds, gymnasias, swimming pools of the University;
- Hold contests, Competitions, tournaments, athletic meets etc;
- Recommend the Vice- Chancellor names of the outstanding players and sportsmen
To be nominated for admission;
- Perform such other functions, as may be assigned to it by the Academic Council from time to time.
- Take measures to attract the sports talent available in the University.

In the University there are various Games and Sports Clubs such as Cricket, Football, Basketball, Table Tennis(Boys), Table Tennis(Girls), Badminton (Boys), Badminton (Girls), Chess (Boys & Girls), Carrom (Boys), Carrom (Girls), Kabaddi, Kho – Kho, Athletics(Boys &Girls), Volleyball. These clubs organize activities in the University from time-to-time.

National Service Scheme:

The overall aim of National Service Scheme, is to give an extension dimension to the higher education system and orient the student youth to community service while they are studying. The educated youth who are expected to take the reins of administration in the future are found to be unaware of the problems of the village/slum community and in certain cases are indifferent towards their needs and problems.

Therefore, it is necessary to arouse the social conscience of the students, and to provide them an opportunity to work with the people in the villages and slums. It is felt that their interaction with the common villagers and slum dwellers will expose them to the realities of life and bring about a change in their social perception. The NSS volunteers get appropriate weightage if he/she completes 2 years in NSS and gets the certificate.

NSS Activities: The central University of Rajasthan initiated NSS as an extra curriculum activity for the students.

Following are some activities done by the NSS:

Tree Plantation: During the first phase of this program, NSS did tree plantation at the temporary boys hostel located at Kishangarh, Ajmer.

Campus Cleaning: One-day camp was organized for campus cleaning at CURAJ Campus under the activity of NSS on 20th September 2011.

Blood Donation Camp: A blood donation camp was organized in association with JLN Medical College & Hospital, Ajmer.

Youth Week: NSS celebrated Youth Week in the University campus during January 16-18, 2013. Following activities were organized under this event:

- Essay Competition (Topic:-The continuing introduction of new technologies and new media adds little to the quality of education)
- Poster Competition (Topic:-Youth Involvement in Social Activities)
- Debate Competition (Topic: Facebook: A social Network, a Revolution or A time waste and a diversion from Indian culture and Values)
- Motivational Lecture for Youth, by Dr. Satish Batra (UoR).

5.3.2 Give details of the achievements of students in co-curricular, extra-curricular and cultural activities at different levels: University / State/Zonal / National / International, etc. during the last four years.

Students are also encouraged to participate in the co-curricular, extra-curricular and cultural activities.

- In year 2010, students have performed in various literary and cultural events in the National and Western Zone Youth Festival in Gwalior during 26th Nov. to 1st Dec. 2010.
- Students of the University have participated in the International Youth Festival Bani-Thani organized by the M.D.S. University, Ajmer in April 2011. Students of the University have won awards in Fashion Show, Debate Competition, Dum-Charades, Dance, Mime and Alpana competitions during this festival.
- 40 students of the University had participated in the 9th AIU UNIFESTS 2013-14, National Program for Youth and Adolescent Development (NPYAD) for the West Zone at Shivaji University, Kolhapur from 26th to 30th December 2013. Students take place in the activities like Music, Dance, Literary events, theatre and Fine arts.

5.3.3. Does the University conduct special drives/campaigns for students to promote heritage consciousness?

Yes, Central University of Rajasthan conducts special programmes for students to promote heritage consciousness. This objective is achieved through Department of Culture and Media Studies.

5.3.4. How does the University involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/materials brought out by the students during the last four academic sessions.

At Central University of Rajasthan, different Departments have constituted Departmental Clubs. Students members associated with these Clubs are encouraged to publish their ideas on club magazine.

5.3.5. Does the University have a Student Council or any other similar body? Give details on its constitution, activities and funding.

At Central University of Rajasthan, there is a provision for Student Council. The constitution of Student Council has been approved as per the University Ordinance. The composition of Student Council is as follows:

- 1 Student representative/ per department – through election procedure and
- 1 Student representative/ per department – through nomination process.

Thus the current Student Council of Central University of Rajasthan comprises of a total of 40 Student Representatives from 20 Departments.

The activities and functional characteristics of Student Council are:

- To represent Students at various forums in the University.
- Put up the requests of students with regards to academics, research and extra-curricular activities.
- Coordinate with University Administration for organization of student-oriented activities, e.g. placement fair, sports events, cultural events etc.

The funding requirements of University Student Council are met from the Central Funding available with University.

5.3.6. Give details of the various academic and administrative bodies that have student representative on them. Also provide details of their activities.

At Central University of Rajasthan student representatives are members on following statutory bodies of the University:

- Academic Council
- Student Council
- Student Grievance Redressal Committee
- Special Cell for SC/ ST
- University Library Committees
- University Sports Clubs/ University Sports Committee

Major activity of student representatives on these committees is to represent University Students and bring in their opinion in the decision making process.

CRITERION - 6
(GOVERNANCE, LEADERSHIP
AND MANAGEMENT)

CRITERION - 6

(GOVERNANCE, LEADERSHIP AND MANAGEMENT)

6.1. Institutional Vision and Leadership

6.1.1. State the vision and the mission of the University.

Vision

The Central University of Rajasthan aspires to be one of India's most dynamic and vibrant universities, responsive to the changing global trends, providing unparalleled educational opportunities for the learner community especially for those coming from the lower socio- economic strata of society seeking quality education. It proposes to offer innovative undergraduate and graduate academic programmes as well as continuing personal and professional enrichment in selected areas that will lead to the formation of a scholarly community by advancing, sharing and applying knowledge and by facilitating the development of thoughtful, creative, sensitive and responsible citizens.

Mission

The mission of the Central University of Rajasthan is to contribute to and work with a sense of Commitment towards the educational, cultural, economic, environmental, health and social advancement of the region and the nation at large by providing excellent undergraduate liberal education and quality programs leading to bachelors, masters, professional and doctorate degrees.

6.1.2. Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.?

The Universities motto **Education for Sustainable Development** lends it unique and distinctive characteristics. The University thus endeavors to address global demand for professionals, scientists and academicians in different fields with 'sustainability' as common thread. Various programmes being run under different schools have a focus on the 'triple bottom line' – Economic sustainability, Societal sustainability and Environmental sustainability. While the School of Humanities, and Social Sciences focus on the need of the community at large, the School of Earth Science focuses on Environmental aspect, the school of Architecture focuses on sustainable habitat and infrastructure development. Likewise the school of Physical science and school of Chemical science have sharp focus on subjects like green chemistry etc, the school of computational science and statistics, school of commerce and management prepares students to address the core need of economic development. The University endeavors to prepare the students towards entrepreneurship and innovation and thus be able to serve the community.

6.1.3. How is the leadership involved?

- **In ensuring the organization's management system development, implementation and continuous improvement?**
- **In interacting with its stakeholders?**

- **In reinforcing a culture of excellence?**
- **In identifying organizational needs and striving to fulfill them?**

The University functions through an approach of participative leadership where in committees have been constituted for various functions of the University. All officers and faculty members of the University follow the open door policy so that all stakeholders are able to air their grievances and provide developmental feedback.

Formal face to face interaction with students and faculty members at the level of Vice Chancellor is institutionalized. These 'open-house' sessions provide opportunity to all faculty members and students to express their views and contribute towards development of the University.

The University also encourages exchange of information through e-mails. It is well established practice that all office functionaries and academicians including the Vice Chancellor attend to every mail sent by each person irrespective of his / her status / position.

6.1.4. Were any of the top leadership positions of the University vacant for more than a year? If so, state the reasons.

NO. Except for few positions of regular professors all top leadership posts are filled in.

6.1.5. Does the University ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes

6.1.6. Does the University promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, at Central University of Rajasthan, there is a strong culture of participative management. As a matter of practice the Hon'ble VC engages the Deans and Heads of the Department in a consultative process while taking decisions. Besides such consultative meetings and informal discussions formal committees ensure participation of stakeholders in decision making processes. At the departmental level the substantial autonomy is available and Deans and HoDs engage in the process of participative management.

6.1.7. Give details of the academic and administrative leadership provided by the University to its affiliated colleges and the support and encouragement given to them to become autonomous.

Not applicable since Central University of Rajasthan is a non- affiliating and unitary University.

6.1.8. Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

Not applicable since Central University of Rajasthan is a non- affiliating and unitary University.

6.1.9. How does the University groom leadership at various levels? Give details.

The University is committed to the concept of "total leadership" meaning thereby that every individual must play a proactive role and share the responsibility. To develop leadership skills, the University has, from time to time organized programmes and sessions on leadership skill for the faculty and students of the University. A Leadership summit was organized by the University in 2011-12 (Annual Report). The young faculty members and admin staff of the University have also participated in the session related to leadership skills as a part of formal orientation training programme.

Teaching community have formalized association of teachers CURTA that provides ample opportunities for grooming of leadership skills at all levels.

6.1.10 Has the University evolved a knowledge management strategy? If yes, give details.

Meticulous record keeping and monitoring mechanism is an important and integral part of the University's functioning. In order to ensure that the institutional systems take precedence over individual position, all decisions are recorded elaborately.

6.1.11 How the following values are reflected the functioning of the University?

Fostering global competencies among students

Inculcating a sound value system among students

Promoting use of technology

Quest for excellence

Fostering global competencies among students: The University invites national and international experts on regular basis who interact with students. Theoretical courses and internships provide opportunities among students to develop competencies required by multinational companies. Students' exchange programme is another mechanism through which students develop global competencies.

Inculcating a sound value system among students: Besides personalized counseling special grooming by each department is done to enhance ethical behavior and inculcate life values that promote sustainable development. SPARSH the apex body for gender sensitization regularly conducts programmes to encourage healthy working environment in the campus. Proctor and Chief Warden with his team of wardens and other colleagues endeavor to counsel the discipline the students and ensure appropriate behavior. Dean of Students Welfare regularly interacts with all students and constantly works towards fostering healthy academic environment where all students can freely interact and air their opinion on various matters related to their development.

Promoting use of technology: The whole University campus including hostels and academic blocks has wi-fi connectivity. This allows students to access information easily. In addition video conferencing facilitates permit access to lectures from other institutions. At departmental level faculty

members encourage students to participate in webinars. At infrastructural level renewable energy technologies are integral to campus development. The University serves as a living laboratory to demonstrate use of innovative and renewable energy technologies like solar photo voltaic, solar thermal, geo-thermal cooling, solar passive design of buildings etc. Likewise all the waste water is recycled through non-mechanical (biological) processes and used for landscaping etc.

Quest for excellence: University's quest for excellence is demonstrated in sustainable development of the campus and also academic systems. All departments consistently endeavor to enhance quality of teaching and research and the same is monitored through academic audits and feedback mechanisms.

6.2. Strategy Development and Deployment

Central University of Rajasthan has developed a clear vision for its development. These plans are guided by various University Authorities including University Executive Council that is the apex decision making body of the University. The Executive Council oversees and provides recommendations to other University authorities e.g. University Planning and Management Board, University Academic Council, Deans' Committee for future expansion of the University towards achieving the objectives of the University.

6.2.1 Does the University have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

- **Vision and mission:**

Vision

The Central University of Rajasthan aspires to be one of India's most dynamic and vibrant universities, responsive to the changing global trends, providing unparalleled educational opportunities for the learner community especially for those coming from the lower socio- economic strata of society seeking quality education. It proposes to offer innovative undergraduate and graduate academic programmes as well as continuing personal and professional enrichment in selected areas that will lead to the formation of a scholarly community by advancing, sharing and applying knowledge and by facilitating the development of thoughtful, creative, sensitive and responsible citizens.

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- **Teaching and learning:**

At Central University of Rajasthan, the quality of teaching- learning process is maintained to the highest standards. It is achieved by designing and development of academic curriculum to meet the demands of the modern

day job avenues. Teaching learning process has been made student centric through various approaches e.g. semester system, continuous assessment, choice- based credit system, elective courses, audit courses and dissertation projects etc. Further, University has established Students' grievance cells for making teaching – learning process transparent. University has also made availability of financial assistance for meritorious students.

- **Research and development:**

Central University of Rajasthan has been constantly promoting its faculty and students to take up challengeing research activities that are also relevant to demands of Industry and society.

- **Community engagement:**

At Central University of Rajasthan, there is no formal system for engagement of faculty and students with community activities, yet many Departments of the University conduct visits, surveys and socio- economic studies for developing understanding about the local community

- **Human resource planning and development:**

At Central University of Rajasthan, the Human Resource Planning and Development is achieved through regular curriculum teaching, practical training, dissertation projects, short term industrial/ institutional training for University students. Central University of Rajasthan encourages its teaching and non- teaching faculty to attend workshops, seminar and training programmes e.g. Academic Staff College mediated Faculty Orientation Programmes and Refresher Courses.

- **Industry interaction**

To ensure industry interaction, Central University of Rajasthan encourages its faculty and students to organize conferences, seminar and workshops in collaboration with Industries. Also, University invites experts from Industry to participate in various programmes of the University. During these visits, the faculty members and students of the University interact with industry experts and understand the requirements of industry related activities.

- **Internationalization**

For promoting international visibility of Central University of Rajasthan, University has signed a number of MoUs with International Universities from several countries including United States of America, Europea, South East Asia, South America etc. Further, University also encourages its faculty members to collaborate with foreign research experts in their field of interest to improve the visibility of University at International level. Many of the faculty members have published their research findings in international journals of high repute. University is also making sincere attempts for attracting students from foreign countries for various teaching and research programmes. These activities have helped in internationalization of Central University.

6.2.2 Describe the University's internal organizational structure and decision making processes and their effectiveness.

The University has very well established organizational structure. Ordinances and office orders delegate powers to various positions. The detailed organization structure is as follows:

Univeristy Administration:

- Honorable Vice Chancellor
- Founder Vice Chancellor
- Registrar
- Finance Officer
- Controller of Examination
- Dean Academics/ OSD – Academics
- University Proctor and Chief Hostel Warden
- Deputy Registrar- Establishments
- Deputy Registrar- Finance
- University Public Relation Officer

University Authorities (Councils and Committes): At Central University of Rajasthan following University Authority are instituted:

- University Court
- Univeristy Executive Council
- University Academic Council
- University Finance Committee
- University Planning and Monitoring Board

The constitutiona and composition of each of the above council and committee are defined as per the University Ordinance. These authorities are directly involved in the formulation of guidelines and their execution to ensure that University makes progress as per the defined Vision, Mission and Objectives.

Academic Set- up: Academics in Central University of Rajasthan functions through following Schools and Departments.

School of Architecture

- Department of Architecture

School of Chemical Sciences and Pharmacy

- Department of Chemistry
- Department of Pharmacy

School of Commerce & Management

- Department of Commerce
- Department of Management

School of Engineering and Technology

- Department of Computer Science & Engineering

School of Earth Science

- Department of Environmental Sciences

School of Life Sciences

- Department of Biochemistry
- Department of Biotechnology
- Department of Microbiology

School of Humanities & Languages

- Department of English
- Department of Hindi

School of mathematics, Statistics & Computational Sciences

- Department of Mathematics
- Department of Statistics
- Department of Computational Sciences

School of Social Science

- Department of Culture & Media Studies
- Department of Economics
- Department of PPLG
- Department of Social Work

School of Physical Sciences

- Department of Physics

Each School has “School Board” for guiding and monitoring the functionality of the School and constituent Departments.

The decision making process followed at Central University of Rajasthan is participative and involves above structure of University Authorities, University Administration and University Academic Set to ensure transparency and objectivity in all decisions. Involvement of stakeholders is also ensured through inclusive nature of above bodies.

6.2.3 Does the University have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

Central University of Rajasthan has adapted well documented and formal policy for ensuring teaching-learning quality through its structural organization consisting of University Administration, University Authority, University Academic – set up. Additionally, University has also established **Internal Quality Assurance Cell (IQAC)** to fulfil the requirements of academic quality.

6.2.4 Does the University encourage its academic departments to function independently and autonomously and how does it ensure accountability?

For academic purposes all Schools have autonomy. Budget allocation in the beginning of the year allows financial autonomy too. Each department maintains its own ‘Funds Control’ register so as to ensure financial accountability.

6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?

It is a matter of great satisfaction that there are hardly any court cases against the University.

6.2.6. How does the University ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?

Central University of Rajasthan has established a well defined mechanism for promptly addressing grievances and resolve them effectively. University has established a number of grievances committees (e.g. Students grievances redressal committee, Faculty grievances redressal committee, Special Cell for

SC/ST, Anti- Sexual Harasment Committee and Anti- Ragging Committee etc.). Additionally, Univeristy Departments and concerned officers at Departments also ensure that grievances from students and faculty members are promptly attended and resolved effectively.

6.2.7 Does the University have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Student's feedback on teaching learning processes is taken once every semester by the Dean Academics. This is reviewed by Hon'VC who in turn provides confidential feedback to the faculty members directly. (Records of the confidential faculty feedback are available with University).

6.2.8 Does the University conduct performance audit of the various departments?

The University has initiated a system of formal academic audit of all departments by external experts. This is discussed in the School Board and corrective measures taken where required.

6.2.9 What mechanisms have been evolved by the University to identify the developmental needs of its affiliated institutions?

Not applicable since Central University is a non- affiliating University.

6.2.10 Does the University have a vibrant College Development Council (CDC) / Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

The physical development of the University has been possible due to active involvement of administrators, technocrats and faculty members of the University. The University has a very vibrant Building and Works Committee and a Technical Committee consisting of Architects, Engineers, Planners, and Administrators, Academic leaders drawn from internal as well as external resources. For all administrative and academic functioning system of committees exist that guide the development of the University.

6.3. Faculty Empowerment Strategies

6.3.1. What efforts have been made to enhance the professional development of teaching and non-teaching staff?

Professional development of entire University team is taken care of through formal training programmes organized by the University from time to time. University invited Academic Staff College Jodhpur to organize the one month long faculty orientation programme. Similar development programmes have been organized by the University for Non-teaching Staff. In addition all faculty are encouraged to participate in training programmes and conferences for which financial assistance is provided by the University.

6.3.2. What is the outcome of the review of various appraisal methods used by the University? List the important decisions.

The Central University of Rajasthan has well formulated mechanism to review the progress and quality of faculty members periodically. This mechanism is

implemented through submission of Annual Self Appraisal Reports that are reviewed by HoD, Deans and Honourable Vice Chancellor.

6.3.3. What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

At Central University of Rajasthan, both teaching and non-teaching faculty/staff get benefit of several welfare schemes which are offered as part of the Central Government Schemes. University faculty gets medical benefits, child education benefit, LTC benefit, festival cash advance benefit and all the other benefits as per the rules and regulations of the Government of India.

6.3.4. What are the measures taken by the University for attracting and retaining eminent faculty?

The University has consistently endeavored to attract best faculty from various premier institutions of the country and other organizations. In order to attract eminent professionals the University consistently endeavors to seek 'Chairs' sponsored by the industry. The Bank of India Chair is one such example.

6.3.5. Has the University conducted a gender audit during the last four years? If yes, mention a few salient findings.

Central University of Rajasthan has recently conducted the Gender Audit of the University under the research coordination of Dr. Gyana Ranjan Panda, Assistant Professor in the Department of Public Policy, Law and Governance (PPLG) of School of Social Sciences. The Gender Audit process of the University began with a half-day workshop on Gender Audit held on January 2, 2014 in which all women teaching and non-teaching staffs, Deans and HoDs of various schools attended. Prof. Vijaylaxmi Chauhan the former head of Department of Psychology of the Mohanlal Sukhadia University, Udaipur and Dr. Jayshree Singh, Associate Professor and Head of the Department of English in Bhupal Nobles Post Graduate Co-Ed. College of Mohanlal Sukhadia University, Udaipur are the two external experts helped in facilitating the proceeding of the workshop.

The Gender Audit of the University is carried out with the objectives of assessing the extent of gender responsiveness being developed in terms of infrastructural facilities, course curriculum; identifying and sharing information on mechanism, practices and attitudes that would positively contribute to gender sensitivity in the University; examining the representation of women at different levels of the University and finally identifying gaps for improvement and suggests possible strategies to make the University system more gender sensitive. The findings suggest for improving gender enabling environments in the composition of staffs both at the teaching and non-teaching levels. It also further points to the need for creating more women friendly infrastructures and facilities in the University. However, the University has taken strong initiatives to provide hostel and accommodation facilities to all girl students and women faculties in the campus.

The lighting of the street, transport facilities, security and safety concerns of the girls and women have been adequately addressed. More importantly, the

University is strongly implementing policy against sexual harassment under the apex body of SPARSH which has been constituted as per the University Ordinance 21 as per the Vishakha Guidelines. The University is consistently rising up on several occasions by organizing talks / lectures in order to create gender sensitive environment in the campus.

6.3.6. Does the University conduct any gender sensitization programmes for its faculty?

Upholding the commitment to provide an environment free of gender based discrimination, sexual harassment and other acts of gender based violence, the University has established a cell named Apex Body of SPARSH under the Ordinance 21(Act Section 28 (n)). The University conducted various gender sensitization programmes through the cell during the academic session 2013-14. Four major events including a Poster Exhibition on "Gender Equity" on 13 September 2013, a "Counselling cum Sensitisation Session" on 17 September 2013, a Talk on "Gender Equity and Gender Sensitisation" on 9 October 2013 and a Two-Day-Counselling Session "Let's Share Our Thoughts" on 18-19 February 2014 were organised to create a healthy, cordial and safe working environment on the campus.

These programmes aimed to sensitize faculty as well as students for developing a healthy approach free from any kind of gender prejudices. These events received good response with large turnout and active participation of faculty, students and administrative staff. It facilitated interactive sessions of the University staff and students with eminent resource persons like Prof. Lad Kumari Jain, Chairperson, Rajasthan State Commission for Women, Prof. Kshama Agarwal, Director, Centre for Women Studies, University of Rajasthan, Prof. Asha Hingar, Director, Dr. Asha Hingar's Psychological Counselling Point and Former Professor of Psychology, University of Rajasthan, Ms. Pradnya Deshpande, Director, NGO Shakti. Besides it, three faculty members including ABS chairperson Dr. Bhumika Sharma, Dr. Tulsi Giri Goswami and Ms. Anuradha Mittal were deputed to attend a 3-Day-Training Programme on "Prevention of Sexual Harassment at Work Place" organised by H. C. M. Rajasthan State Institute of Public Administration from 24-26 February, 2014.

6.3.7. What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the University faculty?

The University is yet to establish its own Academic Staff College. However faculty members of the University have been nominated to participate in the training programmes by the Academic Staff College of the Rajasthan University. A onsite programme was also organized by the Academic Staff College of the JNVU, Jodhpur.

6.4. Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

- The University is preparing its financial books as per accrual accounting system and as per approved standard chart of accounts for proper monitoring and accounting of all financial transactions.
- University is preparing its budget as per UGC directives under sub head non-recurring, recurring and salary and head wise expenditures are controlled through fund indent clearance before commitment of any expenditure.
- All external payments are made either through account payee cheques or through bank transfers. Also payments of Rs. 20,000/- or above are made through account payee cheques only. All bills/ vouchers are processed after pre-audit, only. All recurring expenditure of the Institute is optimized and controlled as per budgetary limit.
- All receipts are deposited in the concerned Account and same is controlled through accrual accounting system and monthly reconciliation of all Bank Accounts. All receivable are properly monitored and reconciliation are made.
- All purchases are made after obtaining approval of University Purchase Committee and/or University Authorities, as per University Purchase Rules and after observing GFR provisions. Instruments/equipment are usually purchase on three years warranty.
- Financial provisions are made to develop the institute Perspective Plan after considering the requirement of existing/ new courses and all its infrastructural needs.
- Separate Cell has been established for monitoring of all sponsored projects accounts and its expenditures.

6.4.2 Does the University have a mechanism for internal and external audit? Give details?

Yes, the University has a mechanism for internal and external audit. The internal audit is done through "Internal Auditor" and also through external Chartered Accountant. Every bill is passed after pre audit. The irregularities pointed out by the internal auditor are corrected before passing the bills. Annual Accounts are prepared by Chartered Accountant as per standard formats/ directives, provided by the UGC.

After approval of the Annual Accounts by University Finance Committee and Executive Council, the same is forwarded to statutory Auditors i.e. C&AG. The statutory/external audit is conducted by Principal Director of Audit (Central), Indian Audit and Accounts Department Jaipur/ Ahmedabad as per section 31 (1) of the Central University Act 2009 and under section 19 (2) of the Comptroller and Auditor General's Act 1971. The Audited Annual Accounts and the Audit Reports are considered by FC and after approval of EC and Court, the same is forwarded to MHRD for further laying the same before the both Houses of Parliament.

There is an internal auditor.

6.4.3 Are the University accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?

Yes. The University accounts are regularly audited by Statutory Auditors i.e. by Principal Director of Audit (Central), Indian Audit and Accounts Department Jaipur/ Ahmedabad. The Audit Reports and Audited Accounts are presented before FC and EC. No major audit objection is there against accounts of 2009-2010 to 2013-2014. However, audit objections are properly dealt and addressed if rose by the auditors. Being a Central University, the University follows all statutory compliance mechanisms.

6.4.4 Provide the audited income and expenditure statement of academic and administrative activities of the last five years.

The audited income and expenditure statement of University is as follows:

Year	Income (Rs. In Lakhs)	Expenditure (Rs. In Lakhs)
2009-10	422.42	156.68
2010-11	6560.26	370.31
2011-12	2473.20	1043.01
2012-13	1767.73	1767.73
2013-14	2471.23	2471.23

6.4.5 Narrate the efforts taken by University for resource mobilization.

University has taken a decision to increased 10% of its fee, every year. All the Accounts in the bank has been opened as Saving Bank Accounts with sweeping facility. Also energy efficient street lighting system with LED lights, Solar Water Heating System, Solar Street Light System etc. has been introduced.

6.4.6 Is there any provision for the University to create a corpus fund? If yes, give details.

University has created Corpus Fund for Merit Scholarship. Also, a Corpus/ Capital Fund is shown in the books of Accounts for proper accounting of Non-Recurring Grants as per accounting standard.

1.5 Internal Quality Assurance System

1.5.1 Does the University conduct an academic audit of its departments, If yes, give details?

Yes, all the departments conducted academic audit in the year of 2014 for the period since inception till date.

1.5.2 Based on the recommendation of the academic audit, what specific measures have been taken by the University to improve teaching learning and evaluation?

Based on the recommendations of the academic audit, slow learners were identified and accordingly bridge course were designed to help such group of students. Remedial classes are also introduced by some of the departments as per requirements.

1.5.3 Is there a central body within the University to continuously review the teaching learning process? Give details of its structure, methodologies or operations and outcome?

Yes, through IQAC cell for general academic audit and through Dean (Academics) office for annual feedback from students.

1.5.4 How has the IQAC contributed to institutionalizing the quality assurance strategies and processes?

IQAC feedbacks are discussed at various University level committees like Dean's Committee, HoDs etc.

1.5.5 How many decision of the IQAC have been placed before the statutory authorities of the Universtiy for Implementation?

Recommendations of IQAC are placed before the statutory authorities like AC and EC at time ti time.

1.5.6 Doe the IQAC have external members on its committees? If so, mention any significant contribution made by such members?

Yes

1.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged section of society?

Based on the recommendations of the academic audit, slow learners were identified and accordingly bridge course were designed to help such group of students. Remedial classes are also introduced by some of the departments as per requirements.

1.5.8 What policies are in place for periodic review of administrative and academic departments, subject area, research centres, etc.?

Perodic review of administrative and academic departments are done at department level and then at different levels like School Board, Academic Council, Executive Council etc.

CRITERION - 7 (INNOVATION & BEST PRACTICES)

CRITERION 7 (INNOVATIONS AND BEST PRACTICES)

7.1. Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

Not at present. Since the University is young and running in its seventh year, Green Audits will be done through the Forest and Environment department.

7.1.2. What are the initiatives taken by the University to make the campus eco-friendly?

- **Effort for carbon neutrality**

The University has solar based source of electricity for lightening. A major research project proposal on 'Low Carbon Policy and Economy' has been submitted to UGC by the Department of Public Policy, Law and Governance.

- **Plantation**

The University has planted approximately 62000 saplings in its campus and they are properly irrigated using the integrated waste water management system. Further, a proposal has been made for the establishment of medicinal plants garden.

- **Hazardous waste management**

Chemical waste reductions, conservation and waste disposal management is practiced in all the laboratories of various Schools of the University. Department of Biotechnology organized a training course on 'Biological Safety and Laboratory Waste Disposal'. A two-day national workshop on 'Climate Change: Adaptation and Mitigation for Sustainable Development' was organized by the Department of Environment Sciences on 10-11 October 2011. Department of CSE conducted workshop on 'Green House Building Awareness.

- **E-waste management**

The University was established six year before and the E-waste management system is yet to be established. At the moments all the computers and electronic gadgets are functional. The University has assigned a technical department to provide services for repairing computer and electronic gadgets. Students are encouraged to make the campus plastic free and programmes are regularly held for creating awareness against use of plastic materials in daily life. In the Central University of Rajasthan students are sensitized towards issues of environment and nature conservation.

- **Any other (Please specify)**

The University regularly celebrates World Forest Day, World Water Day, Science Day etc., to instill scientific temper among students and create awareness regarding conservation of natural resources. Visits to schools of nearby villages and conducting participatory activities with the school students on environment consciousness and field trips to nearby villages like

Mundoti are a constant feature of the Departments of Environment Sciences, Statistics, and Social Work.

7.2 Innovations

7.2.1 Give the details of innovations during the last four years which have created a positive impact on the functioning of the University

In all the departments of the University the use of ICT such as interactive boards, audio-visual aids, YouTube videos in the teaching-learning process is highly supported to generate interest among the students. Computer based simulations interacting individually with the students in the classroom is a part of teaching methodology in various departments of the School of Life Sciences. Visual models are used to explain 3D structures in pure sciences. AKASH tablets were provided to students and faculty members in the Department of CSE. Workshops on 'Ethical Hacking and Cyber Security' and 'Mobile Controlled Robotics' were conducted.

Bridge courses are designed by various departments to empower the students in terms of their language proficiency, computer literacy and in other subject specific knowledge. Every department identifies slow learners and provides remedial classes and coaching to ensure their greater participation in the regular classroom teaching. Guest lectures from the experts, seminars and tutorials are held on a regular basis as an integral part of the curriculum in all the departments.

Students are provided coaching and guidance by the faculties regarding UGC-CSIR-NET exam and DBT JRF exam apart from regular classroom teaching. Weekly seminars and presentations under the supervision of faculties are held for brainstorming and discussing research issues, education and extracurricular activities.

Formation of peer groups and interaction with senior researchers is a part of academic activities to promote research interest in various subjects. Experts from the academia and industry are called for talks and evaluation by giving their feedback on students' research, projects and the like.

Department of Public Policy, Law and Governance works towards providing internship of students in various policy Research Organizations and think-tanks. Department of Culture and Media Studies organize workshops and lectures of eminent persons on anchoring, jockeying, media writing, community media and photography. Department of Hindi arranges visits of the students to Doordarshan Kendra and Akashvani Kendra and organizes Chhatra Parishad for improving presentation skills of students.

7.3 Best practices

7.3.1 Give the details of any two best practices which have contributed to better academic and administrative functioning of the University

- 1. Title of the practice:** Best Practices Adopted for Development of Student Participation

2. **Objectives of the Practice:** The motto of the Central University of Rajasthan is “Education for Sustainable Development” and course of every department is designed to achieve this goal. To link education with sustainable development, it is imperative for institutions to inculcate humanitarian values such as social justice, peace, tolerance and ethical practices in everyday life. The School of Humanities offers courses on Culture and Society; Aesthetics of Appreciation of Drama and Films; Writers of Diaspora; Indian Literature; Modern Indian Classics in Translation; Literature of the Indian Subcontinent; Gender Studies, etc. These courses help students in appreciating life aesthetically and understand people through their languages, histories and cultures, foster social justice and equality by teaching empathy, thereby, contributing towards the development of informed and critical citizens. It endeavours towards the development of students as citizens who understand their responsibilities in society and believe in ethical practices in research as well as in everyday activities.

3. **The context:** At the University level regular open discussions are held to ensure student participation. Journal clubs and project seminar presentations in various departments promote greater understanding of the subject-specific issues and greater participation of students in such activities. Science exhibitions are organized by the students to showcase their awareness and technical know-how and create a scientific temper among the students in the University. Students are encouraged to participate in national and international seminars and software and programming competitions.

The courses offered by every department are interdisciplinary and incorporate emerging areas of research to generate interest among the students for their career development. Innovative ideas of the students in the form of scientific models and posters are encouraged. Various technical societies and clubs such as Mudra Manthan (Finance), Zephyr (Annual Literary Festival), Stat Act club, film club, theatre workshops, photography club, Ecomania club etc. help in the overall development of the students. Students are also motivated to participate in NSS, sports and other cultural activities.

4. **The Practice:** Every department has adopted a policy of encouraging students to take research project dissertations which align with the idea of sustainable development. Departments encourage innovative ideas that can be converted to products for sustainable development. Students’ research projects are interdisciplinary and focus on sustainable development such as bio diversity, air pollution monitoring, waste management, social work, public policy, green economics, eco-statistics, eco-criticism. Students are encouraged to pursue research projects in the area of sustainable, clean, alternative and renewable energies.

Faculties and students of Statistics and Social Work create awareness among villagers about government insurance, banking schemes and development issues. Department of Public Policy, Law and Governance has included ‘Climate Change and Sustainability’ and

'Sustainable Rural Livelihood' and Department of Statistics focus on dissertations and projects related to Environment Statistics and related areas as part of the curriculum. The flagship programme of the School of Architecture is M. Arch. (Sustainable Architecture), which is solely dedicated to sustainable development. Vermicomposting project has been taken up by the faculties of the microbiology department as a measure towards sustainable development. It has developed efficient technologies for cost effective biofuel (Ethanol and Butanol) production and for greener ways of oil production. To link education with sustainable development, Department of Chemistry has incorporated two papers for M.Sc. students on sustainable chemistry which trains them in sustainable processes in chemical industry. The Department prefers the students to submit their assignments online to minimize the use of paper. Department of CSE has established 'IIT Bombay Remote Center' and promotes 'Brahshpati Learning Management System' developed by IIT Kanpur and funded by MHRD.

5. **Evidence of Success:** Now into the fifth year of its inception, the University is ever abuzz with Seminars, Conferences, Workshops, and all other forms of idea-sharing and learning interaction. On such occasions, the students and our young faculty have much benefited from listening to scholars of global repute. And, to connect knowledge with application, the University took a unique step of holding "The Academia-Industry Meet" wherein industrialists and entrepreneurs shared views on how best knowledge can become gainful for both the students and the industry. Besides, the infrastructural and academic consolidation, the University is also keen to get embedded in the surrounding socio-cultural fabric by way of offering social facilities like Day Care Centre, Community College and Community Radio so that the people of neighboring areas may also benefit from the University.
6. **Problems encountered and resources required:** As the University is located in the remote area the accessibility is a big problem. Most of the faculty members they stay either in Jaipur or Ajmer which is 90 and 50 Km, respectively, away from the University. In house facility for the faculty and students are in the developing stage and it may require some more time. Faculty strengths is sub-optimal, same faculty engaged for teaching the Int. M.Sc., M.Sc. and Ph.D. courses
7. **Notes:** Formation of peer groups and interaction with senior researchers is a part of academic activities to promote research interest in various subjects. Experts from the academia and industry are called for talks and evaluation by giving their feedback on students' research, projects and the like. Journal clubs and project seminar presentations in various departments promote greater understanding of the subject-specific issues. Capacity building workshops apart from curriculum are held every semester for personal development of the students. Department of English works towards this objective by catering to the linguistic empowerment of the students at all levels- UG, PG and PhD scholars. Regular classes on English for Academic Writing for research scholars cater to their

growing need to express technical and subject knowledge in writing research reports and dissertations.

All departments practice Mentor system or 'Student Advisory system' in which teachers monitor the progress of a small group of students on a one-to-one basis and provide counselling and guidance. Continuous evaluation has been incorporated in the evaluation process for the assessment of students' performance. Training is also provided to students on various tools and instruments, e.g., GIS, remote sensing, air monitoring etc. School of Life Sciences use Moodle-based courses for better understanding of the subject. Summer training is provided to students for hands-on experience in several Departments.

Part – II

DEPARTMENTAL PROFILES

1. **Name of the Department** : Architecture
2. **Year of establishment** : 2011
3. **Is the Department part of a School/Faculty of the University?**
Yes, School of Architecture
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
 - a. M.Arch (Sustainable Architecture),
 - b. Ph.D. in Architecture,
 - c. Advance Diploma in Interior Design
5. **Interdisciplinary programmes and Departments involved**
None
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
B.voc course is proposed wherein collaboration of professional bodies and Industry is envisaged Ceiling installation training course with Armstrong India pvt ltd.
7. **Details of programmes/courses discontinued, if any, with reasons**
None
8. **Examination System:**
Annual/Semester/Trimester/Choice Based Credit System Semester System
9. **Participation of the Department in the courses offered by other Departments.**
Faculty from Architecture Department takes classes in Department of Management and Department of Environment Science. Also students take courses from Environment Science Department and Management Department.
10. **Number of teaching posts sanctioned, filled and actual (Professors / Associate Professors / Asst. Professors/others)**

Name of the Position	Sanctioned	Filled
Professor	01	01
Associate Professor	02	01
Assistant Professor	04	03
Assistant Professor (Temporary)		01
11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Prof. Neeraj Gupta	B.Arch	Dean School of Architecture & Head, Department of Architecture	Architecture, Town Planning, Interior Design, Capacity Building	32	Nil
Ar. Ritu B. Rai	B.Arch, M.A. (Urban Design)	Associate Professor	Architecture, Urban Design, Interior Design,	18	Nil
Ar. Vivekanand Tiwari	B.Arch, M.Planning (Env. Planning)	Assistant Professor	Architecture, M.Planning (Env. Planning)	05	Nil
Ar. Sunil Sharma	B.Arch, Masters in City Planning	Assistant Professor	Architecture, City Planning	04	Nil
Ar. Abhijit Rastogi	B.Arch, Master of Building Engineering and Management	Assistant Professor	Architecture, Building Engineering and Management	03 years and 06 Month	Nil
Ar. Karan Barpete	B.Arch, Masters in City Planning	Assistant Professor (Temporary)	Architecture, City Planning	08 Months	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

List enclosed as Annexure A

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution

13. Percentage of classes taken by temporary faculty – programme-wise information

Integrated M.Sc. / M. A.:

M.Arch (Sustainable Architecture) / Advance Diploma Interior Design

100% (For Allocated Subject)

Ph.D.: Nil

14. Programme-wise Student Teacher Ratio:

M.Arch (Sustainable Architecture):

Student: teacher 17:6

Advanced Diploma

Student: teacher 75:6

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff Positions	Sanctioned	Filled	Actual
			2 (89 days contractual basis)

16. Research thrust areas as recognized by major funding agencies

Sl. No.	Thrust Area	Recognizing Funding Agency/ ies

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise.

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved

18. Inter-institutional collaborative projects and associated grants received:

Associated Faculty	Collaboration	Collaborator Grants received

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

None

20. Research facility / centre with

Building material lab, building physics lab and climatology under process, etc.

21. Special research laboratories sponsored by / created by industry or corporate bodies

Ceiling Installation bays sponsored by Armstrong India Pvt Ltd.

22. Publications:

- Number of papers published in peer reviewed journals (national / international) 8 (*Enclosed Annexure- I).

Prof. Neeraj Gupta

- 1) Edited Three volumes of Journal of Development Management (2011-13)

Ar. Vivekanand Tiwari

- i.) Urban Sprawl in Hill Towns of Himachal Pradesh, Case Study: Hamirpur Town in the International Conference on Urbanism and Green Architecture held at National Institute of Technology, Hamirpur, (H.P.) (ISBN No.: 978-81-920315-0-7): 2010
- i.) Sustainable Development Thrust Area: Watershed and Landscape Design published in Description: An International Journal of Design: (ISSN No. 22494480): 2011
- ii.) Presented paper on Watershed Management and Urban Design: An approach to Water Urbanism in the International Conference of URBIO 2012 held at IIT Mumbai in 2012

Ar. Ritu B. Rai

- i.) Presented paper on Development of Green Infrastructure through Green Streets in the International Conference of URBIO 2012 held at IIT Mumbai in 2012.
- ii.) Ar. Ritu B. Rai and Ar. Vivekanand Tiwari have written a chapter for "Future Settlement Pattern, Urban Form and Urbanism (Horizon year 2030)" and presented it at State Commission on Urbanization (Constituted by Government of Rajasthan) in 2012.

Ar. Sunil Sharma

- i.) Paper titled "Sustainable Urbanism and Design Concepts for Cities in Arid Region" presented and published in proceedings of National Conference on Sustainable Cities in Arid Regions: Planning, Design and Management. This conference was organized by the Department of Architecture and Planning, M.N.I.T., Jaipur in association with State Commission on Urbanization and HCM RIPA.

ii.) Paper titled “Golden Proportions in Architecture” presented and published in proceeding, in International Conference on Emerging trends in Design at SDPS women University on 22-23, February 2013 Indore, M.P.

- Monographs
 - Chapters in Books Edited Books 2
 - Books with ISBN with details of publishers
 - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - Citation Index – range / average
 - SNIP
 - SJR
 - Impact Factor – range / average
 - H-index
- NIL

23. Details of patents and income generated

NIL

24. Areas of consultancy and income generated

Pro BoNo Consultancy worth Rs. 40 Lacks

- 2) Dept. faculty members are involved in following areas of consultancy
- 3) Master planning of Curaj campus
- 4) Building design at Curaj campus
- 5) Integrated Watershed management

Professional Advise Consultancy by Faculty:

1. Faculty Members of School of Architecture are the member of working group constituted by State Commission for Urbanization, on ‘Future Settlement Pattern, Urban Form and Urbanization’.
2. Following faculty members of Department has contributed in physical development (Master planning of the campus and Building design) of the University as an Architect and Physical Planner
 - i.) Prof. Neeraj Gupta: Member, Building and Works committee
 - ii.) Ar. Ritu B. Rai: Member, Building and Works committee & Member Technical Committee
 - iii.) Ar. Vivekanand Tiwari: Invited Member, Building and Works committee & Member Technical Committee
3. Projects undertaken by the Department of Architecture:

Faculty Involved: Ar. Ritu B. Rai & Ar. Vivekanand Tiwari

- i.) Integrated micro watershed management of CURaj campus including planning of four water harvesting structures.
 - ii.) Design consultancy of three semi-permanent academic buildings each measuring about 2100 sq m
 - iii.) Design of University Auditorium of 1500 capacity
 - iv.) Design of three permanent helipads at University Campus for landing of heavy helicopters of Indian Air Force.
4. Prof Neeraj Gupta has been invited as an expert special invitee for meets of the campus development committees, building works committee and Board of Governors meeting of various premier educational institutions of the country like IITs, IISERs, IIMs, MDI etc.

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Prof. Neeraj Gupta was invited by School of Engineering Boras University to visit their Campus as part of the Indian delegation of academicians and industry expert.

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Prof. Neeraj Gupta is in Building Works Committee of IISER Kolkata, CURaj and Member of Project Management Group of IIT Rajasthan.

Prof. Neeraj Gupta is in Editorial Board of Journal of Development Management.

Ar.Ritu B.Rai and Ar.Vivekanand Tiwari are Committee member of State Commission of Urbanisation.

S. No.	Concern Faculty	Committee/ Journal	Membership Status
1.	Prof. Neeraj Gupta	Editor board of Journal of development Management, Building works committee of IISER Kolkatta,CURaj,and project management group of IIT Rajasthan	Member
2.	Ar.Ritu .B.Rai	State Commission of Urbanisation. Building works committee of CURaJ	Member
3.	Ar.Vivekanand Tiwari	State Commission of Urbanisation. Building works committee of CURaJ	Member

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Three Faculty members successfully completed Four Week **Faculty Orientation Programme** (OP-86) conducted by Jai Narayan Vyas University, Jodhpur between 16th Dec. 2013 to 11th Jan. 2014.

S. No.	Faculty Name	Grade
1.	Ar. Vivekanand Tiwari	A
2.	Ar. Sunil Sharma	A
3.	Ar. Abhijit Rastogi	A

28. Student projects

- Percentage of students who have done in-house projects including inter Departmental projects
- Percentage of students doing projects in collaboration with other universities / industry / institute.

Institute 100% students were involved with industry as an internal part of the summer project at the end of the second semester

29. Awards / recognitions received at the National and International level by

• **Faculty**

Ar. Ritu B Rai and Ar. Vivekanand Tiwari attends annual GRIHA summit 2013 organized by ADaRSH in association with TERI and MNRE, Govt. of India to receive an award for exemplary demonstration of water management at Curaj. Campus (Central University of Rajasthan Campus) on behalf of the University

• **Doctoral / post doctoral fellows**

• **Students**

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- Full day Workshop by Ar. Sanjay Prakash
- Seminar presented on Waste Resource Recovery by Prof Mohammad Taherzadeh from University of Boras
- Workshop on Building Simulation by Ar Anup Rathi (Kalpakrit Sustainable Environments Pvt. Ltd.)
- Workshop on Day lighting by Ar Abhisek Jain (Environmental Design Solutions)

31. Code of ethics for research followed by the Departments

N/A

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M ARCH in Sustainable Architecture 2011-13	12	5	7	5	6
M ARCH in Sustainable Architecture 2012-14	8	2	3	2	4
M ARCH in Sustainable Architecture 2013-15	5	5		5	
M ARCH in Sustainable Architecture 2014-16	13	6	5	Running	

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.Arch (Sustainable Architecture) (2011- 2013 batch)	0	33%	66%	0
M.Arch(sustainable architecture) (2012- 2014) batch	0	60%	40%	0
M.Arch(sustainable architecture) (2013- 2015) batch	0	20%	80%	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

1 student cleared GATE

1 student cleared Defence services

Integrated M.Sc./M. A.:

Batch 2013- 2018

M.Sc. / M. A.:

Batch 2011-2013 CSIR- NET Exam:

UPSC- IAS Exam:

Batch 2012- 2014 CSIR – NET Exam:

Batch 2013- 2014 None

Name of the student	Gender Male Female	Category				Competitive Exam Qualified
		General	SC	ST	OBC	
Lalit Sisodia	male	general				GATE
Lokakshi Gandotra	female	general				BSF

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil	100%
PG to Ph.D	
Ph.D to Post-Doctoral	
Employed	100%
<ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	Other than campus recruitment
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	Nil
From other universities within the state	20%
From universities from other states	60%
From universities outside the country	20%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

NIL

38. Present details of Departmental infrastructural facilities with regard to

a) Library

Departmental library other than central library with more than hundred books available for reference.

b) Internet facilities for staff and students

The faculty members, Non-teaching staff and students of Department have access to wireless as well as wire (LAN based) internet connectivity.

c) Total number of class rooms 4

d) Class rooms with ICT facility all

e) Students' laboratories

Material Lab, Building Physics Lab, 2 computer labs with Autocad, Revit, Photoshop software's

f) Research laboratories In process

- 39. List of doctoral, postdoctoral students and Research Associates**
None
- a) **From the host institution/University:**
- b) **From other institutions/universities:**
- 40. Number of post graduate students getting financial assistance from the University.**
3 students in each Batch
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** No
- 42. Does the Department obtain feedback from?**
- a. **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?**
Yes, Department obtains feedback from faculty members as well as visiting guest faculty and various practising architects, Institutional members, NGO's, Industry experts and cooperate experts on various occasions using multiple platforms e.g. Departmental faculty meetings etc. The feedback used to improve upon the syllabi/ curriculum of different programs.
- b. **Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?**
Yes, semester wise course feedback, Feedback mechanism of the University is in place. and the Department obtains feedback from students about teaching methodologies, skills and pedagogy related skills of teaching faculty as well as the curriculum of the program at end of every semester and uses the same for the progressive improvement of teaching, calling experts from different parts of the country, sending and Dissertation reports to the experts of the region and field for guidance.
- c. **Alumni and employers on the programmes offered and how does the Department utilize the feedback?**
Yes, feedback is taken in alumni meet.it is incorporated in content of course.
- 43. List the distinguished alumni of the Department (maximum 10)**
1. Ar. Kumud Mukherjee (senior consultant in Ahmedabad)
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**
Annexure A attached
- 45. List the teaching methods adopted by the faculty for different programmes.**
Regular Teaching, workshops, group discussions, Expert Lecture, Quiz, Academic Tours, Field Visits , Management Games ,Group

Discussions, Interactive lectures, students presentation with feedback. Faculty occasionally use open source video films and webinars to support the courses. A list is enclosed as Annexure 2.3.7. External Reviews for design studio exercise on regular basis.

Other teaching methods

1. Multidisciplinary subject teaching: Very useful technique which inspire student for system thinking.
2. Use of Management Games: Useful to inculcate the habit of time management and team work among the students.
3. Campus as a 'Living Laboratory' The developmental works of the campus and other site visits are integral part of teaching and learning process;
4. Case Studies: Very essential and useful for practical understanding of the concepts and theories learned in classroom.
5. Time exercises in studio: Time bound exercises enables student to perform under pressure and various constraints which is required skill in the profession.
6. Teaching through research papers available on online journal EBSCO host and all other relevant articles etc.
7. Practice of conveying substantial information regarding various National Portals to access the relevant information for particular topic.
8. Organising Study tours such as Ongoing hotel site , Infosys campus , Udaipur City, IIT Kanpur, Hathi Gaon Jaipur
9. Proper training by qualified faculties to use many software tools like MS Office, Auto CAD, Photoshop, Google Sketch UP, ECO Tect, MSP
10. Uses of Multimedia tools for better understanding of various concepts and complex theories.
11. Group discussions, peer to peer teaching method for fast learning.
Use of study models to explain various concepts and theories related building elements, building design, site planning and to enhance the visualization skills of the
- 46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?**
Monthly Review of Curriculum Progress is taken.
- 47. Highlight the participation of students and faculty in extension activities.**
Plantation Drive: Students were mobilized by the Ar.Vivekanada Tiwari for plantation drive in the University Campus and its periphery and more than 500 saplings were planted.
NSS: Ar. AbhijitRastogi, Assistant Professor of the Department is the faculty coordinator actively participating in various NSS activities of the University.

Blood Donation: Faculty and students of the Department have donated blood as part of the drive organized by the University

48. Give details of “beyond syllabus scholarly activities” of the Department.

Architecture is a subject where practical learning is the most important aspect of learning. Since the Campus was under planning and construction stage, Department requested the then Vice Chancellor Prof. M M Salunke to allow students to attend Building Works committee meeting, as silent members. Also encouraged students to talk to different Departments for their requirements and understanding it and conveying it to the consultant. This made students understand the pre building or planning stage of the large campus development.

Students were regularly taken to site on campus; they were given exposure to the new materials and Technology adopted to make CURaj campus a sustainable campus. Since an area of 10,000 sq m in Pre-fab structures and Portal frame structure was designed in house and execution was done under the supervision of faculty, a direct exposure to drawings, new Technology and industry vendor is given to students.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

AICTE, COA

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.

Planning and developing Guidelines for Integrated Watershed management in Educational Campuses.

Importance of the Prefab structures and different insulation materials for thermal comfort in an educational Campus through practical application in the Campus and continuously monitoring its performance.

51. Future plans of the Department.

The School of Architecture envisions becoming a Centre of excellence and an important hub of kNowledge exchange on all matters related to sustainable development. The School is committed to regenerative architecture and aims to develop a repository of kNowledge documenting historical and traditional wisdom of the community in hot arid desert region. At the same time all the contemporary technologies that can lead to development of net triple zero development shall be explored, studied, researched and applied. The focus area for the school is Waste, Water, Energy, and Human Productivity through sustainable architecture. The School envisions developing unique capacity building programmes for continued education of teachers and professionals. Job oriented vocational education and skill development courses are initiated is specialized field like renewable energy technologies, building construction etc.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.**• Strengths:**

All the Faculty members are from diverse background strengthening the academics.

Development of University Campus and faculty involvement in this is advantageous for University and Students.

• Weaknesses:

1. Lack of supporting staff to maintain the Departmental administrative works.
2. Campus being away from city, it is difficult to call Guest faculty and take students on site visits.

• Opportunities

Sustainability as a Global Movement has opened different employability opportunities for the students. Different policy decisions by Government for Green Rating in public building also becomes an opportunity for the students of this Masters Course

• Challenges**53. Activities reflecting the goals and objectives of the institution:**

Education and Awareness Programmes: Prof. Neeraj Gupta and other faculty members of the Department have helped in spreading awareness about sustainable development amongst students and professionals. This includes facilitating visits to University's water and waste management systems, presenting seminars and conducting workshops for students of architecture and engineering at their respective campuses.

54. Examination reforms implemented:

Yes, Timely conduct of all examination work

55. Community services

School of Architecture is running Advance diploma course in Interior Design under community college scheme of UGC.

Development Proposals for Pushkar City: Planning and sustainable developments inputs being given as part of community service by the Department to support local municipal body.

(Ar. Vivekananda Tiwari and Ar. Karan Barpete)

56. Unit cost of education

Information Not available in Department

57. Computerization of administration and the process of admissions and examination results, issue of certificates.

Fully computerized.

58. Activities and support from the Alumni Association

All ex-students of the Department are part of the University Alumni Association and activities are organized at University level.

First formal alumni's gathering was organized by the Department at Jaipur in 2014 at Jaipur. Ar. Ajay Sharma Gold Medalist student of the first batch, passed out in 2012 was unanimously selected as the convener of the School Alumni.

59. Activities and support from the Parent-Teacher Association

Regular interaction with parents is done regarding personal and academic issues of the students and a feedback register is maintained.

60. Health services

Health Facilities: University dispensary with P.G. doctor and other support staff.

61. Performance in sports activities

Good

62. Incentives to outstanding sportspersons:

Full support to outstanding sportsperson, full support to participate in National events

The provision of necessary sports item free of cost

63. Activities of the Guidance and Counselling unit:

One faculty member Ms Ritu B Rai is designated as the student counsellor. Constant personal attention is paid to the students during the class and as and when a student is found to be lacking in studies he/she is counselled. A confidential record in the form of personal Notes is maintained by the counsellor.

The Department follows an open door policy and the students are free to walk in at any time and seek advice from faculty members including the Dean and HoD.

In order to enhance peer group learning, a system of 'student mentoring' is adopted. Select students of each batch are identified to provide mentoring support to their class mates and juniors for language, mathematical and computer skills. For the B.Voc. programme, student mentors are drawn from the M.Arch. programme.

64. Placement services provided to students Yes**65. Development programmes for Non-teaching staff** NA**66. Good practices of the institution**

Choice based Credit system

Entrance only through All India Entrance test

Three rounds of short-listing for PhD

- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year** NA
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)**
 Orientation program for Faculty counselling and mentoring skill on regular interval
 Regular Departmental meetings for review and moderation of course
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required)**
- 70. Plan of action for the next year (attach separate sheet, if required)**
 The School of Architecture envisions becoming a Centre of excellence and an important hub of kNowledge exchange on all matters related to sustainable development.
 The School is committed to regenerative architecture and aims to develop a repository of kNowledge documenting historical and traditional wisdom of the community in hot arid desert region.
 At the same time all the contemporary technologies that can lead to development of net triple zero development shall be explored, studied, researched and applied. The focus area for the school is Waste, Water, Energy, and Human Productivity through sustainable architecture.
 The School envisions developing unique capacity building programmes for continued Education of teachers and professionals. Job oriented vocational education and skill development courses are initiated in specialized field like renewable energy technologies, building construction etc.
- 71. Any other relevant information the institution / University / Department wishes to add.**

Annexure A

Annexure: 2.2.5

Sl. No.	Name of the Expert	Topic Covered
1	Prof. Herman Kohler, Secretary ISWA, Viena, Austria	Municipal Solid Waste Management and Energy from Waste
2	Prof. Manoj Mathur, School of Planning and Architecture, New Delhi	Sustainable Architecture and Building Design
3	Ar. Sanjay Prakash, Founder - SHIFT, New Delhi	Building Physics, Climatology and Sustainable Architecture
4	Ar. Mohan S. Rao, Landscape Consultant, INDE, Bangalore	Landscape design and water management plan of Hathi gaon project at jaipur

Sl. No.	Name of the Expert	Topic Covered
5	Ar. Rahul Mehrotra, Professor of Urban Design and Planning, Harvard Graduate School of Design (GSD), Cambridge, Mass., USA.	Architectural Design of of Hathi gaon project at Jaipur
6	Prof. Mohammad Taherzadeh, Director of Resource Recovery, University of Boras, Sweden	Sustainable Solid Waste Management
7	Prof. Anurag Roy, Practicing Architect and Interior Designer, New Delhi	Sustainable Architecture and Building Design
8	Prof. Nilkanth Shinde, Expert - Renewable Energy, Shivaji University, Kolhapur	Technologies for Renewable Energy
9	Er. Sudheer Mathur , Shreshtha Consultant, Jaipur (MEP Services)	HVAC Services, Electrical Services
10	Ar. Usha Kasana, Chief Architect, PWD, Government of Rajasthan	Architectural Design and Sustainable architecture
11	Ar. N K Khare, Head - Heritage and Conservation Cell and Technical Advisor, Government of Rajasthan	Architectural Design and Project Planning for Sustainable architecture
12	Ar. U K Srivastava, Retd. Chief Town Planner, Government of Rajasthan	Architectural Design and Project Planning for Sustainable architecture
13	Ar. Pushpak Pandit , Urban Designer, Akalpan, Jaipur	Urban Design and Sustainable architecture
14	Ar. A.K Gupta, Chief Town Planner (Retd), Government of Rajasthan	Neighbourhood planning, project planning for sustainable Design
15	Er. D K. Sharma, Vice President - Project Manager, Sycone Bangalore)	Project Planning for Sustainable architecture
16	Mr.Y.C. Sharma, IFS (Retd) Biodiversity Expert	Planning of Smriti Van, Jaipur and Urban Forestry and Landscape Strategy
17	Mr. Vishesh Swamiwal, Executive Engineer, Electrical CPWD	Electrical services, HVAC system installed in various building of CURaj
18	Mr. G C Modgil, Founder – Sterling India Consulting Engineers	Thermal performance of Agilent Technologies, Manesa, Corporate office

Sl. No.	Name of the Expert	Topic Covered
19	Mr. K K Bhatnagar (IAS, Retd.) Chairperson, Rajasthan Urbanisation commission	“Future Settlement Pattern, Urban Form and Urbanism”
20	Ar. Anup Rathi, LEED AP, Energy Simulation Expert	Daylight Simulation, Wind analysis, building Energy simulation for sustainable design
21	Mr. Naresh Duple, Acoustic Expert, Armstrong	Building Design and Acoustical treatment
22	Ar. Akshya Singhvi, Project Manager, IIM Udaipur	a) Vernacular Architecture and Rammed Earth Construction Technique b) Case study presentation on “Aftermath of Union Carbide Accident in Bhopal”

1. **Name of the Department** : Biochemistry
2. **Year of establishment** : 2012
3. **Is the Department part of a School/Faculty of the University?**
Yes, School of Life Sciences.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
Integrated M.Sc. (Biochemistry), M.Sc Biochemistry, Ph.D (Biochemistry)
5. **Interdisciplinary programmes and Departments involved**
Yes, BioTechnology & Microbiology in PG & Ph.D level while Environmental sciences in Int. M.Sc and Chemistry in PG & Int. M.Sc)
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
AIIMS, New Delhi, JNU, New Delhi, Allahabad University, UP, Lucknow University, UP
7. **Details of programmes/courses discontinued, if any, with reasons**
Nil
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Choice Based Credit System & Semester System
9. **Participation of the Department in the courses offered by other Departments.**
Mr Manoj Khokhar of 2012-14 Batch has taken a course offered by PPLG.
Option of elective paper will be given to students of M.Sc of IV Semester like Marketing Management.
At UG level all the Departments will participate in I, II, III & IV semesters, V, VI, VII, VIII, IX and X semesters will be shared by the Biochemistry, BioTechnology & Microbiology.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Name of the Position	Sanctioned	Filled
Professor	01	Not filled
Associate Professor	02	Not filled
Assistant Professor	04	Filled
Others		--
11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Chandi C. Mandal	PhD	Assistant Professor	Cancer and bone biology	10-years	03 (Ongoing)
Dr. Kiran Kumar Tejavath	PhD	Assistant Professor	Protein Biochemistry (Glycobiology & Lectinology)	03-Years	-
Dr Vijay Kumar Prajapati	PhD	Assistant Professor	Visceral Leishmaniasis	04-Years	-
Dr. Vishvanath Tiwari	PhD	Assistant Professor	Proteomics, Biomolecular structure and Dynamics, Bacterial Resistance Mechanism and Bioinformatics	04-Years	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: Nil

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution

13. Percentage of classes taken by temporary faculty – programme-wise information

Integrated M.Sc. / M. A.	:	Nil
M.Sc. / M. A.	:	22.5%
Ph.D.	:	Nil

14. Programme-wise Student Teacher Ratio:

Integrated M.Sc. / M. A.	:	48:02 Faculty
M.Sc. /M. A.	:	48:02 Faculty
Ph.D.	:	08:04 Faculty

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff Positions	Sanctioned	Filled	Actual
Lab Assistant	01	01	01

16. Research thrust areas as recognized by major funding agencies

Sl. No.	Thrust Area	Recognizing Funding Agency/ ies
1	Cancer Biology & Bone Biology	UGC, DBT
2	Glycobiology	UGC
3	Proteomics, Bacterial Resistance	DST
4	Neglected Tropical Diseases (Leishmaniasis)	UGC

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise.

S.N.	Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
1.	Dr. Vishvanath Tiwari, Interaction studies of the <i>A. baumannii</i> with the pulmonary cell model	DST(National)	25 Lakhs (Ongoing)
2.	Dr. Vishvanath Tiwari, Differential expression of the IRMPs in sensitive and resistant strain of <i>A baumannii</i> .	UGC (National)	06Lakhs (Ongoing)
3.	Dr. Chandi C Mandal, Influence of Diabetes on Bone Metastasis of Breast Cancers	UGC (National)	06 Lakh (ongoing)
4.	Dr. Chandi C Mandal, Cholesterol-lowering Drug Targets Osteoclastogenic Factors to Prevent Osteolytic Bone Metastasis of Breast Cancer	DBT (National)	25 Lakh (approved)
5.	Dr. Kiran Kumar Tejavath, Heavy metal removal and conformational stability of the <i>Moringa oleifera</i> coagulant protein (MOCP) a homodimeric protein from <i>Moringa oleifera</i>	UGC (National)	06 Lakh (ongoing)

S.N.	Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
6.	Dr. Vijay Kumar Prajapati, Antileishmanial activity of silver Nanoparticle with amphotericin B	UGC (National)	06 Lakh (ongoing)

18. Inter-institutional collaborative projects and associated grants received:

Associated Faculty	Collaboration	Collaborator Grants received
Dr. Chandi C Mandal collaborated with Dr. Mohammad Hassan, University of Alabama, Birmingham, USA	Collaboration to study the pathology of osteoarthritis in India	—

19. Departmental projects funded by DST/FIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

DBT (25 Lakh)

20. Research facility / centre with

- State recognition: NA
- National recognition : NA
- International recognition : NA

21. Special research laboratories sponsored by / created by industry or corporate bodies NA

22. Publications:

- Number of papers published in peer reviewed journals (National / International)
- List of publications of faculties (last 5 years) :
 1. Gayen S, Samanta MK, Hossain MA, Mandal CC and Sen SK. A deletion mutant ndv200 of the *Bacillus turingiensis* vip3BR insectidal toxin gene is a prospective candidate for the next generation of genetically modified crop plants resistant to lepidopteran insect damage (2015), Planta. 2015 Jul;242(1):269-81. Impact factor- 3.38
 2. Kuma S, Nag A and Mandal CC, A Comprehensive Review on miR-200c, a Promising Cancer Biomarker with Therapeutic Potential (2015).Current Drug Targets. PMID: 25808651. Impact factor- 3.60
 3. Mehta J, Asthana S, Mandal CC and Saxena S, A molecular analysis provides Novel insights into androgen receptor signalling in breast cancer (2015), PLoS ONE. Mar 17;10(3):e0120622. Impact factor- 3.53

4. Sharma A, Verma HK, Joshi S, Panwar MS and Mandal CC, A link between cold environment and cancer (2015), Tumor Biology. PMID:25736923 , Impact factor- 2.84
5. Mandal CC, Rahman MM, and Nag A, An Update of Bone Morphogenetic Proteins as Biomarker and Therapy for Cancer (2015), Journal of Carcinogenesis and Mutagenesis. 6:e114. doi: 10.4172/2157-2518.1000e114. Impact factor- 1.90
6. Sharma T, Hamilton R and Mandal CC, miR-214: a potential biomarker and therapeutic for different cancers (2015), Future Oncology. 2015 Jan;11(2):349-63. Impact factor- 2.61
7. Perry MR, Prajapati VK, Menten J, Raab A, Feldmann J, Chakraborti D, Sundar S, Fairlamb AH, Boelaert M, Picado A. Arsenic exposure and outcomes of antimonial treatment in visceral leishmaniasis patients in Bihar, India: a retrospective cohort study. PLoS Negl Trop Dis. 2015 Mar 2;9(3):e0003518. Impact factor- 4.72
8. Tiwari V and Tiwari M. Phosphoproteomics as an emerging weapon to develop new antibiotics against carbapenem resistant strain of *Acinetobacter baumannii* Journal of Proteomics 112(1), 336-338 (2015) Impact factor- 3.93
9. Tiwari V, Roy R and Tiwari M. Antimicrobial active herbal compound against *Acinetobacter baumannii* and other pathogens. Frontiers in Microbiology (2015) Accepted. Impact factor 4.0
10. Mandal CC and Rahman MM, Targeting Intracellular Cholesterol is a Novel Therapeutic Strategy for Cancer Treatment (2014) Journal of Cancer Science and Therapy. 2014 Dec 20;6(12):510-513. Impact factor- 4.203
11. Urbańska K and Mandal CC, Advanced Views of Glioblastoma Multiforme U-87 Cells for Therapy of Brain Tumor (2014), International Journal of Clinical Biochemistry and Research. 2014; 1(1): 59-66. Impact factor Not assigned yet
12. Dandapat A, Bhattacharyya J, Gayen S, Chakraborty A, Banga A, Mukherjee R, Mandal CC, Hossain MA, Roy S Basu A and Sen SK, Variant *cry1* Abentomocidal *Bacillus thuringiensis* toxin gene facilitates the recovery of an increased number of lepidopteran insect resistant independent rice transformants against yellow stem borer (*Scirpophagaincertulus*) inflicted damage (2014), Journal of Plant Biochemistry and BioTechnology, (23(1):81-92. Impact factor- 0.81
13. Tejavath KK and Siva Kumar Nadimpalli, Purification and characterization of a class II α -ManNosidase from *Moringaoleifera* seed kernels. Glycoconj. J. 31 (2014) 485-496. Impact factor- 2.52
14. Manandhar KD, Yadav TP, Prajapati VK, Basukala O, Aganja RP, Dude A, Shrivastav ON, Sundar S, NaNonization ,increases the antileishmanial efficacy of amphotericin B: an ex vivo approach, AdvExp Med Biol. 2014;808:77-91. Impact factor- 2.01
15. Tiwari V and Tiwari M. Quantitative Proteomics to study Carbapenem

- Resistance in *Acinetobacterbaumannii*. *Frontiers in Microbiology* 5:512 (2014). Impact factor- 3.94
16. Tiwari V, Manoj Kumar Khokar, Monalisa Tiwari, Swati Barala and Manish Kumar. Anti-bacterial activity of polyvinyl pyrrolidone capped silver Nanoparticles on the carbapenem resistant strain of *Acinetobacterbaumannii*. *Journal of NaNomedicine& NaNoTechnology* 5(6):1000246, (2014) Impact factor- 5.72
 17. Tiwari Vand Manoj Khokar. Mechanism of action of anti-hypercholesterolemia drugs and their resistance. *European Journal of Pharmacology*. 741, 156-170 (2014). Impact factor- 2.68
 18. Tiwari Vand Rajeswari R. Moganty. Conformational Stability of OXA-51 β -lactamase from carbapenem-resistant *Acinetobacterbaumannii*. *Journal of Biomolecular Structure & Dynamics*, 32 (09), 1406-1420 (2014). Impact factor- 2.98.
 19. Tiwari V, Differential proteomics has emerged as a tool to understand carbapenem resistance in *Acinetobacterbaumannii*. *Journal of Integrated Omics*, 4(1),1-2 (2014). Impact factor 2.0
 20. Tiwari V. Outer Membrane Vesicle Proteomics to Discover the Pathogenicity of *Acinetobacter baumannii*. *Journal of Data Mining in GeNomics & Proteomics* 5 (2), e126 (2014). Impact factor 2.9
 21. Tiwari V. Membrane proteomics has emerged as a tool to study carbapenem resistance in *Acinetobacterbaumannii*. *Journal of Proteomics and Bioinformatics*, 7 (3), e26 (2014). Impact factor 2.6
 22. Ghosh-Choudhury N, Mandal CC, Das F, Ahuja S, Ghosh-Choudhury G, c-Abl-dependent molecular circuitry involving smad 5 and phosphatidylinositol 3 kinase regulates bone morphogenetic protein-2-induced osteogenesis (2013), *Journal of Biological Chemistry*, Aug 23;288(34):24503-17. Impact factor- 4.60.
 23. Prajapati VK, Sharma S, Rai M, Ostyn B, Salotra P, Vanaerschot M, Dujardin JC, Sundar S. In vitro susceptibility of *LeishmaniadoNovani* to miltefosine in Indian visceral leishmaniasis. *Am J Trop Med Hyg*. 2013 Oct;89(4):750-4. Impact factor- 2.74
 24. Hazra S, Ghosh S, Das Sarma M, Sharma S, Das M, Saudagar P, Prajapati VK, Dubey VK, Sundar S, Hazra B. Evaluation of a diospyrin derivative as antileishmanial agent and potential modulator of ornithine decarboxylase of *LeishmaniadoNovani*. *ExpParasitol*. 2013 Oct;135(2):407-13. Impact factor- 1.86
 25. Prajapati VK, S Mehrotra, Advances in the DiagNosis of Visceral Leishmaniasis, *Journal of Molecular Biomarkers & DiagNosis*, 2013; 4 (2), 1000e118. Impact factor- 2.1
 26. A Bhardwaj, S Arora, Prajapati VK, S Singh, A P Singh, Cancer "stemness"-regulating microRNAs: role, mechanisms and therapeutic potential, *Current drug targets*, 2013; 14 (10), 1175-1184. Impact factor- 3.6
 27. Tiwari V and Rajeswari R Moganty Structural studies on New Delhi

- Metallo- β -Lactamase (NDM-2) suggest Old β -Lactam, Penicillin to be better antibiotic for NDM-2-harboring *Acinetobacterbaumannii*. *Journal of Biomolecular Structure & Dynamics* 31, 6, 591-601, (2013) Impact factor- 2.98
28. Tiwari V and Rajeswari R. Moganty. Effect of iron availability on the survival of carbapenem-resistant *Acinetobacter baumannii*: A proteomic approach. *Journal of Proteomics and Bioinformatics*, 6 (6), 125-131(2013).
 29. Tejavath KK, Nadimpalli SK, Purification and biochemical Characterization of an acidic α -galactosidase from the *Moringa oleifera* seeds. *Trends In Carbohydrate Research*, Vol.5, No.2 (2013) 27-34. Impact factor Not assigned yet.
 30. Dey N, Das F, Ghosh-Choudhury N, Mandal CC, Parekh DJ, Block K, Kasinath BS, Abboud HE, Choudhury GG. microRNA-21 governs TORC1 activation in renal cancer cell proliferation and invasion. *PLoS One*. 2012;7(6):e37366. Impact factor- 3.53
 31. Mandal CC, Ghosh-Choudhury T, Dey N, Choudhury GG, Ghosh-Choudhury N. miR-21 is targeted by omega-3 polyunsaturated fatty acid to regulate breast tumor CSF-1 expression. *Carcinogenesis*. 2012 Oct;33(10):1897-908. Impact factor- 5.27
 32. Das F, Ghosh-Choudhury N, Dey N, Mandal CC, Mahimainathan L, Kasinath BS, Abboud HE, Choudhury GG. Unrestrained mammalian target of rapamycin complexes 1 and 2 increase expression of phosphatase and tensin homolog deleted on chromosome 10 to regulate phosphorylation of Akt kinase. *J Biol Chem*. 2012 Feb 3;287(6):3808-22. Impact factor- 4.60.
 33. Dayakar A, Chandrasekaran S, Prajapati VK, Veronica J, Sundar S, Maurya R. A rapid method to assess the stage differentiation in *LeishmaniadoNovani* by flow cytometry. *ExpParasitol*. 2012 Dec;132(4):495-500. Impact factor- 1.86
 34. Prajapati VK, Mehrotra S, Gautam S, Rai M, Sundar S. In vitro antileishmanial drug susceptibility of clinical isolates from patients with Indian visceral leishmaniasis--status of newly introduced drugs. *Am J Trop Med Hyg*. 2012 Oct;87(4):655-7. Impact factor- 2.74
 35. Bhandari V, Kulshrestha A, Deep DK, Stark O, Prajapati VK, Ramesh V, Sundar S, Schonian G, Dujardin JC, Salotra P. Drug susceptibility in *Leishmania* isolates following miltefosine treatment in cases of visceral leishmaniasis and post kala-azar dermal leishmaniasis. *PLoS Negl Trop Dis*. 2012;6(5):e1657. Impact factor- 4.72
 36. Sundar S, Prajapati VK. Drug targeting to infectious diseases by Nanoparticles surface functionalized with special biomolecules. *Curr Med Chem*. 2012;19(19):3196-202. Impact factor- 3.72.
 37. Sundar S, Singh A, Rai M, Prajapati VK, Singh AK, Ostyn B, Boelaert M, Dujardin JC, Chakravarty J. Efficacy of miltefosine in the treatment

- of visceral leishmaniasis in India after a decade of use. *Clin Infect Dis*. 2012 Aug;55(4):543-50. Impact factor- 9.42.
38. Verma RK, Prajapati VK, Verma GK, Chakraborty D, Sundar S, Rai M, Dubey VK, Singh MS. Molecular Docking and in Vitro Antileishmanial Evaluation of Chromene-2-thione Analogues. *ACS Med Chem Lett*. 2012 Jan 18;3(3):243-7. Impact factor- 3.07.
39. Hazra S, Ghosh S, Debnath S, Seville S, Prajapati VK, Wright CW, Sundar S, Hazra B. Antileishmanial activity of cryptolepine analogues and apoptotic effects of 2,7-dibromocryptolepine against *LeishmaniadoNovanipromastigotes*. *Parasitol Res*. 2012 Jul;111(1):195-203. Impact factor- 2.33.
40. Prajapati VK, Awasthi K, Yadav TP, Rai M, Srivastava ON, Sundar S. An oral formulation of amphotericin B attached to functionalized carbon nanotubes is an effective treatment for experimental visceral leishmaniasis. *J Infect Dis*. 2012 Jan 15;205(2):333-6. Impact factor- 5.78.
41. Tiwari V, Jitendra Vashist, Arti Kapil and Rajeswari R. Moganty. Comparative Proteomics of Inner Membrane Fraction from Carbapenem-resistant *Acinetobacterbaumannii* with a Reference Strain. *PLoS ONE*, 7(6): e39451. (2012) Impact factor- 3.53
42. Tiwari V, Arti Kapil and Rajeswari R. Moganty. Carbapenem-hydrolyzing Oxacillinase in high resistant strains of *Acinetobacterbaumannii* isolated from India. *Microbial Pathogenesis* 53, 2, 81-86 (2012). Impact factor- 2.00
43. Tiwari V, Isha Nagpal, Naidu Subbarao, Rajeswari R. Moganty. In-silicomodeling of a Novel OXA-51 from β -lactam-resistant *Acinetobacterbaumannii* and its interaction with various antibiotics. *Journal of Molecular Modeling*,18,7, 3351-3361(2012). Impact factor- 1.87.
44. Dey N, Das F, Mariappan MM, Mandal CC, Ghosh-Choudhury N, Kasinath BS, Choudhury GG. MicroRNA-21 orchestrates high glucose-induced signals to TOR complex 1, resulting in renal cell pathology in diabetes. *J Biol Chem*. 2011 Jul 22;286(29):25586-603. Impact factor- 4.60.
45. Mandal CC, Ghosh-Choudhury N, Yoneda T, Choudhury GG, Ghosh-Choudhury N. Simvastatin prevents skeletal metastasis of breast cancer by an antagonistic interplay between p53 and CD44. *J Biol Chem*. 2011 Apr 1;286(13):11314-27. Impact factor- 4.60.
46. Mandal CC, Ganapathy S, Gorin Y, Mahadev K, Block K, Abboud HE, Harris SE, Ghosh-Choudhury G, Ghosh-Choudhury N. Reactive oxygen species derived from Nox4 mediate BMP2 gene transcription and osteoblast differentiation. *Biochem J*. 2011 Jan 15;433(2):393-402. Impact factor- 4.78.
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48. Mukhopadhyay R, Mukherjee S, Mukherjee B, Naskar K, Mondal D, Decuypere S, Ostyn B, Prajapati VK, Sundar S, Dujardin JC, Roy S. Characterisation of antimony-resistant LeishmaniadoNovani isolates: biochemical and biophysical studies and interaction with host cells. Int J Parasitol. 2011 Nov;41(13-14):1311-21. Impact factor- 3.40.
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- Books with ISBN with details of publishers:
Vishvanath Tiwari* and Rajeswari R Moganty. Title: Studies on Carbapenemase & Membrane Proteome of *Acinetobacter* (2014). LAP LAMBERT Academic Publishing, Germany (ISBN-978-3-659-12709-0).
 - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
None
 - Citation Index – range / average: 20-640/ 300
Impact Factor – range / average: 0.81-9.4/ 3.3
 - H-index- 2.0-14

23. Details of patents and income generated: Nil

Sl. No.	Concerned Faculty	Patent Status	Income Generated

24. Areas of consultancy and income generated N.A.**25. Faculty selected Nationally / Internationally to visit other Laboratories / Institutions / Industries in India and abroad**

Dr. Vijay Kumar Prajapati - ICGEB Cape Town, South Africa; October 2013.

- ICTP, Trieste, Italy; September 2014.

- ICGEB Trieste, Italy; October 2014.

- CNPEM, Campinas, Brazil; June 2015.

Dr. Chandi C Mandal - International conference Bioquest 2013, Kerala, India. (August 10-14th, 2013)

- International conference on stem cell and cancer (ICSCC) (19-22 Oct, 2013)

- Global Cancer Conference, Hyderabad, India, Sept-2014

- International Conference on Anticancer Research, Sithonia, Greece, Oct-2014

26. Faculty serving in

a) National committees

b) International committees

c) Editorial Boards

d) Any other (please specify)

Sl. No.	Concern Faculty	Committee/ Journal	Membership Status
1.	Dr. Vishvanath Tiwari	BIOINFO-Journal of Proteomics, USA	Associate Editor
2.	Dr. Vishvanath Tiwari	Journal of integrated OMICS, Spain	Associate Editor
3.	Dr. Vishvanath Tiwari	J of Proteomics & Bioinformatics, USA	Editorial Board Member
4.	Dr. Vishvanath Tiwari	Frontiers in Microbiology, USA	Editorial Board Member
5.	Dr. Vishvanath Tiwari	Indian Science Congress Association, India	Life Member
7.	Dr. Vishvanath Tiwari	Society of Biological Chemists, India	Life Member
8.	Dr. Vishvanath	Indian Biophysical Society,	Life Member

Sl. No.	Concern Faculty	Committee/ Journal	Membership Status
	Tiwari	India	
9.	Dr. Vishvanath Tiwari	DNA Society of India, India	Life Member
10.	Dr. Vishvanath Tiwari	Association of Microbiologists of India	Life Member
11.	Dr. Chandi C Mandal	Indian Association of Cancer Research (ICAR)	Member
11.	Dr. Chandi C Mandal	Institutional Ethical Committee at CURaj	Member Secretary
12.	Dr. Chandi C Mandal	Institutional Biosafety Committee at CURaj	Member
13.	Dr. Chandi C Mandal	Frontier EndocriNology	Associate Editor
14.	Dr. Chandi C Mandal	Journal of Cancer Science and Therapy	Editorial Board Member
15.	Dr. Chandi C Mandal	CarciNogenesis and mutagenesis	Editorial Board Member
16.	Dr. Chandi C Mandal	American Journal of Biomedical Research	Editorial Board Member
17.	Dr. Chandi C Mandal	Applied Scientific Reports	Editorial Board Member
18.	Dr. Chandi C Mandal	American Journal of Cancer Prevention	Editorial Board Member
19.	Dr. Chandi C Mandal	Journal of Cancer Research and Treatment	Editorial Board Member
20	Dr. Chandi C Mandal	American Journal of Food and Nutrition	Editorial Board Member
21	Dr. Chandi C Mandal	Future Science Open	Editorial Board Member
22	Dr. Chandi C Mandal	International Journal of Clinical Biochemistry and Research	Editorial Board Member
23	Dr. Chandi C Mandal	Indian Journal of Pathology and Oncology	Associate Editor
24	Dr. Vijay Kumar Prajapati	The Journal of Infection in Developing Countries (IF-1.3)	Advisor to Editorial board
25	Dr. Vijay Kumar Prajapati	Journal of Molecular Biomarkers & DiagNosis (IF-1.98)	Member of Editorial board
26	Dr. Vijay Kumar Prajapati	Journal of Infectious Diseases and Therapy	Member of Editorial board
27	Dr. Vijay Kumar Prajapati	Future Science Open	Editorial Board Member

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

1. Dr. Vishvanath Tiwari, Dec 2013 to Jan 2014 (One Month)- Orientation course for teaching organized by JN Vyas University, Jodhpur at Central University of Rajasthan, Ajmer, India.
2. Dr. Chandi C Mandal, Dec 2013 to Jan 2014 (One Month)- Orientation course for teaching organized by JN Vyas University, Jodhpur at Central University of Rajasthan, Ajmer, India.
3. Dr. Vijay Kumar Prajapati, Dec 2013 to Jan 2014 (One Month)- Orientation course for teaching organized by JN Vyas University, Jodhpur at Central University of Rajasthan, Ajmer, India.

28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects
100%
- Percentage of students doing projects in collaboration with other universities / industry / institute.

Students do the project with the collaboration of other institutes such as AIIMS, New Delhi JLN Hospital, Ajmer, Marble City Hospital, Kishangarh, Ajmer, Rajasthan

29. Awards / recognitions received at the National and International level by

- Faculty
1. Dr. Chandi C Mandal- DST Travel Award to attend International Conference (International Institute of Anticancer Research), Greece (2014).
 2. Dr. Chandi C Mandal- Postdoctoral Fellowship Award, Cancer Prevention and Research Institute of Texas (CPRIT), USA (2011)
 3. Dr. Chandi C Mandal- 2nd Place Winner (In Recognition of Excellent Research Work) in 3rd Annual Symposium of Cancer Therapy & Research Center (CTRC), San Antonio, Texas, USA (2010).
 4. Dr. Chandi C Mandal- Young Investigator Travel Grant Recipient in 32nd Annual Meeting of the American Society for Bone and Mineral Research (ASBMR), Toronto, Canada (2010).
 5. Dr. Chandi C Mandal- Young Investigator Award in 30th Annual Meeting of the American Society for Bone and Mineral Research (ASBMR), Montreal, Canada (2008).
 6. Dr. Vijay Kumar Prajapati- Member of National Academy of Sciences, India (MNASc).
 7. Dr. Vijay Kumar Prajapati- International travel award from Strategic Network on Neglected Diseases and ZooNoses, Belgium to attend Trieste Course Leishmania 2014 at Italy, Oct 2014.

8. Dr. Vijay Kumar Prajapati- International travel award from FAPESP to attend Sao Paulo School of Advance Sciences on Neglected Diseases at CNPEM, Campinas, Brazil, June 2015.
 9. Dr. Vijay Kumar Prajapati- Best Oral Presentation Award in Global Infectious Diseases training program 2013 at ICGEB, Cape Town, South Africa.
 10. Dr. Vijay Kumar Prajapati- ICGEB fellowship to attend Global Infectious Diseases Research training program at Cape Town, South Africa in Oct 2013.
 11. Dr. Vijay Kumar Prajapati- International travel award from Strategic Network on Neglected Diseases and ZooNoses, Belgium to attend 5thWorld Congress on Leishmaniasis at Brazil, May 2013.
 12. Dr. Vijay Kumar Prajapati- Ranbaxy Science Scholar Award-2011 for young scientist from Ranbaxy Science Foundation, Gurgaon, India.
 13. Dr. Vijay Kumar Prajapati- WHO fellowship to attend "Advanced WHO-IRTC/UNIL Course on Immunology, Vaccinology and BioTechnology applied to Leishmania" at University of Lausanne, Switzerland, organized by Prof Fabienne Tacchini-Cottier in October 2011.
 14. Dr. Vijay Kumar Prajapati- Certificate of Merit from NaNoscience and Technology Unit, BHU for R&D effort on NaNomedicine drug delivery on the occasion of India Independence day, August 2010.
 15. Dr. Vijay Kumar Prajapati- European Commission fellowship for 6 week internship with Prof. Jean-Claude Dujardin in the Institute of Tropical Medicine, Antwerp, Belgium, and Prof. Louis Maes at University of Antwerp, Belgium, April-May 2009.
- Doctoral / post doctoral fellows : 02, DST Inspire Fellowship for meritorious students; 01, NET/LS;
Students: 03, GATE; 01 CSIR/JRF.
30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Conference/ Workshop	Source of Funding	National/ International
NIL	NIL	NIL
NIL	NIL	NIL

31. Code of ethics for research followed by the Departments

Research Work is conducted according to Intuitional Ethical Committee and Intuitional Biosafety Committee.

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass	
		Male	Female	Percentage Male	Female
Int.M.Sc Biochemistry	*	10	14	Ongoing	

(2013-16)			
Int M.Sc Biochemistry (2014-17)	*	12;13	Ongoing
M.Sc Biochemistry (2013-15)	*	12;13	96%;100%
M.Sc. Biochemistry (2014-16)	*	09;16	Ongoing
Ph.D Biochemistry	*	03;04	100% ;100%

* data Not available with the Department Now as the admission procedure followed through CUCET.

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
Int.M.Sc Biochemistry (2013-16)	NA	92%	8%	0%
Int M.Sc Biochemistry (2014-17)	NA	84%	16%	0%
M.Sc Biochemistry (2013-15)	0%	40%	60%	0%
M.Sc. Biochemistry (2014-16)	0%	50%	50%	0%
Ph.D Biochemistry	0%	43%	57%	0%

* Data Not available with the Department Now.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category wise.

Integrated M.Sc./M. A.:

Batch 2013- 2018 NIL

M.Sc. / M. A.:

Batch 2011-2013 CSIR- NET Exam, UPSC- IAS Exam

Batch 2012- 2014 CSIR – NET Exam

Batch 2013- 2014 None

Name of the student	Gender Male Female	Category				Competitive Exam Qualified
		General	SC	ST	OBC	
Aditi Upadhaya	Female	General				GATE
Vivek Bhajiya	Male	General				GATE, SET
Hemalata	Female	OBC				NET-JRF

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil	NA
PG to Ph.D	0%
Ph.D to Post-Doctoral	NA
Employed	0%
<ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	
Entrepreneurs	0%

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	0 %
From other universities within the state	0 %
From universities from other states	100 %
From universities outside the country	0 %

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Nil, All faculties have been awarded Ph.D degree before joining CURAJ

38. Present details of Departmental infrastructural facilities with regard to

- a) Library- Department books budget is used for procuring the books in the central library
- b) Internet facilities for staff and students-Yes, Whole campus is wifi enabled
- c) Total number of class rooms- 01 Room for M.Sc Biochemistry, 01 Room for Int. Biochemistry
- d) Class rooms with ICT facility – 01 Room
- e) Students' laboratories- 01 Lab
- f) Research laboratories- 03 Lab (01, General Lab, 01 Animal cell culture Lab, 01 Bacterial cell culture Lab)

39. List of doctoral, postdoctoral students and Research Associates

- a) From the host institution/University: 00
- b) From other institutions/universities: 08

40. Number of post graduate students getting financial assistance from the University. 06 for M.Sc**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

- 42. Does the Department obtain feedback from:**
YES, at University level
- c. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?** For the improvement of teaching and learning process and also used in the syllabus committee meeting for necessary modification
- d. Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?** Student's feedback is taken regularly in semester after each internal assessment for the improvement of teaching and learning process.
- c. alumni and employers on the programmes offered and how does the Department utilize the feedback?** For the improvement syllabus and teaching
- 43. List the distinguished alumni of the Department (maximum 10)**
Mr. Mantu Kumar (2012-2014 Batch) JRF in CCMB, Hyderabad.
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**
Yes, Special lecture on cancer biology (Topic: Lectins with relevance to cancer)
- 45. List the teaching methods adopted by the faculty for different programmes.**
We prefer to maintain the "Two way learning process" where there is direct interaction of faculty and student in the class. Faculty uses several methods to improve their teaching quality such as chalk-talk method, power point method. Most faculties teach students by combining several methods so that message goes to students effectively.
- 46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?**
Department has a mechanism for the differential requirement of student population. Department classifies student on the basis of state and gender as well as their socioecoNomically status. Department develops orientation program and bridge course/ lecture for the new students in the beginning of the session which provides the basic kNowledge to all the students to bring them in the mainstream. After 1st internal examination, Department classifies students on the basis of slow and fast learner. The special attention is given to slow learner.
- 47. Highlight the participation of students and faculty in extension activities.**
Nil
- 48. Give details of "beyond syllabus scholarly activities" of the Department.**
In the M.Sc and Ph.D programme most of the subjects are research

based advanced courses. Many research papers on current development are provided to students from time to time.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.

The curriculum has been prepared by the reNowned experts from all over the India and its design structure of the curriculum is such that student get maximum exposure which is completed within a prefixed time. If any faculty may face difficulty to complete course in stipulated time, then faculty are encouraged to take some extra classes. Latter on concerned faculty suggests to Department authority to modify the syllabus accordingly. Suggestions are updated and approved for curriculum in the next school board meeting.

51. Future plans of the Department.

- To introduce the students important and advanced developments in Biochemistry and related subjects.
- To acquire a strong concept in subjects and enable master students to pursue their higher studies.
- To enable the self confidence in students to compete in National and International level of challenges.
- To impart hands on training in basic as well as advanced techniques in the Biochemical and Analytical sciences.
- To promote research pertaining to cancer, infectious diseases and other areas including drug discovery, signal transductions event with proteomics approaches.
- To establish advanced laboratory for doing quality research.
- To establish BSL-2 facility laboratory for doing infectious disease related research work.
- To establish animal house facility for doing animal model based research work.
- To develop bioinformatics laboratory for doing computational research work.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

- **Strengths:**
 1. Dynamic and enthusiastic faculty from different parts of India, trained in reputed universities and institutions (AIIMs, BHU, UH, IIT).
 2. Department had received many research grants from different funding agency like UGC, DBT, DST etc., for ongoing research.

3. Department students have published many research papers in peer reviewed journals.

4. Department faculties are active members in professional academic scientific societies.

5. Various collaborations with other universities are in pipe line.

• **Weaknesses:**

1. Sufficient funds are Not available for supporting the advance laboratory to students.

2. Less interaction with industries.

3. Less on campus placements for students from industry and institutes.

4. Advanced research facilities are Not available.

• **Opportunities:**

1. All faculties are working dynamically in teaching, research and administration in parallel which will lead to run the University smoothly in future.

• **Challenges:**

1. Currently the strength of the faculty is Not sufficient to run all the courses. Department has to run the courses with the available resources.

53. Activities reflecting the goals and objectives of the institution:

Departmental research interest is aimed to improve the human health in the following areas: Neglected diseases, cancer and bone biology, and infectious diseases.

54. Examination reforms implemented:

Choice based credit system is offered to students

Department provide extra classes for improvement of the slow learner students.

55. Community services

Department participates in NSS programmes.

56. Unit cost of education

Rs. 1200/ semester

57. Computerization of administration and the process of admissions and examination results, issue of certificates:

Done and in use since the beginning of the Department.

58. Activities and support from the Alumni Association:

Yet to be started

59. Activities and support from the Parent-Teacher Association:

Yet to be started

- 60. Health Services:**
Provided by the University
- 61. Performance in sports activities:**
Sports Secretary is from the Department of Biochemistry
- 62. Incentives to outstanding sportspersons:**
Provided by the University
- 63. Activities of the Guidance and Counselling unit:**
Each student at the time of admission is assigned faculty of the Department to guide
- 64. Placement services provided to students:**
Placement Cell are providing the support to students
- 65. Development programmes for Non-teaching staff:**
Non teaching staffs are encouraged to pursue higher education and Departmental related training.
- 66. Good practices of the institution:**
Constitution of different committees like Biosafety committee, Ethical Committee for research purposes, Biosafety course is also a part of our curriculum.
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year:** NA
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required) :** NA
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required):**
- Each faculty of the Department has received at least one project.
 - Total Budget Rs. 70,00,000.
 - Approx 15 Research articles are published in peer reviewed journals.
 - 03 Students qualified in national level examination.
 - Departmental Laboratory facilities are developed independently.
- 70. Plan of action for the next year (attach separate sheet, if required)**
- We are planning to organize conference at national/international level at Departmental level. National and International collaborative projects are in pipeline in the coming years.
- We will develop Individual faculty lab in relevance to respective research areas and core research facilities.
- Advance methodology will be implemented to provide better teaching methods to students.

Special attention will be given to the students who are performing poor in the class (academics), who are from the poor social and economic grounds.

Extra classes will be taken to support for the various competitive exams like GATE, NET, CSIR.

- 71. Any other relevant information the institution / University / Department wishes to add. None**

1. **Name of the Department** : BioTechnology
2. **Year of Establishment** : 2011
3. **Is the Department part of a School/Faculty of the University?**
Yes, School of Life Sciences
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
Integrated M.Sc. BioTechnology
M.Sc. BioTechnology
Ph.D. BioTechnology
5. **Interdisciplinary programmes and Departments involved**
Integrated M.Sc. BioTechnology,
M.Sc. BioTechnology,
Departments involved: (Physics, Mathematics, Chemistry, BioTechnology, Biochemistry, Microbiology, Environmental Sciences, English, & Hindi)
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** None
7. **Details of programmes/courses discontinued, if any, with reasons.** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Semester & Choice Based Credit System
9. **Participation of the Department in the courses offered by other Departments.**
Apart from the courses shared amongst three Departments of School of Life Sciences, the Department offers a course on "Basic Molecular Biology" to students of Department of Pharmacy.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):**

	Sanctioned	Filled
Professor	01	01
Associate Professors	02	01
Asst. Professors	04	04
Others (e.g. UGC-FRP, DST- INSPIRE)		01
11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Prof. A. K. Gupta	M.Sc., Ph.D.	Professor, Head of Department and Dean of School	Plant Molecular Biology, Genetic Engineering	33 Years	4
Dr. Pankaj Goyal	M.Sc., Ph.D.	Associate Professor	Cell Signalling and Human Diseases, Molecular Medicine & Structure Biology	10 Years (Post Ph.D.)	1
Dr. Janmejy Pandey	M.Sc., Ph.D.	Assistant Professor	Applied Microbiology & BioTechnology	5 Years (Post Ph.D.)	-
Dr. Tarun K. Bhatt	M.Sc., Ph.D.	Assistant Professor	ImmuNology and Structure Biology	4 Years (Post Ph.D.)	-
Dr. Jay Kant Yadav	M.Sc., Ph.D.	Assistant Professor	Biophysical Chemistry and Structural Biology	4 Years (Post Ph.D.)	-
Dr. Suman Tapryal	M.Sc., Ph.D.	Assistant Professor	ImmuNology and Structure Biology	6 Years (Post Ph.D.)	
Dr. Surendra Nimesh	M.Sc., Ph.D.	Assistant Professor	NaNoTechnology, Gene Delivery & Drug Delivery	7 Years (Post Ph.D.)	

12. List of senior Visiting Fellows, Adjunct Faculty, Emeritus Professors:

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution
1.	Prof. Deepti Deobakar	GeNomics & Proteomics	Department of Zoology, Center for Advance Studies, University of Pune, Pune, India.
2.	Prof. D. N. Deobakar	Host- Pathogen Interaction	Department of Zoology, Center for Advance Studies, University of Pune, Pune, India.
3	Prof. A. K. Gupta	Plant Molecular Biology & Genetic Engineering	Madurai Kamraj University, Madurai, India
4.	Prof. K. G. Mukharjee	Fermentation & Downstream Processing	Centre for BioTechnology, Jawaharlal Nehru University (JNU), New Delhi

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution
4.	Prof. S. Chand	Plant BioTechnology	Devi Ahilya Vishwavidyalaya, Indore, India
5.	Dr. Daniella Brunette	Cell Signalling in Cancer	University of Greifswald, Greifswald, Germany.

13. Percentage of classes taken by temporary faculty – programme-wise information

Integrated M.Sc. BioTechnology:

Academic Calendar Year 2013- 2014	10% classes
Academic Calendar Year 2014- 2015	20% classes

M.Sc. BioTechnology:

Academic Calendar Year 2010- 2011	100% classes
Academic Calendar Year 2011- 2012	100% classes
Academic Calendar Year 2012- 2013	50% classes
Academic Calendar Year 2013- 2014	5% classes
Academic Calendar Year 2014- 2015	5% classes

Ph.D. BioTechnology:

Academic Calendar Year 2012- 2013	30 % classes
Academic Calendar Year 2013- 2014	0% classes
Academic Calendar Year 2014- 2015	0% classes

14. Programme-wise Student Teacher Ratio:

Integrated M.Sc. BioTechnology:

Academic Calendar Year 2013- 2014: Students: Teacher = 25: 7
Academic Calendar Year 2014- 2015: Students: Teacher = 50: 7

M.Sc. BioTechnology:

Academic Calendar Year 2011- 2012: Students: Teacher = 17: 3
Academic Calendar Year 2012- 2013: Students: Teacher = 36: 3
Academic Calendar Year 2013- 2014: Students: Teacher = 43: 7
Academic Calendar Year 2014- 2015: Students: Teacher = 17: 3

Ph.D. BioTechnology:

Academic Calendar Year 2012- 2013: Students: Teacher = 1: 2
Academic Calendar Year 2013- 2014: Students: Teacher = 6: 7
Academic Calendar Year 2014- 2015: Students: Teacher = 14: 3

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff Positions	Sanctioned	Filled	Actual
Technical	-	-	2
Administrative	-	-	-

16. Research thrust areas as recognized by major funding agencies

Sl. No.	Thrust Area	Recognizing Funding Agency/ ies
1	Plant Molecular Biology	Department of BioTechnology, Govt. of India, India
2	Bioinformatics	Department of Science & Technology, Govt. of India, India
3	Structure-function studies	Department of Science & Technology, Govt. of India, India
4	NanoTechnology	Department of Science & Technology, Govt. of India, India
5	Microbial Diversity and Bioprospecting	Department of Science & Technology, Govt. of India, India

* A complete list of extramural funded projects is as follows:

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.

Name of the faculty with ongoing/ sanctioned projects	Title of the project and duration	Amount	Funding Agency
Prof. A. K. Gupta	Functional Characterization of a heat shock Protein (HSP90), AmiNo Acid Transporter (AAT), and Nucleosome Assembly Protein (NAP) genes for their role in root development in tomato (2014- 2017)	Rs. 51.46 Lacs	DBT, Govt. of India
Dr. Pankaj Goyal	Role of lysophospholipid in placental development (2011- 2013)	75,000 Euros	University of Greifswald, Germany
Dr. Pankaj	Development and q-PCR based	22.6	DST WoS A,

Name of the faculty with ongoing/ sanctioned projects	Title of the project and duration	Amount	Funding Agency
Goyal (mentor of Dr. Deepika)	statistical optimization of bioprocess for production of PGPR associated with cluster bean (<i>Cyamopsis tetragoloba</i>) cultivars	Lacs	Ministry of Sci. & Tech. Govt. of India
Dr. Janmejy Pandey	Comparative analysis of soil microbial diversity across textile waste- water effluent stream(s) of Sanganer Region, Raj. (2014-2017)	Rs. 22.50 Lacs	DST- SERB Ministry of Sci. & Tech. Govt. of India
Dr. Tarun K. Bhat	Molecular Modeling of malaria parasitesecretome: A potential drug target (2013- 16)	Rs. 16.74 Lacs	DST- SERB Ministry of Sci. & Tech. Govt. of India
Dr. Tarun K. Bhat	Biochemical and structural studies on two secretory proteins of plasmodium falciparum (2014- 17)	Rs. 6.00 Lacs	UGC, Govt. of India
Dr. Tarun K. Bhat	In silico screening of apicoplast proteome: In search of potential anti-malarials (2014- 17)	Rs. 24.00 Lacs	BRNS, DAE, Govt. of India
Dr. Suman Tapryal	Anti- chickengunya Ig- Viral envelope protein E2 chimeric vaccine (2014- 17)	Rs. 6.00 Lacs	UGC, Govt. of India
Dr. Jay Kant Yadav	Assessment of amyloidogenic propensities of HIV infection enhancing peptide PAP (248- 286) (2013- 16)	Rs. 19.00 Lacs	DST- SERB Ministry of Sci. & Tech. Govt. of India
Dr. Surendra Nimesh	Novel receptor targeted nanoTechnology based gene silencing approach to suppress metabolic function of PCSK9 gene for treatment of hypercholesterolemia (2013- 2016)	Rs. 18.90 Lacs	DST- SERB Ministry of Sci. & Tech. Govt. of India
Dr. Surendra Nimesh	NanoTechnology based delivery vector for targeted drug/ gene delivery for treatment of cancer and hypercholesterolemia (2014- 15)	Rs. 6.00 Lacs	UGC, Govt. of India
Dr. Surendra Nimesh	Nanoparticle aided delivery of siRNA for the treatment of breast cancer (Recommended; funds Not received as yet)	Rs. 25.0 Lacs	DBT, Govt. of India
Dr. Surendra Nimesh	Polymeric Nanoparticle mediated locked nucleic acid delivery for the treatment of breast cancer (Recommended; funds Not received as yet)	13.5 Lacs	UGC, Govt. of India

18. Inter-institutional collaborative projects and associated grants received:

Associated Faculty	Collaboration	Collaborator Grants received
Prof. A. K. Gupta	National	National Network on SOL GeNome program – Phase 2
Dr. Pankaj Goyal	International	Department of Obstetrics & Gynaecology, University of Greifswald- Germany. Scientific exchange & Funding
Dr. Pankaj Goyal	National	Department of Biochemistry, South Campus- Delhi University, Scientific exchange
		Department of BioTechnology, MNNIT, Allahabad, Scientific exchange

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

None

20. Research facility / centre with

- **State recognition** None
- **National recognition** None
- **International recognition** None

21. Special research laboratories sponsored by / created by industry or corporate bodies None

22. Publications:

- **Number of papers published in peer reviewed journals (national / international)**

60 publications (by faculty members of the Department during last 5 years. List of publications below).

1. Gaharwar B, Gour S, Kaushik V, Gupta N, Kumar V, Hause G, Yadav JK, Assessment of the effect of macromolecular crowding on aggregation behaviour of a model amyloidogenic peptide. *Protein Pept. Lett.* 22(1):87-93, 2015.
2. Jamasbi J, Megens RTA, Bianchini M, Münch G, Ungerer M, Faussner A, Sherman S, Walker A, Goyal P, Jung S, Brandl R, Weber C, Lorenz R, Farndale R, Elia N, Siess W, Differential inhibition of human atherosclerotic plaque- induced platelet activation by dimeric GPVI-Fc and anti-GPVI antibodies: functional and imaging studies. *JACC* (accepted) 2015.
3. Pandey J*, Khan F, Mahajan V, Pant M, Jain RK, Pandey G. Evidence for vital role of endo- β -N-acetylglucosaminidase in the resistance of

- Arthrobacter protophormiae* RKJ100 towards elevated concentrations of *o*-nitrobenzoate. *Extremophiles* 18(3):491-500, 2014.
4. Kumar ST, Meinhardt J, Fuchs AK, Aumüller T, Leppert J, Büchele B, Knüpfer U, Ramachandran R, Yadav JK, Prell E, Morgado I, Ohlenschläger O, Horn U, Simmet T, Görlach M, Fändrich M. Structure and biomedical applications of amyloid oligomer Nanoparticles. *ACS Nano*. 8(11):11042-52, 2014.
 5. Shariq M. Usmani, ONofrio Zirafi, Janis A. Muller, Nathallie L. Sandi-Monroy, Jay K. Yadav, Christoph Meier, Tanja Weil, Nadia R. Roan, Warner C. Greene, Paul Walther, K. Peter R. Nilsson, Per Hammarstrom, Ronald Wetzel, Christopher D. Pilcher, Friedrich Gagsteiger, Marcus Fandrich, Frank Kirchhoff & Jan Munch. Direct visualization of HIV-enhancing endogenous amyloid fibrils in human semen. *Nat. Commun.*, 5:3508, 2014.
 6. Brünnert D, Sztachelska M, Bornkessel F, Treder N, Wolczynski S, Goyal P*, Zygmunt M, Lysophosphatidic acid and Sphingosine 1-phosphate metabolic pathways and their receptors are differentially regulated during decidualization of human endometrial stromal cells. *Mol Hum Reprod* 20(10): 1016-25, 2014
 7. Koensgen D, Bruennert D, Ungureanu S, Sofroni D, Braicu EI, Sehouli J, Sümniq A, Delogu S, Zygmunt M, Goyal P, Evert M, Olek S, Biebler KE, Mustea A, (2014) Polymorphism of the IL-8 gene and the risk of ovarian cancer. *Cytokine* 71(2): 334-8, 2014.
 8. Herr F, Horndasch M, Howe D, Baal N, Goyal P, Fischer S, Zygmunt M, Preissner KT, Human placenta-derived Wnt-5a induces the expression of ICAM-1 and VAM-1 in CD133+-hematopoietic progenitor cells. *Reprod Biol* 14 (4): 262-75, 2014.
 9. Mund R., Panda N., Nimesh S., Biswas A., Novel titanium oxide Nanoparticles for effective delivery of paclitaxel to human breast cancer cells. *J. Nanopart. Res.*16, 2739, 2014.
 10. Das D., Yang Y., O'Brien J., Breznan D., Nimesh S., Bernatchez S., Hill M., Sayari A., Vincent R., Kumarathasan P., Synthesis and Physio-chemical Characterization of Mesoporous SiO₂ Nanoparticles. *J. Nanomater.* 2014 Article ID 176015, 12 pages
 11. Tapryal S, Gaur V, Kaur KJ, Salunke DM, Structural evaluation of a mimicry-recognizing paratope: plasticity in antigen-antibody interactions manifests in molecular mimicry. *J Immunol*.1;191(1):456-63, 2013.
 12. Vikram S, Pandey J, Kumar S & Raghava GP, Genes Involved in Degradation of para-Nitrophenol Are Differentially Arranged in Form of Non-Contiguous Gene Clusters in Burkholderia sp. strain SJ98. *Plos One*, 8(12):e84766, 2013.
 13. Li X, Zhang X, Ladiwala AR, Du D, Yadav JK, Tessier P, Wright P, Kelly J, Buxbaum J, Mechanism of transthyretin inhibition of Aβ

- aggregation in vitro: insights into in vivo protection. *J. Neurosci.*, 33(50): 19423-19433, 2013.
14. Kapfo W, Grace SRS, Chauhan JB, Yadav JK, Effect of Non-aqueous solvent on structural stability of α -amylase: a cost-effective prospective for protein stabilization. *Process Biochem.*, 48: 1359-5113, 2013.
 15. Sekhar PM, Yadav JK, Preferential interaction of β -globulin from sesame seeds (*Sesamum indicum* L.) with cosolvents is accompanied by the protein structural reorganization. *Protein Pept. Lett.*, 20: 510-520, 2013.
 16. Yadav JK, Macromolecular crowding enhances catalytic efficiency and stability of α -amylase. *ISRN Biotech.*, 2013 Article ID 737805, 7 pages.
 17. Goyal P*, Pandey D, Brännert D, Hammer E, Zygmunt M, Siess W, Cofilin oligomer formation occurs in vivo and is regulated by cofilin phosphorylation. *PLoS One*, 8(8): e71769, 2013.
 18. Goyal P, Brännert D, Ehrhardt J, Bredow M, Piccenini S, Zygmunt M, Cytokine IL-6 secretion by trophoblasts regulated via Sphingosine-1-phosphate receptor 2 involving Rho/Rho-kinase and Rac1 signaling pathways. *Mol. Hum. Reprod.*, 19(8): 528-38, 2013.
 19. Sateeshkumar PK and Gupta AK, Cloning of *Casurina equisetifolia* chloroplast ribosomal RNA (rRNA) and its application in phylogenetic studies. *Res. Plant Biol.*, 2 (2): 30-37, 2012.
 20. Vikram S, Pandey J, Bhalla N, Ghosh A, Khan A, Pandey G, Jain RK and Raghava GP. Branching of the *p*-nitrophenol (PNP) degradation pathway in *Burkholderia* sp. strain SJ98: Evidences from genetic characterization of PNP gene cluster. *Appl. Microbiol. BiotechNol. Express*, 2(1):30, 2012.
 21. Pandey J, Sharma NK, Khan F, Ghosh A, Oakeshott JG, Jain RK and Pandey G. Chemotaxis of *Burkholderia* sp. strain SJ98 towards chloronitroaromatic compounds that it can metabolize. *BMC Microbiol.*, 1:12-19. 2012.
 22. Haupt C, Leppert J, Röncke R, Meinhardt J, Yadav JK, Ramachandran R, Ohlenschläger O, Reymann KG, Görlach M, Fändrich M. Structural basis of β -amyloid-dependent synaptic dysfunctions. *Angewandte Chemie Int Ed.* 51:1576-1579, 2012.
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 24. Abhishek K, Bhandari A, Sinha R, Sardar S, Miss Sushma, Goyal P, Goswami C Grapputo A Molecular Phylogeny of OVOL Genes Illustrates a Conserved C2H2 Zinc Finger Domain Coupled by Hypervariable Unstructured Regions. *PLoS One*, 7(6): e39399, 2012.

25. Djafarzadeh R, Sauter M, Notohamiprodjo S, Noessner E, Goyal P, Siess W, Wörnle M, Ribeiro A, Himmelein S, Sitter S, Nelson PJ, Recombinant GPI-anchored TIMP-1 stimulates growth and migration of peritoneal mesothelial cells. *PLoS One*, 7 (4): e33963, 2012.
26. Nimesh S*, Saxena A., Kumar A., Chandra R., Improved transfection efficiency of chitosan-DNA complexes employing reverse transfection, *J. Appl. Polym. Sci.*, 124, 1771-1777, 2012.
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28. Kanneganti V, Gupta AK, RNAi mediated silencing of a wall associated kinase, 5 OsiWAK1 in *Oryza sativa* results in impaired root development and sterility due to anther indehiscence. *Physiol Mol Biol Plants* 17(1):65-77, 2011.
29. Srivastava A, Gupta AK, Datsenka T, Matoo AK, Handa AK, Maturity and ripening-stage specific modulation of tomato (*Solanum lycopersicum*) fruit transcriptome. *GM Crops* 1:4,1-13, 2011.
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39. Goyal S, Arora S, Bhatt TK, Das P, Sharma A, Kumari S, Arya D.S. Modulation of PPAR-gamma by telmisartan protects the heart against myocardial infarction in experimental diabetes. *Chem Biol Interact.* 14;185(3):271-80, 2010.
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41. Tapryal S, Krishnan L, Batra JK, Kaur KJ, Salunke DM. Cloning, expression and efficient refolding of carbohydrate-peptide mimicry recognizing single chain antibody 2D10. *Protein Expr Purif.* 72(2):162-8, 2010.
42. Kapur M, Bhatia R, Pandey G, Pandey J, Paul D, Jain RK, A case study for assessment of microbial community dynamics in genetically modified Bt cotton crop fields. *Curr. Microbiol.* 61(2):118-24. 2010.
43. Prakash D, Pandey J, Tiwary BN, Jain RK. A process optimization for bio-catalytic production of substituted catechols (3-nitrocatechol and 3-methylcatechol. *BMC BiotechNol.* 10:49. 2010.
44. Shen F, Du W, Davydova EK, Karymov MA, Pandey J, Ismagilov RF. NaNoliter multiplex PCR arrays on a SlipChip. *Anal. Chem.* 1; 82(11):4606-4612. 2010.
45. Prakash D, Pandey J, Tiwary BN, Jain RK, Physiological adaptations and tolerance towards higher concentration of selenite (Se(+4)) in *Enterobacter* sp. AR-4, *Bacillus* sp. AR-6 and *Delftia tsuruhatensis* AR-7. *Extremophiles.* 14(3):261-72. 2010.
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47. Fazlurrahman, Batra M, Pandey J, Suri CR, Jain RK, Isolation and characterization of an atrazine-degrading *Rhodococcus* sp. strain MB-P1 from contaminated soil. *Lett. Appl. Microbiol.* 49(6):721-9. 2009.
48. Nimesh S, Thibault MM, Lavertu M, Buschmann MD, Enhanced gene delivery mediated by low molecular weight chitosan/DNA complexes: Effect of pH and serum. *Mol. Biotech.,* 46, 182-196, 2010
49. Thibault M, Nimesh S, Lavertu M, Buschmann MD, Intracellular trafficking and decondensation kinetics of chitosan-pDNA polyplexes. *Mol. Ther.,* 18, 1787-1795, 2010.

50. Manchanda R, Nimesh S, Controlled size chitosan Nanoparticles as an efficient, biocompatible oligonucleotides delivery system. *J. Appl. Polym. Sci.*, 118, 2071-2077, 2010.
51. Yadav JK, Chandani N, Pande Prajakt PR, Chauhan JB, Counter effect of sucrose on ethaNoI-induced aggregation of protein, *Protein Pept Lett.*, 17:1542-1546, 2010.
52. Satheesh Kumar. P.K., Murugaiah V, Gupta AK, *In vitro* multiplication of the multipurpose tree *Casuarina equisetifolia* Linn. *Asian Jr. of Microbiol. Biotech. Env. Sc.* 11(1), 13-19, 2009.
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54. Vydehi. K and Gupta AK. Isolation and expression analysis of OsPME1, encoding for a putative Pectin Methyl Esterase from *Oryza sativa* (subsp. *indica*) *Physiol. Mol. Bio. Plants* 15(2):123-131, 2009
55. Bhatt TK, Kapil C, Khan S, Jairajpuri MA, Sharma V, Santoni D, Silvestrini F, Pizzi E, Sharma A.. A geNomic glimpse of amiNoacyl-tRNA synthetases in malaria parasite *Plasmodium falciparum*. *BMC GeNomics* 31(10):644, 2009.
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57. Goyal P*, Behring A, Kumar A, Siess W, Identifying and characterizing a Novel protein kinase STK35L1 and deciphering its orthologs and close-homologs in vertebrates. *PLoS One* 4: e6981, 2009.
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59. Pandey D, Goyal P, Dwivedi S, Siess, W. Unraveling a Novel Rac1-mediated signaling pathway that regulates cofilin dephosphorylation and secretion in thrombin- stimulated Platelets. *Blood*, 114: 415-24, 2009.
60. Nimesh S*, Chandra R, Polyethylenimine Nanoparticles as an efficient in vitro siRNA delivery system, *Eur. J. Pharm. Biopharm.* 73, 43-49, 2009.

Monographs

- 1: (Polymeric Nanoparticles for efficient *in-vitro* gene delivery. 2012. Lambert Academic Publishing, GmbH, & Co. KG, Germany)

Book Chapters: NIL

Edited Books: 3 Books (list of books as below)

1. Nimesh S, Gene Therapy: Potential Application of NaNoTechnology, Woodhead Publishing Series in Biomedicine No. 57, Oxford, UK (2013).

2. Nimesh S, Polymeric Nanoparticles for Efficient in vitro Gene Delivery, Lambert Academic Publishing, GmbH & Co. KG, Germany (2012).
3. Nimesh S, Chandra R, Theory, Techniques and Applications of NanoTechnology in Gene Silencing, River Publishers, Aalborg, Denmark (2011).

Books with ISBN with details of publishers Nil

Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.) None

- **Citation Index – range / average** 32- 1100
(Average Citation Index: 100)
- **SNIP**
- **SJR**
- **Impact Factor – range / average** 0.6- 14.10
- **H-index** 2.0- 14

23. Details of patents and income generated

Sl. No.	Concerned Faculty	Patent Status	Income Generated
1	Prof. A. K. Gupta	Patent Filed, Under Process	-

24. Areas of consultancy and income generated None

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Nil

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Sl. No.	Concern Faculty	Committee/ Journal	Membership Status
1	Prof. A. K. Gupta	Asian Journal of Microbiology, BioTechnology & Environmental Sciences	Editorial Board
2	Dr. Janmejy Pandey	Open Access Journal of BioTechnology	Editorial Board
3.	Dr. Pankaj Goyal	PeerJ	Editorial Board

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Faculty members of the Department are encouraged to attend/ undergo Refresher and Orientation programs.

Each faculty member at the rank of Assistant Professor has undergone UGC recognized Orientation Program. (Detail of the orientation program as follow):

- Faculty orientation program organized jointly by JNV- University Jodhpur and Central University of Rajasthan. December 12, 2013- January 11, 2014.

28. Student projects

- **Percentage of students who have done in-house projects including interDepartmental projects**

M.Sc. 2011-2013 batch	=	100%
M.Sc. 2012- 2013 batch	=	100%
M.Sc. 2013- 2014 batch	=	100%
M.Sc.2014- 2015 batch	=	100%

- **Percentage of students doing projects in collaboration with other universities / industry / institute.** None

29. Awards / recognitions received at the National and International level by

- **Faculty**

I: Dr. Pankaj Goyal:

Award: Hotel grant award in XIV International Symposium on Atherosclerosis at Rome (18-22 June, 2006), Italy

Highest honor (Summa cum laude) on the PhD work.

II: Dr. Janmejy Pandey:

Award: DST- Young Scientist Research Project Award (Awarded – 2014)

ASM- Best Intercept Award, Art of Science Communication - seminar, at 54th Annual Conference of Association of Microbiologists of India, MDU, Rohtak, (November 2013).

Membership: Life member, Association of Microbiologists of India

Annual member of American Society of Microbiology

III: Dr. Tarun K. Bhat:

Award: DST- Young Scientist Research Project Award (Awarded – 2012)

Membership: International Science Congress Association, Indore

Indian Biophysical Society, Kolkata

The Indian Science Congress Association, Kolkata

Indian Crystallographic Association, Bangalore

IV: Dr. Suman Tapryal:

Award: Best Oral Presentation Award at Conference on Biologically active substances and materials: fundamental and applied problems. Novy Svet, Crimea, Ukraine. May 27- June 01 2013

CSIR foreign travel grant Award – April 2015.

V: Dr. Jay Kant Yadav:

Award: DST- Young Scientist Research Project Award (Awarded – 2013)

Max Planck Institute travel grant award (Awarded – 2010)

Membership: Life member, Society of Biological Chemists, India\

Life member, Biotech Research Society, India

Life member Indian Biophysical Society

VI: Dr. Surendra Nimesh:

Award: DST- Young Scientist Research Project Award (Awarded – 2013)

DST-Young Scientist Research Project Award (Awarded 2007)

Best poster Award (Gordon Research Conferences, Protein Processing, Trafficking & Secretion: 18-23 Jun 2010, Colby-Sawyer College, New London, NH, US).

• **Doctoral / post doctoral fellows** 02

Ms. Shalini Gaur: Awarded **DST- INSPIRE Research Award**, by Department of Science & Tech.

Mr. Vijay Kumar: Awarded **RGNF Research Award**, by UGC-MHRD.

• **Students**

Several pass out students have qualified competitive exams towards research awards. A year wise list of students successful at securing such awards is as follows.

Name of the student	Exam qualified	Placement
Batch 2011-13		
Aashish Kumar		Faculty at FITZEE
Annanya Ajay	CSIR-UGC-NET-JRF-2013	Research Scholar at NII New Delhi
Gaurav Meena		Bank PO at SBI
Gaurav Sharma		Technical Assistent at FCI, Jaipur
Ghanshyam K. Satyapal	RGNF Research Fellowship	Ph.D Scholar at Central University of Bihar
Harishankar Mahto		Project Fellow at Central University of Jharkhand
Kunwar Ravendra Singh	DBT JRF, CSIR JRF	Ph.D Scholar at NEERI, Nagpur
Nemichand	R-SET-2013	Ph.D Scholar at Central University

Name of the student	Exam qualified	Placement
Kumawat		of Bihar
Pradeep Kumar Singh	DBT-JRF 2015, CSIR-UGC-NET-LS 2013, GATE-2013	Ph.D Scholar at MLNIT, Allahabad
Shashi Kumar	UGC NET	Ph.D Scholar at Central University of Bihar
Vijay Kumar	R-SET-2013, ASRB NET-2013, RGN Fellow	Ph.D Scholar at Central University of Rajasthan
Batch 2012-14		
Bharti	CSIR-UGC-NET-LS-June2014	
Bhuvan Dixit	GATE-2014, DBT-JRF-2015	Ph.D. Scholar at IIT, Guwahati
Chetana	GATE-2015	Assistant Professor at Mewar Girls College, MLSU
Harmangeet Kaur Randhawa	DBT-JRF-2014	Working at Teach For India, Ahemdabad
Krushna Chandra Hembram	DBT-JRF-2014, GATE 2014	Ph.D. Scholar at IMTECH, Chandigarh
Priyanka Madaan	CSIR-UGC-NET-LS-Dec. 2013	Assistant Professor, Batinda
Sandeep Poonia		Ph.D. Scholar at BITS, Pilani
Shalini Gour	INSPIRE-2014, CSIR-UGC-NET-JRF-June 2014	Ph.D. Scholar at Central University of Rajasthan
Shantu Sharma		Bank P.O
Vibha Kaushik	ARS-NET-2014	Ph.D. Scholar at Central University of Rajasthan
Vijay Kumar Pal		Project Assistant at IMTECH, Chandigarh
Batch 2013-15		
Ajay Kumar	DBT-JRF-2015	
Rashmi Puja	GATE-2015	
Rakesh Nagar	GATE-2015	
Subhash Singh Solanki	GATE-2015	
Sweta Nidhi	GATE-2015	

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conference/ Workshop	Source of Funding	National/ International
National Conference on Omics for BioTechnology (March, 2012)	Department of Biotechnology, Ministry of Science and Technology, Govt. of India, New Delhi & Central University of Rajasthan, Bandarsindri, Kishangarh, District: Ajmer (305817), Rajasthan	National

31. Code of ethics for research followed by the Departments Yes

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
Integrated M.Sc. BioTechnology (2013- 2018 batch)	*			N.A.	
M.Sc. BioTechnology (2011- 2013 batch)	*	14	4	100	100
M.Sc. BioTechnology (2012- 2014 batch)	*	8	11	100	100
M.Sc. BioTechnology (2013- 2015 batch)	*	12	12	100	100
M.Sc. BioTechnology (2014- 2016 batch)	*	13	11	N.A.	
Ph.D. BioTechnology (2012-2013 session)	*	-	1	N.A.	
Ph.D. BioTechnology (2013- 2014 session)	*	2	1	N.A.	
Ph.D. BioTechnology (2014- 15 session)	*	4	5	N.A.	

* Data Not available with the Department Now as the admission procedure followed was through a centralized common entrance test system.

33. Diversity of students

Name of the Course (refer to question No.4)	students from the same University	students from other universities within the state	students from universities outside the state	students from other countries
Integrated M.Sc				
(2013- 2018)	0	*	*	0
M.Sc.				
(2011- 2013)	0	11	7	0
(2012- 2014)	0	12	9	0
(2013- 2015)	0	12	12	0
(2013- 2015)	0	10	11	1
Ph.D.				
(2012-2013)	0	0	1	0
(2013- 2014)	1	1	1	0
(2013- 2014)	2	2	5	0

* Data Not available with the Department Now.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

* Data Not available as per the categorywise details.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable (1 st batch of Integrated M.Sc. program in progress)
PG to M.Phil	None
PG to Ph.D	11 Students from past 2 passed out batches have joined Ph.D. programmes. The total number of passing out students in these 2 batch is 36.
Ph.D to Post-Doctoral	Not Applicable
Employed	None. 10 students (other than those who have joined Ph.D. programmes).
<ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	
Entrepreneurs	None

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	None
From other universities within the state	None
From universities from other states	6
From universities outside the country	1

37. **Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:** None

38. **Present details of Departmental infrastructural facilities with regard to**

a) **Library** None

b) **Internet facilities for staff and students**

The faculty members, Non-teaching staff and students of Department have access to wireless as well as wire (LAN based) internet connectivity.

c) **Total number of class rooms** 2 class rooms

d) **Class rooms with ICT facility**

Both the Department class room is equipped with ICT facility.

e) **Students' laboratories**

2 teaching laboratories (1 each for UG and PG classes)

f) **Research laboratories** None

39. **List of doctoral, postdoctoral students and Research Associates**

Research Program Level	Name of the Researcher	Batch
Doctoral	Mrs. Deepti Joshi Ms. Rani Soni Mr. Vijay Kumar Mr. Pawan Kumar Ms. Vibha Kaushik Mr. Kirti Raj Ms. Nidhi Verma Ms. Drishta Mr. Manohar Vasam Mr. Sandeep Kumar Ms. Shalini Gaur Ms. Mankamna	2012-2013 (Completed Pre-PhD course work) 2013- 2014 2013- 2014 2014- 15 -do- -do- -do- -do- -do- -do- -do-
Post Doctoral	Dr. Nisha (UGC, Kothari Post Doctoral Fellow)	-
Research Associate	-	-
Women Scientist	Dr. Deepika Goyal (DST, WoS-A Women Scientist)	

a) **From the host institution/University:** None

b) **From other institutions/universities:** 01

40. Number of post graduate students getting financial assistance from the University.

Sl. No.	Programmes	No. Students getting financial assistance
1	Integrated M.Sc. BioTechnology	09 (3 each of 1 st , 3 rd and 5 th semester student)
2	M.Sc. BioTechnology	06 (3 each of 1 st and 3 rd semester)
9	Ph.D. BioTechnology	Each student enrolled in the Ph.D. programme and Not having his/ her own research fellowship through UGC- CSIR/ DST/ UGC- RGNF

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Assessment exercises were carried out for development of Integrated M.Sc. BioTechnology program.

42. Does the Department obtain feedback from:

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?**

Yes, Department obtains feedback from faculty members as well as visiting guest faculty on various occasions using multiple platforms e.g. Departmental faculty meetings etc. The feedback used to improve upon the syllabi/ curriculum of different programs.

- **Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?**

Yes, the Department obtains feedback from students about teaching methodologies, skills and pedagogy related skills of teaching faculty as well as the curriculum of the program at end of every semester and uses the same for progressive improvement of teaching methodologies and the program course- content.

- **Alumni and employers on the programmes offered and how does the Department utilize the feedback? No**

43. List the distinguished alumni of the Department (maximum 10)

Sl. No.	Name of the Student	Qualification	Current Position
1.	Ms. Ananya Ajay	UGC- CSIR, NET	Ph.D. scholar at NII, New Delhi
2.	Mr. Kuwanr Raghavendra	UGC- CSIR, NET	Ph.D. scholar at NEERI, Nagpur
3.	Pradeep Kumar	UGC- CSIR, NET; GATE	Ph.D. scholar at MLNIT, Allahabad

Sl. No.	Name of the Student	Qualification	Current Position
4.	Vijay Kumar	RGNF Research Fellowship	Ph.D. scholar at C. U. Rajasthan
5.	Shalini Gaur	UGC-CSIR, NET,DST INSPIRE	Ph.D. scholar at C. U. Rajasthan
6.	Bhuwan Dixit	DBT- JRF; GATE	Ph.D. scholar at IIT-Guwahati
7.	Krushna C. Hembram	DBT- JRF; GATE	Ph.D. scholar at IMTECH-Chandigarh
8.	Sandeep Poonia		Ph.D. scholar at BITS Pilani
9.	Chetana Swalka		Assistant Prof. Mewar Girl College
10.	Priyanka Madan	UGC- CSIR NET- LS	Assistant Professor-Bhatinda

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution
1.	Prof. Deepti Deobakar	GeNomics & Proteomics	Department of Zoology, Center for Advance Studies, University of Pune, Pune, India.
2.	Prof. D. N. Deobakar	Host- Pathogen Interaction	Department of Zoology, Center for Advance Studies, University of Pune, Pune, India.
3	Prof. A. K. Gupta	Plant Molecular Biology & Genetic Engineering	Madurai Kamraj University, Madurai, India
4.	Dr. Anuradha	GeNome Sequencing	Life Science Technologies, Gurgaon, India
5	Prof. S. Chand	Somaclonal variations in plant tissue cultures	Department of BioTechnology, Devi Ahilya Vishva Vidyalay, Indore

45. List the teaching methods adopted by the faculty for different programmes.

- Conventional chalk-board class-room teaching
- Class room teaching with application of ICT tools
- Student- Teacher interaction sessions
- Student presentations/ Journal club presentation

- Writing/ Review writing assignments for students
 - Scientific Excursion and sample collection tours
- 46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?**
- Department conducts regular faculty meeting to assess the fortnightly and monthly progress and for defining future work- plans
 - Dean, School of Life Science convenes monthly meetings with all the faculty members.
 - Department takes continuous feedback from students with focus on class- room teaching, carrier counselling and student mentoring etc.
- 47. Highlight the participation of students and faculty in extension activities.**
- Students of the Department of BioTechnology are involved in extra-curricular activities which involve interactions with residents of nearby villages e.g. Bandarsindri, Mundoti etc.
- 48. Give details of “beyond syllabus scholarly activities” of the Department.**
- Department organizes regular seminars presented by students, faculty members and external experts.
 - Department also organizes presentations, interaction sessions with visitors from international research institutions/ universities etc.
- 49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.**
- No
- 50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.**
- None
- 51. Future plans of the Department.**
- Department plans to establish world –class facilities for teaching and research in the frontier areas (Cancer Biology, Functional GeNomics of Plant Development etc.) of Life Sciences/ BioTechnology
 - Department plans to set-up state of the art research facilities in the major research areas of BioTechnology that could be made available to the researchers of the region.
 - Department plans to attract best and brightest of the students and research scholars from India and abroad.
- 52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.**
- **Strengths:**
 - The Department of BioTechnology, Central University of Rajasthan has a great team of faculty members with wide experience and

expertise in various disciplines of frontier areas of BioTechnology teaching and research.

- The technical competence of the faculty members is expected to enable them to carry out collaborative research in a highly productive manner.
- The geographical location of the Department offers the faculty members of the Department an opportunity to take up challenging research studies focusing on local issues.
- The students admitted to the various programs of the Department are selected through nation-wide selection procedures.
- The infrastructure available and expected to be erected in due time is of the highest quality and is expected to promote best research and future nation, international collaborations

- **Weakness:**

- Currently available infrastructure for research
- Lack of technical and administrative support staff(s).

- **Opportunities**

- The Department has a lot of opportunity to carry out research, teaching, and extension activities in the areas that have remained untouched with the technological advancements of the biotechnological progress.
- We also have opportunity to bring out the young and talented brains from the local region and train them in the best possible manner for becoming important contributors to the discipline of bioTechnology at national and global level.

- **Challenges**

- To attract the best students and research at PG and Ph.D. levels.

53. Activities reflecting the goals and objectives of the institution:

- Departmental research activities focusing on human health and desert area agriculture are in coherence with motto of the University i.e. Sustainable Development

54. Examination reforms implemented:

- Department offer Choice based credit system.
- Department has conducted remedial classes for students identified as slow learners at UG and PG levels.
- Department offer additional teaching for students interested in preparing for National and International level competitive exams.

55. Community services

- Faculty members and students of the Department are involved in Vermi composting project.
- Students are encouraged to participate in NSS

-
- 56. Unit cost of education** ~ 1,200/ semester
- 57. Computerization of administration and the process of admissions and examination results, issue of certificates**
Done and in use since the beginning of the Department
- 58. Activities and support from the Alumni Association**
Yet to be initiated
- 59. Activities and support from the Parent-Teacher Association**
Yet to be initiated
Department obtains feedback from parents during their visits.
- 60. Health services**
Offered to students and faculty members as part of the University service
- 61. Performance in sports activities**
- Students of the Department have participated at University level competitions.
 - Students of the Department have represented University at Zone level sports, competition.
- 62. Incentives to outstanding sportspersons:**
As per the University guidelines
- 63. Activities of the Guidance and Counselling unit:**
Department has created a system for student mentoring by faculty members for continuous counselling of students.
- 64. Placement services provided to students**
As conducted by the University
- 65. Development programmes for Non-teaching staff**
As conducted by the University
- 66. Good practices of the institution**
Department is developing standard operating protocol (SOPs) for laboratories and class room activities
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year**
None applicable
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)**
None applicable
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required)**

During the formative years, Department of BioTechnology, Central University of Rajasthan had the following objectives:

- 1: Enabling students to qualify national/ international competitive exams and securing jobs in job market through high quality and competitive teaching.
- 2: Promoting research activities to be carried out by the faculty members and students.

The Department has achieved significant progress with regards to both the activities. As indicated above more than 30% of the pass out students have qualified National Level competitive exams e.g. UGC-CSIR, NET, DBT- JRF, GATE, etc. Also more than 60% of passed out students have secured either a Ph.D. position in premier research institute of the country or a competitive job of their liking.

With regards to the promotion of research activities at the Department, a total of 3 well equipped research/ teaching laboratories have been established in the Department. All of the faculty members have secured extramural research funds and the total research funds presently available with the Department faculty is ~ 1.5 Crore. Several other applications are in the pipeline for research funds.

70. Plan of action for the next year (attach separate sheet, if required):

The Department of BioTechnology plans to further extend its research activities during next year. For the same, Department plans to write major Departmental grant proposals e.g. **DST- FIST, UGC- SAP etc..** Through such programmes, Department plans to create 'state of the art' research facilities that would be made available to faculty, researchers and students of the Department/ Other Departments of the University as well as researchers of the other nearby Universities/ Colleges.

71. Any other relevant information the institution/ University / Department wishes to add.

None.

1. **Name of the Department** : Computer Science and Engineering
2. **Year of Establishment** : 2010
3. **Is the Department part of a School/Faculty of the University?**
Yes
4. **Names of programmes Offered:**
 - M.Tech in Computer Science and Engineering (specialization in Information Security)
 - Ph.D in Computer Science and Engineering
5. **Interdisciplinary programmes and Departments involved.**
Department takes help from Department of English, Mathematics and Computer Science in few courses.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** NA
7. **Details of programmes/courses discontinued, if any, with reasons.**
NA
8. **Examination System:**
Semester and Choice Based Credit System
9. **Participation of the Department in the courses offered by other Departments**
Yes. The Department offers IT based courses for almost all the other PG programmes. In addition Department also helps Department of computer science and Department of Mathematics in running their MSc. CS and MSc. Tech Mathematics programmes by offering core/ elective courses as well as project guidance.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled
Professor	1	0
Associate Professors	2	0
Asst. Professors	4	3
Others		2 Assistant Professors on Temporary basis

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 years
Mr. Gaurav Somani	B.E. M.Tech	Assistant Professor	Information and Communication Technology	4	0
Mr. Ravi Saharan	B.E. M.Tech	Assistant Professor	Computer Engineering	8	0
Ms. Ginika Mahajan	B.E. M.E.	Assistant Professor	Software Engineering	1	0
Dr. Muzzammil Hussain	M.Tech, Ph.D	Assistant Professor	Computer Science	10	0
Dr. S. Mini	M.E, Ph.D	Assistant Professor	Computer Science	0	0

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- Prof. Dheeraj Sanghi, Professor and Dean (Academic Affairs), IIT Kanpur
- Prof. Devesh C. Jinwala, Professor, Dept. of Computer Engineering, SVNIT Surat
- Prof. Manoj Singh Gaur, Professor, Dept. of Computer Science, MNIT Jaipur
- Dr. K.V.Arya, Associate Professor, ABV-IIITM Gwalior
- Dr. Mayank Pandey, Assistant Professor, Dept. of CSE, MNNIT Allahabad
- Dr. Bruhadeshwar Bezawada, Assistant Professor, Center for Security, Theory and Algorithm Research, IIIT Hyderabad
- Dr. Gaurav Gupta, Assistant Professor, Indraprastha Institute of Information Technology Delhi

13. Percentage of classes taken by temporary faculty – programme-wise information

M.Tech - 50%

14. Programme-wise Student Teacher Ratio

1:8

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

16. Research thrust areas as recognized by major funding agencies

Information Security, Computer Networks and Distributed Systems

- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.**

NA

- 18. Inter-institutional collaborative projects and associated grants received**

- a) National collaboration b) International collaboration**

NA

- 19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

NA

- 20. Research facility / centre with**

- **state recognition**
- **national recognition**
- **international recognition**

NA

- 21. Special research laboratories sponsored by / created by industry or corporate bodies**

NA

- 22. Publications:**

- Number of papers published in peer reviewed journals (national / international)
1. "VMCloner: A Fast and Flexible Virtual Machine Cloner", 3rd International Conference on Green and Cloud Computing, Karlsruhe Germany, 2013 (With Akshita Malhotra).
 2. "Dynamic Resource Allocation using Auto-negotiation in Haizea", 7th International Conference on Contemporary Computing, Springer, Lecture Notes in Computer Science, Noida, India. 2013 (with Pratick Chokhani)
 3. "Overhead Analysis of Security Primitives in Cloud", (With A Agarwal, S Ladha Cloud and Services Computing (ISCOS), 2012 IEEE International Symposium on, 129-135.
 4. "Policy Based Resource Allocation in IaaS Cloud", Future Generation Computer Systems, Elsevier Journal of, Special Issue, March 2012. (With Amit Nathani and Sanjay Chaudhary, IF=2.365 and listed by Elsevier as one of the most downloaded paper in the journal).
 5. "Allocation of Slotted Deadline Sensitive Leases in Infrastructure Cloud", 8th International Conference on Distributed Computing and Internet Technology (ICDCIT – 2012). (With Dhairyra Vora, Sanjay Chaudhary, Minal Bhise and Vikas Kumar)

6. "Performance Isolation and Scheduler Behavior", IEEE Int'l Conference on Parallel, Distributed and Grid Computing, IEEE PDGC 2010, Solan, HP, India (with Sanjay Chaudhary).
7. "Load Balancing In Xen Virtual Machine Monitor", Int'l Conference on Contemporary Computing, Communications in Computer and Information Science. Springer LNCS, 2010, Noida, India (with Sanjay Chaudhary).
8. "Policy Based Resource Allocation in IaaS Cloud", First Int'l Conference on Utility and Cloud Computing, IEEE UCC 2010, Chennai, India. (Accepted and to appear, With Amit Nathani and Sanjay Chaudhary).
9. "Negotiation for Resource Allocation in IaaS Cloud", ACM Compute, April 2011, Bangalore.(with Janki Akhni and Sanjay Chaudhary).
10. "Application Performance Isolation in Virtualization", 41-48, IEEE Int'l Conference on Cloud Computing, CLOUD-II, Bangalore, India, 2009. (with Sanjay Chaudhary).
11. Soft-Reconfiguration Management for Operating Systems with Multiprocessor Architecture (With JN Tripathi, G Somani, K Mundra, SS Verma, H Joshi), International Conference on Advanced Computing and Communications, IIT Guwahati, ADCOM 2007.
12. E-Waste Reuse Using 3-Tier Architecture of Processor Reconfiguration , Joshi, Hiren ; Somani, Gaurav; Tripathi, Jai Narayan ; Mundra, Kamlesh ;Verma, S.S.; Sharma, G.K., International Conference on Information and Communication Technology, DIT, INDIA , 2007.
1. Title: Protection of Session Cookie from Cross Site Scripting Attacks has been communicated in 7th IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS) 2013, Chennai.
2. Title: Malware Detection Using Data Mining Techniques by Raviraj Choudhary, Ravi Saharan published in International Journal of Information Technology & Knowledge Management (0973-4414) Volume-5- No.1, Dec 2011.
3. Title: An Approach to analyze subparts of a 2D Image by Ravi Saharan, Raviraj Choudhary published in International journal of Computer Science & Communication (0973-7391) Volume 2- No.2, Sep 2011.
4. Title: Feature Detection approach from viruses through Mining by Ravi Saharan, Raviraj Choudhary published in Journal of Global Research in Computer Science (2229-317X) Volume 2- No.6, June 2011.
5. Title: Reassembly of 2 D Fragments in Image Reconstruction by Ravi Saharan, Vijay pal Choudhary published in International Journal of Computer Applications (0975 - 8887) Volume 19– No.5, April 2011.

6. Title: Security and Privacy Issues in E-Passports published in National Conference on Innovative development of next decade, challenges issues and solutions on Feb 11th and 12th, 2011.
7. Title: Analysis of 2D Fragment by Ravi Saharan, Monica Bhandari published in National Conference on Recent Advances in Electronics Telecommunication and Computing Controlled Technologies, 'NCET-CCT-2010' on Nov 22nd and 23rd ,2010.
8. Title: Fragment analysis method for an image by Ravi Saharan, Raviraj Choudhary published in "National conference on EMERGING TECHNOLOGIES & APPLICATION ETA-2010" on Feb 6, 2010.
1. J Ashok, Muzzammil Hussain, Dr E G Rajan, "Identification of Sedimentary Rock basins using Radial Basis Analysis", Published in the International Journal of reviews in computing.
2. Muzzammil Hussain, Dr A Vinaya babu and Dr A Sadanandam, " Time stamp based Routing Protocol for Mobile Ad-Hoc Networks (TSBR)", International Journal of Computer Applications, Foundation of Computer Science, New York, USA Jnauary 2012, vol 37 issue 8 pp 40-43.
3. Muzzammil Hussain, Mamidi Sreenivas, Kamalakar Ramineni, "Secure Multicasting Model For Interactive Group Communication,", Proceedings of International Conference on advance Computing and Creating Entrepreneurs organized by Geetanjali Institute of Technical Studies, Jaipur, February 2010.
4. Kamalakar Ramineni, Muzzammil Hussain, Dr A Vinay Babu, "Evolutionary approaches and Contextual models (CIR, PCM & CMM) of Information retrieval system", Proceedings of International Conference on Advances in Mathematical and computational methods, ACCM – 2011 organized by SPMVV, Tirupati.
5. J Ashok, A Sadanandam and Muzzammil Hussain, "Security of Web Applications Using Efficient Group Key Management", Proceedings of International Conference on Systemics, Cybernetics and Informatics (ICSCI 2010) organized by Pentagram Research Centre Pvt. Ltd., Hyderabad, January 2010.
6. Muzzammil Hussain, R Kamlakar, J Ashok, "Secured, authenticated Communication Model For Dynamic Multicast Groups", Proceedings of International Conference on Systemics, Cybernetics and Informatics (ICSCI 2010) organized by Pentagram Research Centre Pvt. Ltd., Hyderabad, January 2010.
7. A Sadanandam and Muzzammil Hussain, "Enhancing Email Security", Shatavahana (Bi-annual Journal), Shatavahana University, Vol 1, No. 1, September 2008.
8. Kamalakar Ramineni, M Hussain & Dr A Vinaya Babu, "Enhancement of Web Personalization – A Case study", Shatavahana (Bi-annual Journal), Shatavahana University, Vol 3, No. 1, January 2010. pp 117-124.

9. Kamalakar Ramineni, Muzzammil Hussain and Prof A Sadanandam, "A Progressive Approach to Multicast Cryptosystems", Proceedings of National Conference on Recent Trends in Network Security and Cryptography October 2009 at PES Institute of Technology, Bangalore.
10. Muzzammil Hussain, Kamalakar Ramineni and Mamidi Srinivas, "A theoretical Approach to Link mining for personalized search", Proceedings of National Conference on Intelligent Systems and Communications at SPMVV, Tirupati.
11. Kamalakar Ramineni, Muzzammil Hussain and M Chandrapal, "Tools for Web-Based Retrieval and Ranking", Proceedings of National Conference on Intelligent Systems and Communications at SPMVV, Tirupati.
12. Muzzammil Hussain, A Sadanandam and J Ashok, "Efficient Group Key Management for Multimedia and Web Applications", Proceedings of National Conference on Computing and Communications (NCCC) November 2008 at GNITS, Hyderabad.
1. Mini, S., Udgata, S.K., Sabat, S.L.: Sensor Deployment and Scheduling for Target Coverage Problem in Wireless Sensor Networks (accepted- IEEE Sensors Journal)
2. Mini, S., Udgata, S.K., Sabat, S.L.: Artificial Bee Colony Algorithm for Probabilistic Target Q-coverage in Wireless Sensor Networks (accepted- SEMCCO 2013)
3. Mini, S., Pujari, A.K.: Phase Transition Analysis of Target Coverage Problem in Wireless Sensor Networks. IEEE Sensors Journal, vol. 13, number 7, pp. 2742- 2749. (July 2013)
4. Mini, S., Udgata, S.K., Sabat, S.L.: M-Connected Coverage Problem in Wireless Sensor Networks. ISRN Sensor Networks, vol. 2012, article id 858021. (2012)
5. Mini, S., Udgata, S.K., Sabat, S.L.: A Heuristic to Maximize Network Lifetime for Target Coverage Problem in Wireless Sensor Networks. Ad hoc & Sensor Wireless Networks, vol. 13, number 3-4, pp. 251-269. (2011)
6. Mini, S., Udgata, S.K., Sabat, S.L.: Sensor Deployment for Probabilistic Target k-Coverage using Artificial Bee Colony Algorithm. In: International Conference on Swarm, Evolutionary and Memetic Computing 2011. LNCS, vol. 7076, pp. 654-661. (2011)
7. Mini, S., Udgata, S.K., Sabat, S.L.: Artificial Bee Colony based Sensor Deployment Algorithm for Target Coverage Problem in 3-D Terrain. In: International Conference on Distributed Computing and Internet Technology 2011. LNCS, vol. 6536, pp. 313-324. (2011)
8. Mini, S., Udgata, S.K., Sabat, S.L.: Sensor Deployment in 3-D Terrain using Artificial Bee Colony Algorithm. In: International Conference on Swarm, Evolutionary and Memetic Computing 2010. LNCS, vol. 6466, pp. 424-431. (2010)

9. Udgata, S.K., Sabat, S.L., Mini, S.: Sensor Deployment in Irregular Terrain using Artificial Bee Colony Algorithm. In: Proc. of IEEE BICA'09, pp. 296-300. (2009)

Monographs

1. Gaurav Somani, "Scheduling and Isolation in Virtualization", VDM Verlag Dr. Muller Publishers, Germany, Sept. 2010.
<http://www.amazon.com/Scheduling-Isolation-Virtualization-scheduling-isolation/dp/3639295137>

Chapters in Books

Edited Books

Books with ISBN with details of publishers

1. Gaurav Somani, "Scheduling and Isolation in Virtualization", VDM Verlag Dr. Muller Publishers, Germany, Sept. 2010.
 Publisher: VDM Verlag Dr. Müller (29 Sep 2010)
 Language English
 ISBN-10: 3639295137
 ISBN-13: 978-3639295139
<http://www.amazon.com/Scheduling-Isolation-Virtualization-scheduling-isolation/dp/3639295137>

Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.)

Citation Index – range / average

SNIP

SJR

Impact Factor – range / average

H-index

23. Details of patents and income generated NA
24. Areas of consultancy and income generated NA
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
 NA
26. Faculty serving in
 • National committees b) International committees c) Editorial Boards d) any other (please specify)
27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).
28. Student projects
 • percentage of students who have done in-house projects including

interDepartmental projects – 100% (M.Tech Dissertation)

- percentage of students doing projects in collaboration with other universities / industry / institute – All in- house projects

29. Awards / recognitions received at the National and International level by

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- Specialized Workshop on AI Research Directions (SWARDS 2012)” was organized in collaboration with Department of Computer Science. The Invited lectures were by-Ravi Prakash Gorthi, Ph D, Professor of Computer Science and Engineering, LNM-IIT, Jaipur and Dr. Lokendra Shastri, AVP & GM – Research, Infosys Labs, Head, Center for KNowledge Driven, Information Systems, Infosys Limited
- National Workshop on e-Governance was organized in collaboration with the Department of Computer Science with the theme of “Awareness and Communication Campaign for National e-Governance Plan (NeGP)”. The workshop was sponsored by the Department of Information Technology, Ministry of Communication and Information Technology, Government of India. Eminent speakers of the field of e-governance delivered their talk during the workshop

31. Code of ethics for research followed by the Departments: University follows anti-Plagiarism policy by using Turnitin plagiarism checker software.

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.Tech (2010-12)		21	3		
M.Tech (2011-13)		20	5	81	100
M.Tech (2012-14)	400	17	2		
M.Tech (2013-15)	810	11	6		
Phd(2012)			1		

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.Tech (2010-12)	0	83%	17%	0
M.Tech (2011-13)	0	75%	25%	0
M.Tech (2012-14)	0	75%	25%	0
M.Tech (2013-15)	0	50%	50%	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category wise.

- NET-3 students
- GATE- 47 students

35. Student progression

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil	
PG to Ph.D	5% (1 at IIT Jodhpur)
Ph.D to Post-Doctoral	
Employed	Almost all students are working in academia.
• Campus Selection	They are working in institution like NIT Hamirpur, Govt engg colleges in Raj, and other colg and univ in country
• Other than campus recruitment	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	0
From other universities within the state	3
From universities from other states	2
From universities outside the country	-

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period- 0

38. Present details of Departmental infrastructural facilities with regard to

- a) Library-
Dissertation Library
- b) Internet facilities for staff and students-
Yes (1 Gbps internet facility with Wi-Fi connectivity)
- c) Total number of class rooms - 2

- d) Class rooms with ICT facility - 2
- e) Students' laboratories – 0
- f) Research laboratories – 1
- 39. List of doctoral, postdoctoral students and Research Associates**
- a) from the host institution/University
- b) from other institutions/universities - ONE
- 40. Number of post graduate students getting financial assistance from the University.**
University Scholarship to 4 students
GATE scholarship to 29 students
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
- 42. Does the Department obtain feedback from**
- Faculty on curriculum as well as teaching learning evaluation? If yes, how does the Department utilize the feedback?
The feedback taken is used in the syllabus committee meeting for the necessary modification.
 - Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?
Student feedback taken is used in the syllabus committee meeting for the necessary modification and even individual teachers comes to know about the feedback and hence a chance to improve.
Student feedback is taken 4 times in a semester after each exam.
 - Alumni and employers on the programmes offered and how does the Department utilize the feedback?
Alumni feedback is taken on alumni day and convocation mostly. This feedback is taken seriously into account for Departmental development activities.
- 43. List the distinguished alumni of the Department (maximum 10)**
- Arvind Dhaka, Jai Bhaskar, Rahul Agarwal, Vikas jaiman, Shashank Gupta in academia
- Rajkiran Meena in Income Tax Department
- Bharat Dev Meghwal (SBBJ), Raju Ram (Dena Bank), Rajeev (Canara Bank)
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**
- Specialized Workshop on AI Research Directions (SWARDS 2012)" was organized in collaboration with Department of Computer Science. The Invited lectures were by-Ravi Prakash Gorthi, Ph D, Professor of Computer Science and Engineering, LNM-IIT, Jaipur and Dr.

Lokendra Shastri, AVP & GM – Research, Infosys Labs, Head, Center for KNowledge Driven, Information Systems, Infosys Limited

- National Workshop on e-Governance was organized in collaboration with the Department of Computer Science with the theme of “Awareness and Communication Campaign for National e-Governance Plan (NeGP)”. The workshop was sponsored by the Department of Information Technology, Ministry of Communication and Information Technology, Government of India. Eminent speakers of the field of e-governance delivered their talk during the workshop
- Winter Talk by experts on research in the field of Information Security
- Prof. Dheeraj Sanghi, Professor and Dean (Academic Affairs), IIT Kanpur
- Prof. Devesh C. Jinwala, Professor, Dept. of Computer Engineering, SVNIT Surat
- Prof. Manoj Singh Gaur, Professor, Dept. of Computer Science, MNIT Jaipur
- Dr. K.V.Arya, Associate Professor, ABV-IIITM Gwalior
- Dr. Mayank Pandey, Assistant Professor, Dept. of CSE, MNNIT Allahabad
- Dr. Bruhadeshwar Bezawada, Assistant Professor, Center for Security, Theory and Algorithm Research, IIIT Hyderabad
- Dr. Gaurav Gupta, Assistant Professor, Indraprastha Institute of Information Technology Delhi

45. List the teaching methods adopted by the faculty for different programmes.

ICT enabled teaching methodologies via presentations, seminars (open seminars).

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

- After each exam the result is evaluated and slow learners and advance learners are identified.
- Consequently slow learners are provided with extra classes to bridge the gap and advance learners are given additional reading material to study advance topics.
- In regular Departmental meetings the subject coverage and topic completion progress is ensured.

47. Highlight the participation of students and faculty in extension activities.

Department manages incubation centre STIDE to provide funding to start ups having innovative entrepreneurship ideas.

48. Give details of “beyond syllabus scholarly activities” of the Department.

In M.Tech Program, most of the subjects are research based advance courses and in each of the subject multiple research papers on recent inNovations in the Information Security area are added time to time.

In addition to this, multiple guest lectures are conducted b subject area experts in the Department details are given in Q 45.

49. State whether the programme/ Department is accredited/ graded by other agencies?

If yes, give details.

No

50. Briefly highlight the contributions of the Department in generating new kNowledge,

Basic or applied

Most of the Master's thesis has generated quality papers in reputed journals and conferences worldwide.

51. Future plans of the Department.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strength

- 1) Unique program in Information Security.
- 2) Student quality (Mostly from GATE) and all the outgoing students are placed in academic institutions like NITs, Government engineering colleges, public sector banks and industry.
- 3) Faculty members from top institutions in the country.
- 4) Department students and faculty has published in reputed journals and conferences.
- 5) Collaboration with IITs, NITs and IIITs for research supervision/ Examination of MTech students.

Weakness

- 1) On campus placement from industry has Not taken up.
- 2) More Interaction with the industry is needed.
- 3) Research facility related to Cyber forensics is needed.
- 4) Funded research projects are Not there.

53. Any other relevant information the institution/University / Department wishes to add.

As part of their MTech program students are required to work towards one master's thesis. To make this thesis standardized and result oriented, we have implemented a very intensive plan of action which include 6 seminars/ presentations/ viva's in the complete year. Amongst these six seminars, two of them will be evaluated by external monitors / examiners.

- a. Advisor selection and Research area/ topic/ definition selection and submission
- b. Interim Progress Seminar (IPS)
- c. Semester Progress Seminar 1 (SPS-1)
- d. Semester Progress Seminar 2 (SPS-2)
- e. Semester Progress Seminar 3 (SPS-3)
- f. Semester Progress Seminar 4 (SPS-4)
- g. Final Thesis Seminar (FTS)

This will help us to build a better program and produce quality research. We have identified expert's in country on the basis of their research and related work. We had invited them to become an external examiner/ supervisor for these students.

Usually, all the University's in the country only calls examiners for the final thesis viva, but the major idea we want to stress upon here is that the examinations are secondary but the progress is primary. So their association from early days of MTech thesis has helped us in getting our supervisor's and students to work closely and produce something directional as well as meaningful.

1. **Name of the Department** : **Chemistry**
2. **Year of Establishment** : 2010
3. **Is the Department part of a School/Faculty of the University?**
Yes, School of Chemical Sciences & Pharmacy
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.) :**
 - (i) Integrated M.Sc.(5 Year programme)
 - (ii) M.Sc. Chemistry (Two Year programme)
 - (iii) Integrated M.Sc. B.Ed. (Three Year Programme)
 - (iii) Ph.D. Program in Chemical Sciences

Interdisciplinary programmes and Departments involved:

 - Some Inter-disciplinary courses offered such as CHT-304, CHT-303, ICT, CHT-106, CHT-107 etc.
 - Apart from class room programs, Inter-disciplinary research projects both at institutional, National and International level are being under taken by the faculty.
 - Choice Based Credit System is offered,
Students of Department of Environmental Science have been taught Environmental Chemistry by the Faculty of Chemistry.
13-Students from the Department of Pharmacy opted for the following M.Sc. Chemistry Courses
 - (i). Stereochemistry & Reaction Mechanism CHT-103
 - (ii). Spectroscopy CHT-301
 - (iii) Pericyclic Reactions, Photo Chemistry; CHT-302
 - (iv) OrgaNo Metallics:CHT-204
 - (v) Natural Products Synthesis; CHT-405
 - (vi) Disconnection approaches CHT-202
 - (vii) Cost Analysis of Industrial Projects, MPMC-300
- 01- Student from the Department of Pharmacy opted for the following Ph.D Courses
 - (i) Scientific writing and seminar, PCHT-101, Unit-III
 - (ii) Instrumental Techniques PCHT-101, Unit-IV
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
 - A course on industrial chemistry planned for Integrated M.Sc. B.Ed

program in Third year with the collaboration of experts from Industry, viz, Prof. Ekundi from Hikal Bangalore and Prof.Choube from BASF Mumbai.

7. Details of programmes/courses discontinued, if any, with reasons

NIL

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

- Semester with Choice Based Credit System

9. Participation of the Department in the courses offered by other Departments:

- Department of Pharmacy
- Faculty of the Department taking a course in the school of earth sciences;
- A course on materials science being planned with the school of physical sciences and life sciences

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Post	Sanctioned	Filled
Professor	1	1
Associate Professors	2	1
Asst. Professors	4	3
Others (INSPIRE), UGC-FRP	-	1+1=2
Asst. Professors, School of Education	2	2

11. Faculty profile with name, qualification, designation, area of specialization, post-Ph.D. experience and research under guidance

Name	Qualification	Designation	Research Specialization	Experience (Years)	No. of Ph.D. students guided for the last 4 years
Prof. R. T. Pardasani	Ph.D.	Dean, Professor	Synthetic Organic, Heterocyclic and computational chemistry	36 (Research) 31 (Teaching)	07 awarded 02 (on going)
Dr. Sunil G Naik	Ph.D.	Associate Professor and Head	Coordination Chemistry, BioInorganic Chemistry	14	04 (on going)
Dr. Raghu Chitta	Ph.D.	Assistant Professor	Artificial Photosynthesis,	13	04 (on going)

			NaNoTechnology & Fluorescent Chemosensors.		
Dr. Easwar Srinivasan	Ph.D.	Assistant Professor	OrgaNocatalysis and Natural products synthesis	13	02 (on going)
Dr. Srinivasarao Yaragorla	Ph.D.	Assistant Professor	Organic Synthesis	10	03 (on going)
Dr. Chandrakanta Dash	Ph.D.	UGC-Assistant Professor	INorganic Chemistry	3	01 (ongoing)
Dr. Rahul Pal	Ph.D.	Assistant Professor	Physical Chemistry	1.5	
Dr. Gopal K	Ph.D.	Assistant Professor	INorganic Chemistry	2	
Dr. Anuj Sharma	Ph.D.	DST-Inspire Assistant Professor	INorganic Chemistry	2	
Dr. Tapta Kanchana Roy	Ph.D.	Assistant Professor	Physical Chemistry	6 months	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- Prof. S. D. Samant, ICT Mumbai and Prof. M. S. Wadia, University of Pune – key concepts of organic chemistry & spectroscopy
- Dr. Shraedha Tiwari, VJTI, Mumbai – course lectures on “Thermodynamics & Kinetics”
- Prof. M. S. Balakrishna, IIT Bombay – research seminar
- Prof. Nand Kishore IIT Bombay – course lectures on “Molecular Spectroscopy”
- Prof. N. V. Thakkar (Ex-OSD, CURAJ) – course lectures on “Group Theory”
- Prof. Peter Coloe and Prof. Suresh Bhargava from RMIT, Melbourne, Australia – research seminars
- Prof. E. D. Jemmis, Director, IISER Thiruvananthapuram – research seminar
- Prof. Tulsi Mukherjee, BARC Mumbai – research seminar and safety lecture
- Prof. Sudha Srivastava, TIFR Mumbai and Dr. Subash Kushoo, DRDO Delhi – research seminars on NMR spectroscopy
- Prof. Pahup Singh, Ex-HOD-Chemistry, University of Rajasthan, Jaipur – Special Lectures on NMR, 2013
- Prof. M. S. Wadia, University of Pune, Special Lectures on NMR, 2012

- Prof. Haiwon Lee, and team of five professors from south Korea, Indo Korean Work shop on nano materials and health care, 14/12/2012

13. Percentage of classes taken by temporary faculty – programme-wise information

M.Sc. Chemistry all courses 2010 – 2010: 100%

M.Sc. Chemistry, 2012 – 2013 : 25%

M.Sc. Chemistry, 2013 – 2014 : 15%

M.Sc. Chemistry 2014 – 2015 : 30%

Integrated M.Sc. – 30%

14. Programme-wise Student Teacher Ratio

M.Sc; 22:5

Ph.D. 3:1

Integrated M.Sc. 175:3

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Post	Sanctioned	Filled
Admins staff : MTS	01	01
Assistant	0	0
Technical staff: TA	01	01
Masters Lab Assistant	01	01
Integrated M.Sc. Lab Asstt.	01	01

16. Research thrust areas as recognized by major funding agencies

Proposals are being submitted to DST, CSIR, UGC, BRNS, SAP-UGC, FIST-DST with the thrust areas of Green chemistry and sustainable Technology, Metal-catalysed as well as MCR based synthesis of organic and heterocyclic scaffolds, Energy harvesting materials, OrgaNocatalysis, Metal based drugs, Conversion of Solar Energy to Electricity and Water Oxidation, NaNomaterials for Energy conversion and Medicine, Natural Products synthesis and Catalysis and anti-Malarial drugs

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Dr. Raghu Chitta (a) Combinatorial Design of Panchromatic Sensitizers for	National	Rs. 6,00,000/-

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
(b) Dye Sensitized Solar Cell Applications Cost Effective Zinc Oxide NaNorod – Copper (I) Polypyridine NaNohybrids for Dye Sensitized Solar Cells: Cheaper Metal Sensitizers for Harvesting Solar Energy	National	Rs. 25,00,000/-
Dr. Easwar Srinivasan 1) Synthesis and studies on catalytic performance of Novel ion-tagged recyclable chiral organocatalysts generated from suitable dipeptides 2) Studies towards the synthesis of protoberberine based natural products	DST (National – in collaboration with RFBR, Russia) UGC (National)	Rs. 25,00,000/- Rs. 6,00,000/-
Dr. Srinivasarao Yaragorla 1. A concise and stereospecific synthesis of functionally embellished Pyran, Piperidine (and fused heterocyclic) motifs and application in Natural Products Synthesis 2. Total Synthesis of biologically active natural and hybrid natural products for the health and sustainability 3. Synthesis and application of new ligands for Buchwalds N-arylation	National –DST CSIR UGC	25 , 00,000 16,50,000 6,00,000

18. Inter-institutional collaborative projects and associated grants received

Associated Faculty	Collaboration	Collaborator Grants received
Prof R T Pardasani	Prof. Keith Smith, University of Cardiff, UK	----
Dr. Raghu Chitta	Prof. Kent R. Mann, University of Minnesota, Twin Cities, Minnesota, U.S.A.	----
Dr. Easwar Srinivasan	Prof. Sergei Zlotin, Zelinsky Institute of Organic Chemistry, Moscow, Russia	(DST-RFBR project grant as mentioned above)

- b) International collaboration
- (i). OSI-proposal under pipe line
- (ii). Collaborative proposal sanctioned with University of Minnesota, USA.

MOU'S



Monash University, Melbourne, Australia

- Organize, or encourage the organization of joint research projects, with or without third parties as appropriate.
- Encourage exchange visits by academics, research students and undergraduate students to widen the ideas pool, exchange information and broaden the experience of individual researchers, students and participating institutions.
- Engage in joint publications of scientific papers and reviews
- Support joint courses, development of educational resources and capacity building.
- Promote joint conference and / or workshops on selected topics, with the aim of leading to furthering the development of science education, as well as proposals for joint scientific research and Technology development.



CQ University, Rockhampton, Australia

- Both institutions pledge themselves to cooperate in a spirit of mutual understanding and to develop a closer relationship of goodwill and friendship.
- On the basis of close co-operation, both institutions will undertake to explore practical approaches to creating mutually beneficial relationship in order to promote faculty research and improve the educational environment of the Parties. The parties will explore collaborative research on revegetation of disturbed sites, involving Central Arid Zone Research Institute Jodhpur, Rajasthan, India.
- The development of co-operation between the two institutions is aimed at promoting friendship and goodwill between Australia and

India, and to contribute towards the academic and cultural benefits of both nations.

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

DST FIST Rs 72 Lacs for 2014-19

Other Proposals are being submitted to UGC-FRPS, SAP-UGC, DST-Fast Track, with the thrust areas of

- Green Chemistry for Sustainable Development
- Energy Harvesting, Solar Cells
- Bio INorganic & Coordination Chemistry
- NaNo Technology
- OrgaNocatalysis
- Natural Products Synthesis
- Heterocyclic Chemistry
- Electro Chemistry
- Medicinal Chemistry
- Peptide Chemistry
- Computational Modeling

20. Research facility / centre with

- state recognition NIL
- national recognition NIL
- international recognition NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22. Publications:

- Number of papers published in peer reviewed journals (national / international) :
- Monographs
- Chapters in Books:
- Book Volumes: 01 (Springer Germany, 2012)
01 (in press, Springer Germany, 2013)
- 1. Magnetic Susceptibility of Paramagnetic Compounds, Landolt Bornstein, Professor R. T. Pardasaniwith P. Pardasani), Vol II/31B-F, Springer-Verlag, Germany, in Press, 2015.

2. Magnetic Susceptibility of Paramagnetic Compounds, Landolt Bornstein, (with P. Pardasani), Vol II/31A, Springer-Verlag, Germany, February 2012 (A volume of 662 pages).
3. Boron-11 NMR Data, Landolt Bornstein, (with P. Pardasani), Vol III/40, Supplement to Vol III/35, Springer-Verlag, Germany, 2009 (A volume of 569 pages).

Book Chapter

4. Boron-11 NMR Data, Landolt Bornstein, (with A. Pelter and P. Pardasani), Vol. III/3A, Chapter 2, p 7-130, Springer-Verlag, Germany, 1997.
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - Citation Index – range / average 3600/16

S. No	Faculty	Citations	H-index	Publications (2009-2015)
1	Prof. R. T. Pardasani	254	8	20
2	Dr. Sunil Naik	596	14	14
3	Dr. Raghu Chitta	1068	20	13
4	Dr. Easwar Srinivasan	427	10	02
5	Dr. Srinivasarao Yaragorla	140	6	05
6	Dr. Gopal K.	473	12	13

23. Details of patents and income generated NILs

S. No.	Concerned Faculty	Patent Status	Income Generated
1	Dr. Raghu Chitta	Accepted	----

24. Areas of consultancy and income generated NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Some of the faculty is applying for visits abroad under various schemes.

- (a) Dr. Raghu Chitta was selected to visit Dr. Giribabu Research Lab, IICT, Hyderabad under IAS-NASI-INSA fellowship.
- (b) Dr. Easwar Srinivasan has been granted 2 visits to the Zelinsky Institute of Organic Chemistry under the DST-RFBR project, which he shall undertake in the upcoming academic year 2015-'16

26. Faculty serving in

- a) National committees

Chemical Research Society of India (CRSI); *Indian Science Congress Association* (ISCA); *ISC*; *ISRAPS*; *ICS*

- b) International committees:

Royal Society of Chemistry, London (RSC); American Chemical Society (ACS)

- c) Editorial Boards:
- d) Any other (please specify)
- Prof. R.T. Pardasani, Reviewer of, IJC-B, JICS, National Academy Science Letters (Springer) and more.
 - Prof. R.T. Pardasani is the National Coordinator for 08 Central Universities Common Entrance Test, 2015 (CUCET-2015)
 - Prof. R.T. Pardasani is the Subject Expert-DST KVPY Fellowship for University of Rajasthan and MNIT Jaipur, 2012, 2013, 2014, 2015.
 - Prof. R. T. Pardasani is the Expert, Selection Committee for Prof/ Associate Prof/ Assistant Prof Manipal University, Jaipur. Dayalbagh Educational Institute, Agra
 - Dr Srinivasarao Yaragorla, Reviewer of National Academy Science Letters (Springer)
- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**
- Invited talks delivered at 100th Indian Science Congress - Kolkata, Indo-Korean workshop-CURAJ.
 - Lectures delivered at JNV University-Jodhpur, Jaipur National University, University of Rajasthan, DAV College Ajmer.
 - Chaired session at International Conference on “New Emerging Trends in Chemistry” at IIS University Jaipur, National Seminar on “Chemistry of Primates: Green Chemistry”
 - Invited lectures at DST-INSPIRE camps, University of Rajasthan, Jaipur
 - Chief Guest, University Maharani’s College Science Olympiad, Jaipur, Feb 2013
 - Course Coordinator of Science Academies’ Refresher course
 - Resource Person for the “*Science Academies’ Refresher Course*” organized by IAS-NASI-NSA in collaboration with Central University of Rajasthan during January 12-25, 2015.
 - Invited Talk in 16th DST INSPIRE Camp at CDPE, University of Rajasthan, Jaipur, 7th Nov 2013.
 - Invited Talk (Excitements in Chemistry) at Modi University of Technology and Science, Laxamgarh, Sikar, 6th Jan 2014.
 - Invited Talk (02) in Refresher Course, Academic Staff College at University of Rajasthan, Jaipur, 7th Feb 2014, Planary Lecture in RTRCS-2014 at Manipal University, Jaipur 21st Feb 2014.

- Resource Person- Pre- PhD Workshop on “Planning Organic Chemistry” Jaipur National University, Jaipur, 24th -27th Oct 2014.
- Resource Person- Workshop on “Interconversions in Organic Chemistry” RIE, Ajmer, 8th -17th Oct 2014.
- Invited Lectures (03) in Refresher Course, Academic Staff College, University of Rajasthan, Jaipur, 14th - 29th Dec 2014.
- Invited Talk in 102nd Indian Science Congress, University of Mumbai, 6th Jan 2015.
- Invited Talk (04) in Science Academies’ Refresher Course, CURAJ, 12th -25th Jan 2015
- Invited Lecture in 103rd Rajasthan Science Congress, Manipal University, Jaipur, 28th Feb 2015.
- Became FRSC (Fellow of the Royal Society of Chemistry) in 2012
- Course Co-coordinator of Science Academies’ Refresher course
- Invited Talk at the National conference at University of Rajasthan, Jaipur 2014
- Resource Person for the “*Science Academies’ Refresher Course*” organized by IAS-NASI-INSA in collaboration with Central University of Rajasthan during January 12-25, 2015.
- Participated: “85th Orientation Course” organized by UGC-Academic Staff College, University of Hyderabad during January 09 to February 05, 2014.
- Participated: “*Science Academies’ Refresher Course*” organized by NASI, INSA, IAS in collaboration with Central University of Rajasthan during January 12-25, 2015.
- Attended 39th Basic Science Committee BRNS Meeting
- BARC Mumbai Young Scientist Research Award Meet
- Oral Presentation - Indo-Korean Workshop at CURAJ
- Participated: “*Orientation Program*” organized jointly by UGC-Academic Staff College, Jai Narayan Vyas University, Jodhpur and Central University of Rajasthan during Dec 16, 2013 to Jan 11, 2014.
- Participated: “*Science Academies’ Refresher Course*” organized by IAS-NASI-INSA in collaboration with Central University of Rajasthan during January 12-25, 2015.
- Oral Presentaion - Indo-Korean Workshop at CURAJ
- Invited Talk – IIT Ropar, Punjab
- Oral Presentation - International Conference on “New Emerging Trends in Chemistry” at IIS University Jaipur
- Oral Presentation - International Conference on “New Emerging Trends in Chemistry” at IIS University Jaipur
- Poster presentation – International Conference at CDRI LuckNow

- An International conference on Green Chemistry was organized in 2011.
- Some of the Faculty have undergone UGC-ASC-Orientation programs
- Attended workshops, also organizing workshop on electro-analytical chemistry, national conferences.
- Organized oneday workshop on best teaching practices at CURAJ on 4th October 2013.
- Indo-Korean workshop on nanomaterials and health care with professor Hawion Lee and his team from South Korea
- One day workshop with the professors of RMIT, Australia was also organized.

28. Student projects

- percentage of students who have done in house projects including interDepartmental projects 100%
- percentage of students doing projects in collaboration with other universities / industry / institute 50% (summer internship)

29. Awards / recognitions received at the National and International level by Faculty

- Course Coordinator of Science Academies' Refresher course
- Visiting Scientist, University of Wales Swansea, UK, 2004.
- Royal Society London Visiting Fellow, University of Wales Swansea, UK, 1999.
- Dr. Ghanshyam Srivastava Memorial Award, Indian Chemical Society, Coimbatore, 1995-1996.
- INSA Visiting Fellow, Central University of Hyderabad, 1994-1995.
- Need-cum-Merit Scholarship, Govt. of Rajasthan, 1970-75.
- Became FRSC (Fellow of the Royal Society of Chemistry) in 2012
- Course Co-coordinator of Science Academies' Refresher course 2105
- Visiting Fellow, Emory University, Atlanta, GA, USA 2010-2012
- Postdoctoral fellow, Emory University and Georgia State University, USA 2003 – 2010
- DST Research Associate 2002-2003
- Gold Medal for Best Oral Presentation "Molecular Catalysts for Light Driven Water Oxidation: An Alternate Method for Creating Clean Energy". Oral Presentation given at Optics'14 International Conference on Light, Calicut, Kerala, India, March 19-21, 2014.
- Recipient of The Dora Wallace Hodgson Outstanding Doctoral Dissertation Award at Wichita State University, Wichita, KS, United States.

- Recipient of Best Poster in Poster Session at The Capitol Graduate Research Summit Organized at Topeka, KS, United States, 2007.
- Recipient of Outstanding Graduate Teaching Assistant Award for Teaching Advanced Analytical Chemistry Lab During the Spring, 2007 at Wichita State University, Wichita, KS, United States.
- First Prize in Poster Session in the “Graduate Research Scholarly Projects” Symposium Organized at Wichita State University, Wichita, KS, United States, 2006.
- Parker Fellowship Recipient, Wichita State University, Wichita, KS, United States, 2002.
- Junior Research Fellowship (JRF) and Eligibility for Lectureship (National Eligibility Test NET) Awarded by Council for Scientific and Industrial Research (CSIR), India, 2002.
- Recipient of Merit Based Scholarship during the Master’s Program, University of Hyderabad, Hyderabad, India, 2000-2002.
- Ranked first in the M.Sc. Chemistry Masters degree course, class of 1998-2000, Department of Chemistry, University of Pune with an aggregate score of 76%.
- Twice received the Star Performer award at Sai Advantium Pharma Limited on the basis of performance in coordinating research projects as a team leader.
- University of Bologna, Bologna, Italy – Post-Doctoral Fellowship award (2006-2008)
- Senior Research Fellowship (2002-2005) and Junior Research Fellowship (2000-2002), awarded by the University Grants Commission (UGC), India, on the basis of the
- National Eligibility Test (NET) conducted by the Council of Scientific and Industrial Research (CSIR), India.
- Qualified in Graduate Aptitude Test in Engineering (GATE) 2000, with a percentilescore of 96.07.
- “Best Poster Award”, National Symposium on Recent Advances in Organic Synthesis, Nasik, India, 2002.
- Co-authored an article entitled “Natural Products & Total Synthesis: Serving Mankind in Unison”, published in a college annual magazine.
- Co-authored a chapter entitled “Indian Ayurvedic System of Medicine: Scope for New Drug Design and Discovery”, for the Book of proceedings, International Conference on Drug Design 3-5 July 2008.
- Twice winner (1996-97 & 1997-98) of the “Chemistry Crossword” competition held at Ramakrishna Mission Vivekananda College, Chennai, INDIA

Doctoral / post doctoral fellows NIL**Students:**

Achievements of the students (Prizes / Scholarships / Professional exam)

- Ravindra Prajapati (2010-'12 Batch) cleared CSIR-JRF-NET with an 62 and is Now in a graduate program at IIP Dehradun.
- Sohan Lal (10-'12 Batch) qualified GATE and is Now pursuing Ph.D.
- Monica Jain (2010-'12 Batch), Meeta Bhati & Deepak Badgurjar (qualified GATE.
- Akshaya Prem (2010-'12 Batch) qualified NET.
- Chhavi Prakash Saini (Batch 2010-12) presented a poster at the ICETCS-2013 organized by Central University Gujarat, March 2013.
- Garima Singh (2013 Ph.D. Batch) presented a poster at the National Conference-2014 at IIT Madras.
- Preeti Maloo, Heena Inani, Pyarelal Saini (2012 Ph.D. Batch); Garima Singh, Deepak Badgurjar, Kanika Jain, Monika Sheoran, Venkata Nikhil Raj M. (2013 Ph.D. Batch), Surbhi Jain and Tanveer Alam Khan (2014 Ph.D. Batch) presented poster at FCASI-2015 organized by Rajasthan University, Jaipur.
- Disha Soni (2013 Ph.D. Batch) presented a poster at ICGC-2015 organized by Goa University.
- 01 student cleared NET-JRF and,
- 02 students cleared GATE exam
- 01-topper of the M.Sc. Chemistry-2013 batch awarded with prestigious DST-INSPIRE fellowship;
- 02-students cleared NET-JRF and
- 01 student passed NET-lectureship
- 09 students cleared GATE exam
- 01-topper of the M.Sc. Chemistry-2014 batch awarded with prestigious DST-INSPIRE fellowship
- 06 students cleared NET- JRF;
- 02 students passed NET lecturership;
- 05 students cleared GATE exam
- 04 students Cleared SET/SLET
- Summer Internships 2011-'13 Batch:
- G. Srikanth: Univ of Hyderabad, UGC-Networking Resource Centre
- Anita Dhaka: Univ of Hyderabad, Indian Academy of Sciences
- Seema Sharma: NCL Pune, Indian Academy of Sciences
- Meeta Bhati: IISER Kolkata
- Narendra Vaishnav: IIT Bombay

- Sonu Soni: IIT Jodhpur
NET-JRF: Narendra Vaishnav, Deepak Badgurjar and Disha Soni
GATE Exam: Meeta Bhati, Deepak Badgurjar and Deepshikha Sardiwal
SET/ SLET: Deepak Badgurjar, Meeta Bhati
2012-'14 Batch:
Summer Internships 2012-'14 Batch:
- Farsa Ram: NEIST Jorhat
- Surbhi Jain: NISER Bhubhaneshwar
- Neha Yadav: IISER Bhopal
- Vipin Choubisa: IIT Kharagpur
- Tanveer Alam Khan: IISER Pune
- Chindhu S: NIO, Kochi
- Achal Mukhija: BARC, Mumbai
 NET-JRF: Ajay Kumar Sharma, Achal Mukhija, M. K. Reddy, Surbhi Jain, Tanveer Alam Khan, Farsa Ram and Vipin Choubisa
 GATE Exam: Ajay Kumar Sharma, Achal Mukhija, Surbhi Jain, Tanveer Alam Khan, Farsa Ram, Gnagada Suneel Neha Yadav and Priyanka Kataria
 SET/ SLET: Tanveer Alam Khan and Vipin Choubisa
 2013-'15 Batch:
 Ummer Internships 2013-'15 Batch:
- Debarshi Saha: CECRI, Chennai.
- Ishu Soni: Polima Industries.
Placement Status:
- Neerusu Sai Krishna, Aarushi Gupta and Mahesh Yadav (2013-'15 Batch): Campus Recruitment by SRF Ltd.
- Ishu Soni and Vibha pareek (2013-'15 Batch): Campus Recruitment by Pharma Affiliates.
- Debarshi Saha and Ajeet Kumar Jha (2013-'15 Batch): Campus Recruitment by OLAX Pharma Labs.
 NET Exam: Aarushi Gupta and Mahesh Yadav
 GATE Exam: Manoj Kumar Meghwal
 2014-'16 Batch:
 Summer Internships 2014-'16 Batch
- Soochi Sandhya Kumari: IIT Kharagpur

- Ligeshe T: Univ. of Hyderabad
- Sapna Gehlot: IIT Bombay
- Raj Kanwar Nathawat: Dept. of Atomic Energy, Jaipur

Scholarships:

- Monika Singh (2014-'16 Batch) is availing MHRD Scholarship.
 - Raj Kanwar Nathawat (2014-'16 Batch) is availing Inspire Scholarship.
- Integrated M.Sc. 2013-'18 Batch:
Summer Internships Integrated M.Sc. 2013-'18 Batch:
- Pradhumn Singh: CECRI, Chennai.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

International Conference on Green Chemistry-2011 during Dec., 2011.

- Organizing one week workshop on electro-analytical chemistry, 25/11/13-1/12/13, key speakers:
- Proposed a national conference in February/March 2014 on Chemistry for sustainable development.
- Organized one day workshop on best teaching practices at CURAJ on 4th October 2013.
- Indo-Korean workshop on nano-materials and health care with Prof. Hawion Lee and his team from South Korea. 14/12/2012.
- One day workshop with the Professors of RMIT, Australia was also organized. Prof. Peter Coloe and Prof. Suresh Bhargava from RMIT, Melbourne, Australia, 8/2/13
- Organized Science Academies' Refresher course on Advances in Chemical Sciences and Sustainable Development January 12-25, 2015

31. Code of ethics for research followed by the Departments

- **Honesty:** Strive for honesty in all scientific communications. Honestly report data, results, methods and procedures, and publication status. Do not fabricate, falsify, or misrepresent data. Do not deceive colleagues, granting agencies, or the public.
- **Objectivity:** Strive to avoid bias in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research where objectivity is expected or required. Avoid or minimize bias or self-deception. Disclose personal or financial interests that may affect research.
- **Integrity:** Keep your promises and agreements; act with sincerity; strive for consistency of thought and action.

-
- Carefulness: Avoid careless errors and negligence; carefully and critically examine your own work and the work of your peers. Keep good records of research activities, such as data collection, research design, and correspondence with agencies or journals.
 - Openness: Share data, results, ideas, tools, resources. Be open to criticism and new ideas.
 - Respect for Intellectual Property: HoNor patents, copyrights, and other forms of intellectual property. Do not use unpublished data, methods, or results without permission. Give credit where credit is due. Give proper ackNowledgement or credit for all contributions to research. Never plagiarize.
 - Confidentiality: Protect confidential communications, such as papers or grants submitted for publication, personnel records, trade or military secrets, and patient records.
 - Responsible Publication: Publish in order to advance research and scholarship, not to advance just your own career. Avoid wasteful and duplicative publication.
 - Responsible Mentoring: Help to educate, mentor, and advise students. Promote their welfare and allow them to make their own decisions.
 - Respect for colleagues: Respect your colleagues and treat them fairly.
 - Social Responsibility
 - Scientific misconduct
 - Falsification of results
 - Publication misconduct
 - Plagiarism
 - Different forms / severities
 - The paper must be original to the authors
 - Duplicate submission
 - Duplicate publication
 - Lack of ackNowledgement of prior research and researchers
 - Inappropriate identification of all co - authors
 - Conflict of interest
 - **Multiple Submissions**
 - Multiple submissions save you time but waste editor's and reviewer's time
 - The editorial process of your manuscripts will be completely stopped if the duplicated submissions are discovered.
 - Do Not send your manuscript to a second journal UNTIL you receive the final decision of the first journal

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.Sc.Chemistry, 2011-2013	424			09	08
M.Sc.Chemistry, 2012-2014	491			07	14
PhD Chemistry, 2012	147	01	0	-	
PhD Chemistry, 2013	175		04 06	-	

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.Sc.Chemistry,2010- 2012	NIL			NIL
M.Sc.Chemistry,2011- 2013	NIL	70%	30%	0
M.Sc.Chemistry,2012- 2014	NIL	43%	57%	0
PhD Chemistry, 2012	NIL	100%	0	0
PhD Chemistry, 2013	NIL	44%	56%	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Name of the student	Gender Male/ Female	Category General /SC /ST/OBC	Competitive Exam Qualified
Deepak Badgurjar	M	SC	GATE, SET, NET-CSIR JRF
Deepshikha Sardiwal	F	OBC	SET, GATE
Disha Soni	F	GEN	GATE, NET-CSIR JRF
G. Srikanth	M	GEN	NET-CSIR JRF
G. Narasimha	M	OBC	GATE
Kanika Jain	F	GEN	DST-INSPIRE
Meeta Bhati	F	GEN	GATE, SET
Narendra Vaishnav	M	OBC	GATE, NET-UGC-JRF

Priyanka Meena	F	ST	NET-LS
Sonu Soni	F	OBC	SET

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil	NA
PG to Ph.D	44% in 2013
Ph.D to Post-Doctoral	NIL
Employed	NIL
• Campus Selection	15%
• Other than campus recruitment	>20 students working as college lecturers and school teachers
Entrepreneurs	NIL

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	0
From other universities within the state	1
From universities from other states	8
From universities outside the country	2

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

NIL

38. Present details of Departmental infrastructural facilities with regard to

- Library: online access to most of the Journals through Infilbnet, Scifinder facility, a good collection of all latest reference books and text books.
- Internet facilities for staff and students 100 %
- Total number of class rooms 05
- Class rooms with ICT facility 01
- Students' laboratories 03
- Research laboratories 07

39. List of doctoral, postdoctoral students and Research Associates

- from the host institution/University NIL
- from other institutions/universities 03

40. Number of post graduate students getting financial assistance from the University.

09- from the University

More than 50% of the students are getting fellowship from state govt schemes.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Regular feedback from alumni students, parents of the students, from outside experts.

42. Does the Department obtain feedback from;

- a. Faculty on curriculum as well as teaching learning evaluation? If yes, how does the Department utilize the feedback?

YES, regularly modified the curriculum in the light of faculty feedback, also introduced new courses like "Advanced INorganic Chemistry, Total Organic Synthesis and Advanced Physical Chemistry

- b. Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?

YES: confidential with the University

- c. Alumni and employers on the programmes offered and how does the Department utilize the feedback?

YES, for curriculum development

43. List the distinguished alumni of the Department (maximum 10)

1. G Srikanth, University of Hyderabad
2. Sohan Lal, IITB
3. R Prajapath, IIP Dehradun

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Prof. S. D. Samant, ICT Mumbai and Prof. M. S. Wadia, University of Pune – key concepts of organic chemistry & spectroscopy
- Dr. Shraedha Tiwari, VJTI, Mumbai – course lectures on "Thermodynamics & Kinetics"
- Prof. M. S. Balakrishna, IIT Bombay – research seminar
- Prof. Nand Kishore IIT Bombay – course lectures on "Molecular Spectroscopy"
- Prof. N. V. Thakkar (Ex-OSD, CURAJ) – course lectures on "Group Theory"
- Prof. Peter Coloe and Prof. Suresh Bhargava from RMIT, Melbourne, Australia – research seminars
- Prof. E. D. Jemmis, Director, IISER Thiruvananthapuram – research seminar
- Prof. Tulsi Mukherjee, BARC Mumbai – research seminar and safety lecture

- Prof. Sudha Srivastava, TIFR Mumbai and Dr. Subash Kushoo, DRDO Delhi – research seminars on NMR spectroscopy
- Prof. Pahup Singh, Ex-HOD-Chemistry, University of Rajasthan, Jaipur – Special Lectures on NMR, 2013
- Prof. M. S. Wadia, University of Pune, Special Lectures on NMR, 2012
- Prof. Haiwon Lee, and team of five professors from south Korea, Indo Korean Work shop on nano materials and health care, 14/12/2012
- Distinguished Scientists from nationwide delivered lectures in the Science Academies' Refresher course. January 12-25, 2015

45. List the teaching methods adopted by the faculty for different programmes.

Class room teaching using black board; ICT; Tutorials; Home assignments, Self study and student seminars.

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Regular meeting with the students
- Internal assessment and EoSE
- Performance at national level tests etc.

47. Highlight the participation of students and faculty in extension activities.

Prof. R.T.Pardasani – member of NGO, Vivekanand Social Service sansthan,

Activities: Environmental awareness programmes and Blood donation camps

48. Give details of “beyond syllabus scholarly activities” of the Department.

Organization of Science day, Quiz, Alumni meet

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

Not Yet.

50. Briefly highlight the contributions of the Department in generating new knowledge, basic or applied.

New research is being planned by all faculty members which will contribute to the enhancement of basic and applied sciences.

51. Future plans of the Department.

- Shifting to the new permanent building in 2015
- Establishing Teaching laboratories and Instrumentation laboratories
- Furnishing of all research laboratories with modular furniture

- Purchase and installation of major equipments such as NMR-500 MHz, HRMS, XRD, GCMS, HPLC, Electrochemical work station, surface area analyser, Microwave synthesizer, etc
- Opening of new Department of Materials Chemistry

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths:

- Established excellent reputation in teaching
- Competent faculty with high research potentials
- Engrossing good infrastructure and world class laboratories

Weaknesses:

- Unable to attract the good students due to the location of the University

53. Activities reflecting the goals and objectives of the institution

The purpose of post-graduate education in Science is to create highly skilled manpower in specific areas, which will lead to generation of new knowledge and creation of wealth for the country. Chemistry is a fundamental science and has contributed immensely to the improvement of the life of human beings by providing many of human requirements and essentialities. Chemistry is important to the world economy as well. The developments in Chemistry during last few decades are phenomenal. It is also seen that these developments are crossing the traditional vertical boundaries of scientific disciplines; the more inclination is seen towards biological sciences. New branches of chemistry are emerging and gaining importance, such as bioorganic chemistry, materials chemistry, computational chemistry, etc. The practice of Chemistry at industrial scale also is undergoing radical changes and is more or more based on deep understanding the chemical phenomena. The emerging Chemical Technologies are highly science based. The aid of computers has not only accelerated growth in the practice of Chemistry, but revolutionized the entire field. A chemist cannot isolate himself from other disciplines. Thus, after a long span of more and more specialization in graduate and post-graduate syllabi, a symbiotic interdisciplinary approach now seems to be more relevant.

The practice of Chemistry, as is witnessed, over a span of more than a century has also created concomitant and perhaps unavoidable impacts of human environment. The adverse effects were particularly noted during last few decades. The concept of sustainable development is now well accepted. Though not a separate branch of Chemistry, Green Chemistry has emerged as a new approach to the practice of Chemistry on the background of sustainability. The Chemical Industry is now pressurized from both the Government and the Society to develop ecofriendly processes and products which will reduce waste and prevent toxic substances from entering the

environment. The principles and applications of Chemistry should be learnt on this background.

54. Examination reforms implemented

Continuous Internal Assessment System, using Seminars, Home assignments, surprise tests, class room performances, Quiz, MiNor and Major Examination

55. Community services

56. Unit cost of education

57. Computerization of administration and the process of admissions and examination results, issue of certificates

58. Activities and support from the Alumni Association

59. Activities and support from the Parent-Teacher Association

60. Health services

61. Performance in sports activities

62. Incentives to outstanding sportspersons

63. Activities of the Guidance and Counselling unit

64. Placement services provided to students

65. Development programmes for Non-teaching staff

66. Good practices of the institution

67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year

68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)

69. Outcomes achieved by the end of the year (attach separate sheet, if required)

- Ph.D. Program in chemical sciences initiated wef the academic year 2012-2013
- New and Innovative Integrated M.Sc. (5 years) started from the academic year 2013-2014
- Plan for Permanent Building block of the school A4A was finalized.
- A number of major instruments either purchased or ordered; 500 MHz Bruker NMR, GCMS, HPLC, Electrochemical work station, Glove box, surface area analyser, Microwave synthesizer, Buchi Rotavapors, Melting Poing apparatus, Precesion balances etc.
- The topper of the 2013 MSc chemistry batch awarded prestigious DST-INSPIRE research fellowship.
- 02-students cleared NET-JRF and
- 01 student passed NET-lectureship

-
- 07-students were selected for Summer Internship in May-July 2013 at reputed national Institutions and Universities, viz, IISER's. IIT's Central Universities and CSIR laboratories..
 - Organized one day workshop on "Best Teaching Practices" at CURAJ on 4th October 2013.
 - Indo-Korean workshop on nano-materials and health care with Prof. Hawion Lee and his team from South Korea on 14/12/2012 was organized
 - One day workshop with the Professors of RMIT, Australia was also organized. Prof. Peter Coloe and Prof. Suresh Bhargava from RMIT, Melbourne, Australia, 8/2/13
 - A school work shop on Electro analytical techniques (SWET-2013) will be organized by the school from 25/11/13-01/12/13.
 - Ph.D. course work curriculum was updated and choice based credit courses offered
- 70. Plan of action for the next year (attach separate sheet, if required)**
- Shifting to the Permanent Academic block
 - Establishing world class research facilities
 - Establishing International and National collaborations
 - Infrastructure development
 - New programme Integrated MSc BEd will be starting from academic session 2015-2016
- 71. Any other relevant information the institution / University / Department wishes to add.**

1. **Name of the Department** : Commerce
2. **Year of establishment** : 2012
3. **Is the Department part of a School/Faculty of the University?**
Yes School of Commerce & Management
4. **Names of programmes offered**
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.): PG, Ph.D
5. **Interdisciplinary programmes and Departments involved:**
Management, Economics, Culture & Media Studies
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
NA
7. **Details of programmes/courses discontinued, if any, with reasons:**
NA
8. **Examination System:**
Annual/Semester/Trimester/Choice Based Credit System: Semester
9. **Participation of the Department in the courses offered by other Departments.** Yes (Economics, Management, English, Culture & Media Studies
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others) **

Name of the Position	Sanctioned	Filled
Professor	1	1
Associate Professor	2	0
Assistant Professor	4	3

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Prof. R. K. Chandak	Ph. D	Professor	Marketing Management, Consumer Behaviour, General Management, General Business Environment	3	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Neha Seth	Ph. D	Assistant Professor	Finance and General Management	3	
Dr. Ruchita Verma	Ph. D	Assistant Professor	Accounting and Finance, General Management	3	
Dr. Sushila Soriya	Ph. D	Assistant Professor	Finance and General Management	3	
Dr. Jyoti Aggrwal	Ph. D	Assistant Professor	Finance and General Management	6.66	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: NA

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution

13. Percentage of classes taken by temporary faculty – programme-wise information

M.Com: 0.08%

Ph.D. Commerce: Nil

14. Programme-wise Student Teacher Ratio:

M.Com: 6:1

Ph.D. Commerce: 1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :

Nil

Support Staff Positions	Sanctioned	Filled	Actual

16. Research thrust areas as recognized by major funding agencies:

Nil

Sl. No.	Thrust Area	Recognizing Funding Agency/ ies

- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise.**

Nil

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved

- 18. Inter-institutional collaborative projects and associated grants received:**

Nil

Associated Faculty	Collaboration	Collaborator Grants received

- 19 Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**

Nil

- 20. Research facility / centre with **

- state recognition
- national recognition

Yes

- international recognition

- 21. Special research laboratories sponsored by / created by industry or corporate bodies:**

Nil

- 22. Publications:**

- Number of papers published in peer reviewed journals (national / international):35
- Monographs
- Chapters in Books Edited Books: 1
- Books with ISBN with details of publishers

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database –International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- H--index

23. Details of patents and income generated:

NA

Sl. No.	Concerned Faculty	Patent Status	Income Generated

24. Areas of consultancy and income generated:

NA

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

Nil

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Nil

Sl. No.	Concern Faculty	Committee/ Journal	Membership Status

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs):

UGC orientation programs, workshops, FDP

28. Student projects

- Percentage of students who have done in-house projects including interDepartmental projects : 100%
- Percentage of students doing projects in collaboration with other universities / industry / institute. Nil

29. Awards / recognitions received at the National and International level by:

Nil

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conference/ Workshop	Source of Funding	National/ International
1. Jagriti 2013: first Conference on emerging Trends in Commerce and Management	University Funding	National
2. Two-day workshop on entrepreneurship development and business planning: A case study approach	University Funding	National

31. Code of ethics for research followed by the Departments:**32. Student profile course wise:**

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.Com (2012-14)					
M.Com (2013-15)					
M.Com (2014-16)					
Ph.D (2013-14)					
Ph.D (2014-15)					

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.Com (2012-14)	Nil			
M.Com (2013-15)	Nil			
M.Com (2014-16)	Nil			
Ph.D (2013-14)				
Ph.D (2014-15)				

* Data Not available with the Department Now.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

M.Com.

UGC-JRF NET Exam	:	1
UGC- NET Exam	:	4
UPSC- IAS Exam	:	0
CSIR – NET Exam	:	NA

Name of the student	Gender		Category			Competitive Exam Qualified
	Male	Female	General	SC	ST	
Ramkanya Choudhary	1		1			Account Officer

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil	01 (pursuing M.Phil in some other University)
PG to Ph.D	Nil
Ph.D to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> Campus Selection Other than campus recruitment 	02
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	Nil
From other universities within the state	01
From universities from other states	03
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: 02

38. Present details of Departmental infrastructural facilities with regard to

- a) Library: Departmental library is Not there but a centralised library is there

- b) Internet facilities for staff and students : available in Department
- c) Total number of class rooms : 04
- d) Class rooms with ICT facility : 02
- e) Students' laboratories : 01 computer lab
- f) Research laboratories : Nil

39. List of doctoral, postdoctoral students and Research Associates:

Nil

- a) From the host institution/University: --
- b) From other institutions/universities: --

40. Number of post graduate students getting financial assistance from the University. 09

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

M.Com syllabus was revised and improved

42. Does the Department obtain feedback from:

- e. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?
No
- f. Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?
Yes, but never communicated to faculty members
- c. alumni and employers on the programmes offered and how does the Department utilize the feedback?
No

43. List the distinguished alumni of the Department (maximum 10):
Nil

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Departmental Activities:

1. *Special Lecture series on "Investment in Stock Market" By Mrs. Surekha Shroff Mashruwala on 24th October 2013*
2. *Special Lecture on "Stock Market Operations and Derivatives Trading" by Prof. B.L. Gupta on 21st March 2014*
3. *Special Lecture on "E-commerce and cyber security" by Dr A.K. Sharma on 21st March 2014*
4. *M.Com students have introduced a quarterly E-magazine "Comint".*

Inter-Departmental lectures

1. *Lecture on "Culture & consumption" delivered by Prof R. K. Chandak organized by Department of English, Central University of Rajasthan, October, 2013.*
2. *Lecture on "How to write Project Report" by Prof. R.C. Sharma, Dean, School of Commerce and Management on 20th February, 2014.*
3. *Special Lecture on "Role of RBI in Banking and Insurance Sector" delivered by Prof. D.V.S. Sastry, BOI Chair-Professor, 26th March 2014.*

Seminars/Conferences/Workshops Conducted by the Department:

- *National:*
 - A). Workshop on Entrepreneurship Development and Business Planning: A Case Study Approach organised on 30-31 October 2013.
 - B). JAGRITI 2013, Conference on "Emerging Issues in Commerce & Management" organised on November 28, 2013

45. List the teaching methods adopted by the faculty for different programmes.

Case study method
 Class presentations
 Class room debate
 Home assignments

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

Students qualify the exams with flying colours and their placements after passing out from University

47. Highlight the participation of students and faculty in extension activities.

- *Participated in INTERNATIONAL conference on GLOBAL BUSINESS RESEARCH at Udaipur - Pran and Anshuman.*
- *Participated in NATIONAL conference on SUSTAINABLE RURAL DEVELOPMENT IN INDIA at Jaipur - Pankaj.*
- *Dance performance at Convocation programme – Anshuman.*
- *Runners up in Chess tournament – Alok Ranjan.*
- *Runners up in Table Tennis tournament – Anshuman*
- *NCC candidates – Pran and Kamal (C certificate holders)*
- *Poster presentation on Global Warming and Eve Teasing – Pran Anshuman and Nikhil.*
- *Runners up in Carom tournament – Krilesh K*

- *Participated in UNIVERSITY level Cricket tournament (EAST ZONE) – Anshuman.*
- *Alok Singh, Sohail Md. Malik and Suraj Dixit has presented a paper in national conferences.*

48. Give details of “beyond syllabus scholarly activities” of the Department.

Students opt for audit courses from various Departments

Student’s participation in various activities like quiz, debate etc.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details. NA

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied. NA

51. Future plans of the Department.

Department is planning to organize conferences, seminars, workshops, guest lectures in future. We are also planning more educational excursions for students so that they may have more exposure. It is also expected from faculty members to get research projects from various funding agencies.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

- **Strengths:** well qualified faculties from reputed institutions, students re selected purely on the basis of CUCET merit, students are trained for future placements, ICT is used for teaching in class rooms, new teaching methods are always tried and implemented in classroom, educational excursions are arranged from time to time for student’s exposure to outer world
- **Weaknesses:** unavailability of supporting staff in Department, unavailability of Departmental library,
- **Opportunities:** since University is nationally recognised so students and teachers have opportunity to excel beyond boundaries
- **Challenges:** since ours is a developing University so raising funds is a big challenge to organise any event

53. Activities reflecting the goals and objectives of the institution:

Tree plantation, creating awareness for saving water and electricity on campus, various activities like street plays etc are organised by students to create awareness about child education, cleanliness etc.

54. Examination reforms implemented:

Questions papers are modulated in presence of all faculty members in Department for higher quality, evaluated answer sheets are shown to student order to make them aware of their mistakes

- 55. Community services :**
- 56. Unit cost of education :**
- 57. Computerization of administration and the process of admissions and examination results, issue of certificates :**
Yes, these activities are computerised and records are duly maintained
- 58. Activities and support from the Alumni Association :**
NA
- 59. Activities and support from the Parent-Teacher Association :**
Register is maintained in Department to get the suggestions and comments from the parents in order to improve the Departmental working
- 60. Health services:**
a. Centralised dispensary is maintained by the University
- 61. Performance in sports activities :**
Participation by the students in the sports activities organised at University level and national level
- 62. Incentives to outstanding sportspersons:**
Certificates and medals are issued to the deserving sports person
- 63. Activities of the Guidance and Counselling unit:**
Mentorship programme is implemented by Department to discuss and resolve issues of students in Department
- 64. Placement services provided to students :**
Students are motivated to join summer internship after II semester and are also motivated to apply for various competitive exams and jobs by the end of IV semester
- 65. Development programmes for Non-teaching staff :**
NA
- 65. Good practices of the institution:**
Sustainable development
- 66. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year :**
NA
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required) NA**
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required): NA**

70. Plan of action for the next year (attach separate sheet, if required):

Department is planning to organise national level conference, seminars, workshops, guest lectures and education excursion.,

Department is also planning to learn and implement new methods of teaching in the class rooms.,

Faculties would be motivated to obtain research projects from various research funding agencies and to publish good quality research papers.

71. Any other relevant information the institution / University / Department wishes to add. No.

1. **Name of the Department** : Computer Science
2. **Year of Establishment** : 2010
3. **Is the Department part of a School/Faculty of the University:**
School of Maths, Statistics and Computer Sciences.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)** : PG, Ph.D
5. **Interdisciplinary programmes and Departments involved** : Yes
We have interaction with Maths and Computer Science & Engineering Department in the University.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** : Yes
7. **Details of programmes/courses discontinued, if any, with reasons:** NO
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Semester: Choice Based Credit System in all semester
9. **Participation of the Department in the courses offered by other Departments**
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled
Professor	01	00
Associate Professors	02	01
Asst. Professors	04	06
Others		

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Exp.	No. of Ph.D. students guided for the last 4 years
Dr Mamta Rani	Ph.D	Head & Associate Prof	Computer Graphics	14	03
Dr A Nagaraju	Ph.D	Assitant Prof	MANETs & Cloud Computing	13	00
Dr Nista keshwani	Ph.D	Assitant Prof	Wireless Networks	12	00
Gaurav Meena	M.Tech	Assitant Prof	Data Mining	02	
Ravi Raj	M.Tech (Ph.D)	Assistant Prof	Image Processing	05	

Sanjay Kumar Anand	M.Tech	Assitant Prof	NLP	05	
Vinod Kumar	M.Tech	Assitant Prof	Network Security	03	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- Prof. A.K. Nagawat, University of Rajasthan on the Basics & trends of Computer Science.
- Prof. A. S. Gaur, Tagore College, Kota, discussed about the Introduction to Digital Components.
- Dr. Neeraj Bhargava, MDS University, lectured in detail the Formal Language and Automata Theory.
- Prof. R.K. Kamat, ShivajiUniv. Kolhapur, discussed the Architecture of RISC and digital circuits.
- Prof. Manoj Kr. Gupta, from DTU, Delhi delivered few lectures on Prolog and also introduced the students “How to work in Prolog” in a workshop conducted by the Department of Computer Science.
- Mrs. Chhaya Somani, Johnson & Johnson, on the trends and Motivation of Current Industrial scenario.
- Dr. Vishal Garg, IIT, Hyderabad delivered a lecture on Intelligent Buildings.
- Prof. S. C. Jain, Deptt. of CSE RTU Kota delivered lectures on Operating system.
- Mr. Manoj Panda Deptt. of Electronics, Research Associate IIT Roorkee on Neural Network.
- Prof. Rajesh Kumar, Deptt. Of EE, MNIT Jaipur delivered lectures on Evolutionary Algorithm.
- Prof. Manish Srimali, LNMIT Jaipur delivered lectures on Neural Network.

13. Percentage of classes taken by temporary faculty – programme-wise information

14. Programme-wise Student Teacher Ratio : 1: 6.5

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

2 TA

1 LA

16. Research thrust areas as recognized by major funding agencies: NO

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise.

18. Inter-institutional collaborative projects and associated grants received

- a) National collaboration
NO
- b) International collaboration
MoU with California State University San Bernardino. The objective of this MoUs are-
- Study abroad programs for CURAJ students to study at CSUSB for full academic years, one or two academic quarters, or short term;
 - Study abroad programs for CSUSB students to study at CURAJ for full academic years, one or two academic quarters/semesters, or short term
 - Exchange of faculty members for research, lectures, and discussions;
 - Collaborative projects, research, conferences, and workshops
- 19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.**
NO
- 20. Research facility / centre with**
- State recognition
 - National recognition
 - International recognition
- 21. Special research laboratories sponsored by / created by industry or corporate bodies**
No
- 22. Publications:**
- “Analysis and Prediction of future manufacturing requirements of pharmaceutical industry”, Nishtha Kesswani, Mohit Jamer, International Journal of Computer Science & Technology, Vol.4, Issue 1-2, ISSN 0976-8491, www.ijcst.com
 - “Fuzzy Clustering and Fuzzy merging (FCFM): A unique model for document clustering” , Nishtha Kesswani, Vibekananda Dutta, Computer Society of India Journal of Computing, Vol.1, No. 3, 2012, pp.46-50, www.csijournal.org.
 - “ Novel architecture for 3D model in virtual communities from detected face”, Nishtha Kesswani, Vibekananda Dutta, Deepti Gahlot, International Journal of Advanced studies in Computers, Science and Engineering, Volume1, Issue 2, October 2012, ISSN 2278-7917.
 - Unit 1 and 2 of Self Instructional material of Operating Systems II, BCA Part III, Vardhaman Mahaveer Open University, Kota.
 - Unit 14 and 15 of Self Instructional Material of Database Management system, Vardhaman Mahaveer Open University, Kota.

- Editor of the Self Instructional material of Operating Systems II, BCA Part III, Vardhaman Mahaveer Open University, Kota.
- “Novel architecture for 3D model in virtual communities from detected face”, Nishtha Kesswani, Vibekananda Dutta, Deepti Gahlot, International Journal of Advanced studies in Computers, Science and Engineering, Volume1, Issue 2, October 2012, ISSN 2278-7917.
- Mehul Marshi Google Scholar Index is 01
- Globally Recorded binary encoded Domain Compression algorithm in Column Oriented Databases, Global Journals Of Computer Science and Technology inc. US, Volume 11, Issue23, Online ISSN: 0975-4172 Print ISSN: 0975-4350
- Asish Tiwari, A.Nagaraju,Mehul Marshi, An Optimized Scheduling Algorithm for
- Cloud Broker using an Adaptive Cost Model, Published in the Proceedings of 3rd IEEE
- International Advance Computing Conference (IACC-2013), held on February 22-23, 2013, Ghaziabad, India, paper can download from IEEE-Xplore,(2013).
- Devendra Kumar Mahawer, A. Nagaraju, Metamorphic Malware Detection Using Machine Learning Approach, Communicated to InderScience, International Journal of Information and Computer Security.
- Gaurav Pareek, A.Nagaraju, Wormhole-Resilient Monte-Carlo Localization for Mobile Sensor Networks, communicated to InderScience Journal of Wireless Sensor Networks (WSN).
- A.Nagaraju, Rajkumar, A.Rajesh, Eigen Thrust Based Chord Protocol for Peer-to-Peer Networks, communicated to Computer Society of India Journal Cloud Computing.
- E.Rama Krishna, A.Nagaraju, Topology Control in Wireless Sensor Network using Bary centric Coordinates method, Accepted to publish Wireless Sensor Network Scientific research, (2012).
- E.Rama Krishna, A.Nagaraju, Predicting the Diabetic Risk factors using Fuzzy Measuring Theory based Multi Object Optimization Techniques, Accepted to publish in International Journal of Engineering Research and Applications (IJERA), (2012).
- Sravya V,A.Nagaraju,K.Pavani, Performance Evaluation of IEEE 802.11 with DSDV, DSR, AODV Routing Protocols in MANETs, International Journal of Engineering and Science, Vol. 2, Issue 1,(2013).
- Ashish, Mamta Rani, and Renu Chug, Study of cubic Julia sets in NO, Int. J. of Computational Science, Engineering & Technology 1(1), 2013, 13-17.

- Mamta Rani, and Rashi Agarwal, General Noise-perturbed superior Julia sets, *J. Comput. Nonlinear Dynam.* 8(2), 2013 (4 pages). doi:10.1115/1.4006785
- Renu Chug, Mamta Rani, Ashish Kumar, Logistic map in Noor orbit, *Chaos and Complexity Letters*, 6(3), 2012, 167-175.
- Mamta Rani, Riaz UI Haq, and Norrozila Sulaiman, New Koch curves and their classification, *Chaos and Complexity Letters*, 6(3), 2012, 147-153.
- Renu Chug, Mamta Rani, Ashish Kumar, On the convergence of logistic map in Noor orbit, *Int. J. Computer Applications*, 43(18), 2012, 1-4.
- Vinod Kumar, Dr. Om Prakash Sangwan, "Signature Based Intrusion Detection System Using SNort", *International Journal of Computer Applications & Information Technology (IJCAIT)*, October, 2012. .
- Vinod Kumar, Dr. Om Prakash Sangwan, "Development and Assessment of Intrusion Detection System Using Machine Learning Algorithm", *International Conference on Issues and Challenges in Networking, Intelligence and Computing Technologies (ICNICT)*, September, 2012.
- Saxena Pratiksha, Vinod Kumar, Vinay Pathak, "Programming Technique For Animal Diet Formulation: A Non-Linear Approach", in proceeding of International conference on Advances in Modeling, Optimization and Computing, IIT Roorkee, India, December 5-7th, pp. 1283-1287, 2011.
- Saxena Pratiksha, Vinod Kumar, Vinay Pathak, "Programming Technique For Animal Diet Formulation: A Non-Linear Approach", *International Journal of Food Science and Nutrition Engineering*, p-ISSN: 2166-5168 e-ISSN: 2166-5192, 2012.
- Saxena Pratiksha, Vinod Kumar, Vinay Pathak," Animal Feed Formulation Using Non-Linear Programming and MATLAB", *Open Access Scientific Reports*, vol. 1, issue 7, September 27, 2012.
- Vinod Kumar, Vinay Pathak, Dr. Om Prakash Sangwan,"Evaluation of Buffer Overflow and NIDPS", *International Journal on Computer Science and Emerging Trends (IJCSET)*, August issue, 2012.
- Vinod Kumar, Dr. Om Prakash Sangwan, "Development and Assessment of Intrusion Detection System Using Machine Learning Algorithm", *International Journal Of Computer Applications (IJCA)*, ISBN: 9733-80870-63-5,September, 2012.
- Devendra Kumar Mahawer, A. Nagaraju, Metamorphic Malware Detection By Support Vector Machine with Histogram Intersection Kernel, (Accepted to) *Proceedings of publish IEEE 2013 TENCON-SPRING*,(2013).
- Asish Tiwari, A.Nagaraju,Mehul Marshi, An Optimized Scheduling Algorithm for Cloud Broker using an Adaptive Cost Model ,(Appeared

in) Proceedings of 3rd IEEE International Advance Computing Conference (IACC-2013), held on February 22-23, 2013, Ghaziabad, India, paper can download from IEEE-Xplore, (2013).

- Rajkumar, A. Nagaraju, Rajesh A, T-Chord, Thrust based Chord protocol for peer-to-peer networks, (Appeared in) Proceedings of International conference ACC-2012 sponsored by CSI, The proceedings published by University Press, (2012).
 - Number of papers published in peer reviewed journals (national / international)
 - Monographs
 - Chapters in Books
 - Edited Books
 - Books with ISBN with details of publishers
 - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - Citation Index – range / average
 - SNIP
 - SJR
 - Impact Factor – range / average
 - H-index
- Shown in Apendix : A

23. Details of patents and income generated : NO

24. Areas of consultancy and income generated : NO

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

28. Student projects

- percentage of students who have done inhouse projects including interDepartmental projects
05/20 = 25%
- percentage of students doing projects in collaboration with other universities / industry / institute 75%

S. No.	Name of the Student	Internship	Guide's Name
1	Sudhanshu Maurya	NIT, Surat	Rupa Mehta, COED, SVNIT, Surat
2	Rajesh Sahu	NIT, Surat	Dipti P. Rana

S. No.	Name of the Student	Internship	Guide's Name
3	Vikas Kumar Nayak	Kota University	Mr. Krishna Sharma, University of Kota
4	Hewali Chabukdhara	Rajiv Gandhi University, Doimukh	Dr. Utpal Bhattacharjee
5	Chandra Shekhar Jangid	MNIT, Jaipur	Dr. Namita Mittal
6	Farah Nasir	CURAJ	Mr. Vikas Sihag
7	Abhishek Kumar	CURAJ	Dr. A. Nagaraju
8	Sandeep Sharma	CURAJ	Sanjay Kumar Anand
9	Vikram Singh Slathia	CURAJ	Mehul Mahrishi
10	Hemant Kumar	Life-Up Software Pack Ltd.	Mr. Sanjay Bagar
11	Gopal Lal Verma	Life-Up Software Pack Ltd.	Mr. Sanjay Bagar
12	Poonam Ahuja	Kota University	Mr. Krishna Sharma, University of Kota
13	Naresh	Life-Up Software Pack Ltd.	Mr. Sanjay Bagar
14	Komal Jodhani	Imperial Tutorials	Mr. Shatrunjay Dhupia
15	Urmila Choudhary	Imperial Tutorials	Mr. Shatrunjay Dhupia
16	Mohammad Aslam	MNIT, Jaipur	Dr. Mushtaq Ahmed
17	Gaurav Mittal	CURAJ	Dr. Nishtha Kesswani
18	Sumit Kumar	IIITM (Gwalior)	Mr. Satish Kumar
19	Jeetendra Singh Deshwal	IIITM (Gwalior)	Mr. Satish Kumar

29. Awards / recognitions received at the National and International level by

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- Remote Center to IITB to organize the Workshops funded by MHRD-NMEICT-IITB.
- Department of Computer Science organized workshop on “Mobile Controlled Robotics” on 31st August 2013
- Specialized Workshop on AI Research Directions (SWARDS 2012)” was organized in collaboration with Department of Computer Science & Engineering. The Invited lectures were by-Ravi Prakash Gorthi, Ph D, Professor of Computer Science and Engineering, LNM-IIT, Jaipur and Dr. Lokendra Shastri, AVP & GM – Research, Infosys Labs,

Head, Centre for Knowledge Driven, Information Systems, Infosys Limited.

31. Code of ethics for research followed by the Departments

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
Integrated M.Sc(AI)					
M.Sc(AI) 2012-14 Batch					
M.Sc(AI) 2013-15 Batch					

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

NO

35. Student progression

Student progression	Percentage against enrolled
UG to PG	00
PG to M.Phil	00
PG to Ph.D	02
Ph.D to Post-Doctoral	00
Employed	05
<ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	
Entrepreneurs	
Preparing for heigher studies	09

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	00
From other universities within the state	02
From universities from other states	02
From universities outside the country	00

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

38. Present details of Departmental infrastructural facilities with regard to

- a) Library
- b) Internet facilities for staff and students 1:1
- c) Total number of class rooms 02
- d) Class rooms with ICT facility
- e) Students' laboratories 01
- f) Research laboratories 01

39. List of doctoral, postdoctoral students and Research Associates

- a) from the host institution/University
Anju Yadav Ph.d in Computer Science
- b) from other institutions/universities

40. Number of post graduate students getting financial assistance from the University.

06 (Merit Scholar ship)

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

42. Does the Department obtain feedback from

- a. faculty on curriculum as well as teaching learning evaluation? If yes, how does the Department utilize the feedback?
- b. students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?
- c. alumni and employers on the programmes offered and how does the Department utilize the feedback?

43. List the distinguished alumni of the Department (maximum 10)

S. No.	Enrollment No.	Name	Working Details
1	10MSCS003	Yadav Bharti	Preparation for Public Sector Exams
2	10MSCS004	Dinesh Kumar Sharma	Electric Bill Coordinator at Indus.private Limited
3	10MSCS006	Farooq Ahmad Bhat	Lecturer(Contractual) in Govt. Boys Senior Secondary School Baramulla
4	10MSCS007	Hari Narayan Patidar	Preparation for Public Sector Exams
5	10MSCS010	Mohit Jamer	Executive (IT) at R K Marble
6	10MSCS011	Monika Jyotiyana	Cleared UGC-NET

S. No.	Enrollment No.	Name	Working Details
7	10MSCS013	Narendra Singh	Preparation for Public Sector Exams
8	10MSCS014	Piyush Morwal	Cleared NET JRF and pursuing Phd Got job in RPSC, Ajmer
9	10MSCS015	Raj Kumar Tripathi	Preparation for Public Sector Exams
10	10MSCS018	Shelendra Kumar Jain	Preparation for NET JRF
11	10MSCS019	Tarun Sharma	Got job in RPSC, Ajmer
12	10MSCS020	Vibekananda Dutta	Pursuing Phd from Abroad

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Fuzzy Logic

45. List the teaching methods adopted by the faculty for different programmes.

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

47. Highlight the participation of students and faculty in extension activities.

48. Give details of “beyond syllabus scholarly activities” of the Department.

Motivating the students to do projects like IBM TGMC.

Encouraging students to participate in paper presentation events.

Encouraging students to participate the project work in various organizations.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

50. Briefly highlight the contributions of the Department in generating new knowledge, basic or applied.

51. Future plans of the Department.

Get the research funding from DST / UGC

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

53. Activities reflecting the goals and objectives of the institution

54. Examination reforms implemented

55. Community services

56. Unit cost of education

- 57. Computerization of administration and the process of admissions and examination results, issue of certificates**
- 58. Activities and support from the Alumni Association**
- 59. Activities and support from the Parent-Teacher Association**
- 60. Health services**

Regular Staff will get the medical benefits as per GOI.

 - 1) 24 hour medical/emergency services available.
 - 2) Well equipped vehicle to combat any emergency referral.
 - 3) Up to date stock of medicines, to deal with any emergency. 4
 - 4) Student counselling available, to help cope up with the studies, stress and other personal issues.
 - 5) Medically important days/awareness programmes conducted on regular basis.
 - 6) Co-ordinating in camps, to spread awareness regarding health among the nearby rural population.
 - 7) Mess committee member and advisor for health and hygiene.
 - 8) Free treatment given to all Labour class working on Campus
- 61. Performance in sports activities**
- 62. Incentives to outstanding sportspersons**
- 63. Activities of the Guidance and Counselling unit**
- 64. Placement services provided to students**
- 65. Development programmes for Non-teaching staff**
- 66. Good practices of the institution**
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year :**
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)**
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required)**
- 70. Plan of action for the next year (attach separate sheet, if required)**
- 71. Any other relevant information the institution / University / Department wishes to add.**

1. **Name of the Department** - Culture and Media Studies
2. **Year of establishment** - 2011
3. **Is the Department part of a School/Faculty of the University?**
Yes, it comes under the School of Social Sciences.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)** - PG & Ph.D
5. **Interdisciplinary programmes and Departments involved –**
Students from Dept of Social Work, English, Economics, Hindi, Commerce and Management take the following papers from our Department:

Sl. No	Name of the Dept.	Paper taken from CMS Department	No. of Students	Year
1	Social Work	Introduction to Cultural Studies	20	2012
		Folklore and Oral Traditions	20	2013
2	English	Photography and Video Production	05	2011
			09	2012
		Introduction to Media and Cultural Studies Research	02	2013
		Dissertation	02	2014
3	Hindi	Understanding Rajasthan	08	2013
4	Commerce	Aesthetics and Appreciation: Film	02	2013
		Journalism: Theory and Concept	04	2014
5	Economics	Basics of Photography	01	2013
		Video Production	01	2013
6	Management	Journalism: Theory and Concept	01	2014

6. **Courses in collaboration with other universities, industries, foreign institutions, etc – Nil**
7. **Details of programmes/courses discontinued, if any, with reasons – Nil**
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System – Semester System along with Choice Based Credit System.**
9. **Participation of the Department in the courses offered by other Departments –** Students of our Department have opted for the following papers from other Departments:
 - a) MAEN 206 – Writing and Editing for Media (Dept of English)
 - b) MAEN 203 – Aesthetics and Appreciation: Film (Dept of English)
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled
Professor	01	01 (temp)
Associate Professors	02	00
Asst. Professors	04	04
Others		02(temp)**

** 2 Temporary Assistant Professors in place of 2 Associate Professor.

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Ravi Chaturvedi	M.A (History) Ph.D (Fine Arts) Diploma in theatre from National School of Drama	Professor	Classical and Modern Indian Theatre, Indian Cinema, Film Making	35	03
Pranta Pratik Patnaik	M.A. (Sociology) from JNU(Delhi); M.Phil (Sociology of Media)from Delhi University	Asst. Professor	Cultural rights and Media Practices; Gender studies; Research Methodologies	06	Nil
Junali Deka	M.A. (Mass Communication) from Assam University. P.G.Diploma in M.Comm & Journalism	Asst. Professor	New Media, Broadcasting, Documentary Production	04	Nil
Dr. Nicholas Lakra	Ph.D. Journalism and Mass Communication (BHU) Master of Journalism (M.J.), Makhanlal Chaturvedi Rashtriya Patrakarita Vishwavidyalaya, Bhopal,UGC-NET: Mass Communication and Journalism	Asst. Professor	Cultural Communication, Communication representation, Print Journalism, IndigeNous people and culture, Indian society and politics, Research methodology: Content analysis	02	02
Dr. Neeru	PhD, UGC-	Asst.	Cyber	04	02

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Prasad	NET, Master of Mass Communication, PGD in Media Writing.	Professor	Journalism, Advertising and Public Relations, Media Studies, Print Media, Layout and Designing		
Dr. Ghanshyam Beniwal	Ph.D (Dramatics), UGC (NET), Masters in Public Administration, Masters in Dramatics, P.G. Diploma in Dramatics.	Asst. Professor	History of Rajasthan, Documentary & Film Making, Modern Indian Theatre, Folk Theatre of Rajasthan, Actor Training, Light & Set Designing (Auditorium).	07	Nil
Dr. Rayaz Hassan	Ph.D. (Theatre), Master of Political Science, P. G. Diploma in Film Production from Toronto Canada, P. G. Diploma in Theatre from University of Rajasthan, Bachelor of Science (Biology).	Asst. Professor	Film Making (Direction, Cinematography, Editing, Screenplay writing (both for Narrative Fictions and Documentaries) Acting, World and Indian Cinema - History and Development. Theatre Production Process. Pictorial Photography.	13	04

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors.

S. No	Name of the Faculty	Designation	University / Organisation / Institute
1	Prof. Anjali Monterio	Dean & Head	School of Culture & Media Studies T.I.S.S. (Mumbai)
2	Prof. K.P.Jayasankar	Chairperson	Centre for Critical Media Praxis, T.I.S.S. (Mumbai)

S. No	Name of the Faculty	Designation	University / Organisation / Institute
3	Prof. Nina Sabnani	Professor	Industrial Design Centre, I.I.T. Bombay (Mumbai)
4	Ramesh MeNon	Faculty	School of Mass Communications, Symbiosis Institute of Management (Pune)
5	Nandan Saxena	Independent Film-maker	Top Quark Films Ltd. (Noida, UP)
6	Kavita Bahl	Independent Film-maker	Top Quark Films Ltd. (Noida, UP)
7	Prof. Y. Sudhakar Reddy	Professor	Centre for Folklore Studies, Central University of Hyderabad
8	Suresh Rajamani	Independent Senior Professional Sound Recordist	F.T.I.I. (Pune)
9	(Late) Prof. Rajurkar	Professor	Rajasthan University, Jaipur
10	Prof. Varsha Joshi	Associate Professor	Department of Anthropology, LuckNow University.
11	Prof. Rima Hooja	Professor	Department of History, Rajasthan University (Jaipur)
12	Dr. Rayaz Hasan	Associate Professor	Mahatma Gandhi Antarashtriya Vishwavidyalaya, Wardha (Mah.)
13	Prof. Sanjeev Bhanawat	Head	Centre for Mass Communication, University of Rajasthan (Jaipur)
14	Ram Saran Joshi	Professor	Makhanlal Chaturvedi Antarashtriya Vishwavidyalaya Sansthan (Bhopal)
15	Prof. Kevin Murray	Professor	MIT University, Australia
16	Prof. Bob Gliner	Professor	USA
17	Prof. Vinod Pavrala	Professor	University of Hyderabad
18	Shri Narendra Gupta	Actor	Mumbai
19	Shri Suneel Sinha	Actor	Mumbai
20	Dr.Rabindranath Manakonda	Dean & Head	Centre for Mass Communication and Journalism, Central University of Himachal Pradesh
21	Shri Sunny Sebastian	Vice-Chancellor	Haridev Joshi University of Journalism and Mass Communication, Jaipur
22	Dr. Rajan Mahan	Head	Dept. of Journalism & Mass Communication, Haridev Joshi University, Jaipur.
23	Mr. Sadanand MeNon	Art Critic	Asian Institute of Communication, Chennai.
24	Prof. Sreenath Nair	Professor	Lincoln University, UK
25	Dr. Devendra Sharma	Faculty	Department of Communication, California State University.

S. No	Name of the Faculty	Designation	University / Organisation / Institute
26	Prof. David Whitton	Professor	University of Lancaster
27	Justyna Janiszewska-Krukowska		Poland
28	Svetlana Ryzhakova		Institute of EthNology and Anthropology, Russian Academy of Sciences.
29	Zena Merton	Documentary Maker	LCC, University of Arts, London.

13. Percentage of classes taken by temporary faculty – programme-wise information

S.No	Name of Faculty	P.G/Ph.D	No. of classes in a week	Percentage
1	Dr. Ghanshyam Beniwal	P.G	14	25%
2	Dr. Rayaz Hassan	P.G	14	25%

14. Programme-wise Student Teacher Ratio :

S.No	Course	No. of Students	No. of faculty	Ratio
1	P.G.	20	07	3:1
2	Ph.D	04	02	2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual :

S.No	Staff	Sanctioned	Filled	Actual
1	Technical/Academic	01	00	00
2	Administrative	01	00	00

16. Research thrust areas as recognized by major funding agencies:
NIL

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.

Sl.No	Name of Faculty with ongoing project title	Funding Agency	Total grants received/approved
1	Ms.Junali Deka (P.I) Project Title – WASH Future in Ajmer District: Culture and Media in Development. Techniques for Interpretative Capacity Building.	National (Department of Science and Technology, (DST), Govt. of India.	Rs. 24,40,000

- 18. Inter-institutional collaborative projects and associated grants received**
- a) National collaboration -- NIL
- b) International collaboration --NIL
- 19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. --NIL**
- 20. Research facility / centre with**
- State recognition -- NIL
 - National recognition -- NIL
 - International recognition -- NIL
- 21. Special research laboratories sponsored by / created by industry or corporate bodies --NIL**
- 22. Publications:**
- Number of papers published in peer reviewed journals (national / international)
 - Monographs
 - Chapters in Books
 - Edited Books
 - Books with ISBN with details of publishers
 - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - Citation Index – range / average –N/A
 - SNIP – N/A
 - SJR – N/A
 - Impact Factor – range / average –N/A
 - H-index – N/A

Faculty	Papers Published	Chapters in Book	Edited/Authoried Book(with ISBN Number)
Pranta Pratik Patnaik	04	03	01 (ISBN -9783659214943)
Junali Deka	02	01	-
Dr. Nicholas Lakra	02	-	-
Dr. Neeru Prasad	03	-	-
Dr. Rayaz Hassan	-	-	01 (ISBN -0789381952245)

- 23. Details of patents and income generated -NIL**
- 24. Areas of consultancy and income generated - NIL**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:

S.No.	Faculty	National	International
1.	Pranta Pratik Patnaik	<ul style="list-style-type: none"> Centre for Culture, Media & Governance Jamia Millia Islamia, New Delhi (2014) Indian Sociological Society, Kerala & New Delhi (2011) Jawaharlal Nehru University, New Delhi (2013) Dept. of Sociology, University of Pune (2014) 	<ul style="list-style-type: none"> International Sociological Association, Yokohama Japan (2014) Global Educational Research Association, Kathmandu Nepal (2013)
2.	Junali Deka	<ul style="list-style-type: none"> Indian Society for Theatre Research, Mumbai (2015) Amity University, LuckNow (2013) Forum on Contemporary Theory, IIS University, Jaipur (2011) S.S.Jain Subodh P.G. (Autonomous) College, Jaipur (2014) 	
3.	Dr. Nicholas Lakra	<ul style="list-style-type: none"> Iswar Saran Degree College, University of Allahabad (2014) Dept. of English, University of Rajasthan, Jaipur (2014) DBS (PG) College, Dehradun, Uttarakhand (2015) 	
4.	Dr. Neeru Prasad	<ul style="list-style-type: none"> Iswar Saran Degree College, University of Allahabad (2014) Dept. of Mass Communication and Journalism, University of Rajasthan, Jaipur (2014) 	
5.	Dr. Ghanshyam Beniwal	<ul style="list-style-type: none"> Indian Society for Theatre Research, Mumbai (2015) 	
6.	Dr. Rayaz Hassan	<ul style="list-style-type: none"> School of Journalism and Mass Communication, Manipal University, Jaipur (2015) Dept of Theatre and Film Studies, Mahatma Gandhi Antarashtraya Vishwavidyalaya, Wardha, Maharashtra. (and also in their Allahabad campus) – (2014) 	

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Sl.No	Faculty	Committee/Editorial Board	Membership Status
1	Pranta Pratik Patnaik	Journal of South Asian Studies	Peer-Review Editor
		Society for Social Research	Life Member
		Visual Sociology Group, International Sociological Association	Life Member
		Communication and Society, Indian Sociological Society	Life Member
2	Junali Deka	International Association for Media and Communication Research (IAMCR)	Individual Member
		International Federation for Theatre Research (IFTR)	Individual Member
		Shakespeare Society for Eastern India	Individual Member
3	Dr. Ghanshyam Beniwal	Indian Society for Theatre Research (ISTR)	Life Member
4	Dr. Rayaz Hassan	Indian Society for Theatre Research (ISTR)	Life Member

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

S. No.	Faculty	Orientation/Refresher Course/Workshop	Venue
1	Junali Deka	Orientation Programme	UGC Academic Staff College, Gauhati University, Assam
		Workshop on Professional Development Programme on Science Communication through Mass Media	Dept. of Mass Communication and Journalism, Tezpur University.
2	Dr. Nicholas Lakra	Orientation Programme	UGC-Human Resource Development Centre, Ranchi University, Ranchi
3	Dr. Neeru Prasad	Refresher Course in Research Methodology in Social Sciences (Mass Communication)	UGC Academic Staff College, Aligarh Muslim University, Aligarh
4	Pranta Pratik Patnaik	Workshop on Ethnography and Social Identities	Tata Institute of Social Sciences (TISS) Mumbai.
		Workshop on Teaching Media Policy and Law	Central University of Rajasthan

28. Student projects

- Percentage of students who have done in-house projects including interDepartmental projects – All students are required to write their M.A. dissertation and make documentary production as part of their project in their fourth semester.
- Percentage of students doing projects in collaboration with other universities / industry / institute – Students have done their internship in organisations in Mumbai, Delhi, Assam and Gujarat.

29. Awards / recognitions received at the National and International level by**Faculty –**

- Prof. Ravi Chaturvedi has received the Rajasthan Sangeet Natak Akademi Award in September 2013.
- Dr. Rayaz Hassan has received the Best Film Award for his film 'Mukammal' in the Pink City International Film Festival, Jaipur.
- Doctoral / post doctoral fellows - NIL

Students -

- Mr. Mahesh Kumar Meena (Ph.D Scholar) has received the Rajiv Gandhi National Fellowship by the Ministry of Tribal Affairs, Govt. of India in 2013.
- Mr. Akshat Vashistha (Batch 2012-14), M.A. student got the Best Documentary Award in the Pink City International Film Festival, Jaipur.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl. No	Seminar/Conference/ Workshop/Symposium	Source of Funding	National /International	Outstanding Participants
1.	Workshop on Teaching Public Policy, Media and Law (in collaboration with CCMG, Jamia Millia Islamia); 1-2 November,2012.	CURAJ CCMG, Jamia Millia Islamia	National	Prof. Kuldeep Mathur Prof. Biswajit Das
2.	Workshop on Sustainability of Craft and Design; 29-30 November, 2012.	CURAJ	National	Prof. Kevin Murray (Australia)
3.	One week Anchoring Workshop; 3-8 October, 2013.	CURAJ	National	-
4.	Two Week Acting Workshop; 27 th Jan – 10 th Feb, 2014	CURAJ	National	-

5.	One Day Symposium on Media in Higher education and Industry Demand; 24 th October, 2013.	CURAJ	National	Sh.H.K.Dua Prof. T.K.Thomas Prof. Ram Saran Joshi Mr. Rohit Parihar
6.	Conference on Interdisciplinary Negotiations in Performing Arts: Indo-Global Praxis; 8 – 11 January, 2014.	CURAJ ISTR	International	Prof. David Whitton Prof. Sreenath Nair

31. Code of ethics for research followed by the Departments:

Code of ethics in research is properly followed by the Department. Students are encouraged to avoid plagiarism while writing their M.A. dissertation in the fourth semester. The University has procured anti-plagiarism software (iThenticate), which is used by the concerned supervisor before the student submits the dissertation.

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage
		M	F	
P.G.				
2011-13 batch	12	06	25%	66%
2012 – 14 batch	07	06	85%	100%
2013 – 15 batch	04	05	100%	100%
2014 – 16 batch	04	05	N/A	N/A
Ph.D				
2013 batch	02	00	N/A	N/A
2014 batch	01	01	N/A	N/A

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
P.G.				
2011-13 batch	N/A	83%	17%	-
2012-14 batch	N/A	76%	15%	8%
2013-15 batch	N/A	11%	89%	-
2014-16 batch	N/A	56%	33%	11%

Ph.D				
2013 batch	50%	-	50%	-
2014 batch	50%	-	50%	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category wise.

S No	Name of Student	Gender	Category	Competitive Exam Qualified
1.	Mahesh Kumar Meena	Male	ST	UGC-NET
2.	Geeta Shahu	Female	OBC	UGC-NET

35. Student progression

Student progression	Percentage against enrolled
UG to PG	N/A
PG to M.Phil	N/A
PG to Ph.D	11% (2011 batch)
Ph.D to Post-Doctoral	N/A
Employed	
• Campus Selection	
• Other than campus recruitment	33% (2011 batch) 38% (2012 batch)
Entrepreneurs	30% (2012 batch) 44% (2013 batch)

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	Nil
From other universities within the state	03
From universities from other states	04
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period --- NIL

38. Present details of Departmental infrastructural facilities with regard to

- Library – The Department does Not have a library of its own but the Central Library of the University has many updated books, periodicals and journals related to the discipline.
- Internet facilities for staff and students – The University campus is a wi-fi campus. Apart from that it provides internet connection through LAN.

- c) Total number of class rooms ---- 02
- d) Class rooms with ICT facility ---- 02
- e) Students' laboratories ---- 01 (Media Lab)
- f) Research laboratories ---- 00

39. List of doctoral, postdoctoral students and Research Associates

- a) from the host institution/University --- 2 Ph.D Students (1 male; 1 female)
- b) from other institutions/universities --- 2 Ph.D Students (2 males)

40. Number of post graduate students getting financial assistance from the University.

The first three topper students in the merit list from each Semester are getting Rs 1000/- per month from the University. So total 6 scholarships (6 P.G. students from two semesters) are provided to the post graduate students.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Keeping in view of archiving the cultural richness of the region through media practices, and to train the students through direct exposure/on hand training of media equipment, the University began the M.A. Programme in Culture and Media Studies. A brain storming session was organized by the University involving faculty members from TISS (Mumbai), Dept. of Journalism and Mass Communication (University of Rajasthan) and Indian Institute of Mass Communication (New Delhi). The media practitioners were also invited in the session. The syllabus is prepared by the committee of experts and it is sent to more experts/subject teachers in other universities for comments and suggestions. Their suggestions are incorporated by the committee and then placed before the Academic Council for approval.

42. Does the Department obtain feedback from

- a. faculty on curriculum as well as teaching learning evaluation? If yes, how does the Department utilize the feedback?

After two years of teaching the framed syllabus, the faculty members evaluated the course, updated the topics and readings in the curriculum and suggested changes in the papers, introduced new elective papers in 2013. This was passed by the Board of Studies and Academic Council, which was subsequently approved by the Executive Council.

- b. students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?

The Department regularly takes the feedback of the students on the curriculum. The University has a student feedback system where the students evaluate the teaching staff and their feedback is sent to the

concerned faculty member. In 2012, the students wanted Dissertation to be an optional paper in their 3rd and 4th Semester. This was taken into consideration by the faculty when they revised the syllabus in 2013.

- c. alumni and employers on the programmes offered and how does the Department utilize the feedback? No

43. List the distinguished alumni of the Department (maximum 10) --- N/A

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

S No	Special Lecture/ Workshop/Seminar	Area of Specialization/Topic	Resource Person
1.	Workshop (in collaboration with CCMG, Jamia Millia Islamia) ; 1-2 November,2012.	Teaching Public Policy, Media and Law.	Prof. Biswajit Das, Director, CCMG, Jamia Millia Islamia, New Delhi
2.	Workshop on Sustainability of Craft and Design	Sustainability of Craft and Design	Prof. Kevin Murray, RMIT University, Australia.
3.	Special Lecture on Video Production and Documentary Making	Basics of Documentary, Video Production	Prof. Anjali Monterio & Prof. K.P. Jayasankar, TISS (Mumbai)
4.	Special Lecture on Media ethics and Law	Ethics of Media Practices and Legal Aspects	Prof. Sanjeev Bhanawat, University of Rajasthan, Jaipur
5.	Practical Training on Sound Recording	Basics of Sound Recording	Mr. Suresh Rajamani
6.	Practical Training on Documentary Production	Pre-production, Production and Post-Production of Documentary	Prof. Bob Gliner, USA.
7.	Lecture on Folklore and Oral Traditions in India	Archiving the Folk Culture in Rajasthan	Prof.Nina Sabnani IIT, Bombay

45. List the teaching methods adopted by the faculty for different programmes.

- Class room teaching with application of ICT tools
- Use of Audio-Visual teaching aid like films, videos, documentaries etc.
- Student- Teacher interaction sessions
- Student Seminar presentations
- Written assignments for students
- Educational tours

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Learning outcomes of students are monitored after each exam, where the result is evaluated and slow learners and advance learners are identified. Consequently slow learners are provided with extra classes to bridge the gap between them and advance learners.
- In regular Departmental meetings the subject coverage and topic completion progress is ensured.
- The question papers are moderated by all the faculty members.
- As per the University guidelines, student advisors from the faculty members are allotted to each student who guide/mentor the student.

47. Highlight the participation of students and faculty in extension activities.

- Participation in National and International Conferences by the students and faculty.
- Publication by the faculty in reputed journals

48. Give details of “beyond syllabus scholarly activities” of the Department.

- The Department has a photography club ‘Shuttergraphy’ which organizes Media Fest and celebrates World Photography Day.
- The Department runs a monthly lab journal ‘In & Around’, where the students and faculty work together in collecting stories and writing articles about various issues in and around the campus.
- Students also participate in NSS activities, cultural events in the University.
- During election in 2014, students went to the neighbouring villages (Mundoti and Bandarsindri) to create awareness among the villagers about their right to vote.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details. --- N/A**50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied. --- N/A****51. Future plans of the Department.**

- The Department plans to sign MoU with University of Hyderabad and NFDC (National Film Development Corporation)
- Documentary production by faculties on social issues.
- Opening up a resource centre for Science and Communication.
- Organising Film Festivals showcasing the films and documentaries made by the students.
- Publication of a Departmental Journal.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.**Strengths**

- Media Lab
- Smart Interactive Classroom
- Distinguished visiting faculties
- Field exposure to students
- Interdisciplinary approach to understand cultural and media practices.

Weaknesses

- Lack of a separate computer lab for practical exercises
- No sound proof media studio for Departmental production

Opportunities

- Employment opportunities for students in media production houses.
- Availability of choice for students to work in print media as well.
- Opportunity to showcase the film-making talent of students in National and International film festivals.

Challenges

- To stand apart from the regular journalism and mass communication Departments in other universities.
- To mobilise large number of good students to take up this course.
- To train the minds of the younger generation about the ethics of journalism.

53. Activities reflecting the goals and objectives of the institution.

The motto of the University is "Education for Sustainable Development" As such courses/curricula of the Department were planned accordingly. The Department has also conducted a workshop on Sustainability of Craft and Design in relation to the local handicrafts of Rajasthan. Students are encouraged to make documentaries on topics related to sustainable development.

54. Examination reforms implemented.

1. Moderation of Question Paper, which is uploaded on the University website after examination.
2. Question Paper is made taking into consideration the slow and advanced learners. It comprises of short answered and long answered questions.
3. Answer sheets are evaluated and shown to students.
4. M.A. Dissertations and Documentary Production are evaluated in terms of Content, presentations and Viva voce by external experts.

55. Community services

The Department of Culture and Media Studies has extended its pedagogical methods beyond the University campus into the nearby villages. The students were exposed to the arena of community services through various kinds of projects that they undertook in their course work under the guidance of the faculty members and visiting faculties.

In the first semester in 2011, students made their first educational trip to Tilonia village with Mr. Ramesh MeNon (adjunct Faculty, Symbiosis Institute of Management, Pune). They had a first - hand experience of the village model where they gained kNowledge about sustainable development and self-sufficiency. They documented the profile of the people over there, wrote a story about them as a part of their course on Writing Skills for Journalism.

The Department is planning to experiment with various other community services activities with the junior batch as well in the near future. The students are sensitised about the issues and problems of the nearby villages and how they can contribute through their small effort, with the help of media, in bringing about changes in their lives.

56. Unit cost of education --- N/A**57. Computerization of administration and the process of admissions and examination results, issue of certificates**

The admissions are made as per the University guidelines. Similarly, examination results and certificated are issued by the Controller of Examinations of the University.

58. Activities and support from the Alumni Association - N/A**59. Activities and support from the Parent-Teacher Association**

The Department has held two successful meeting of Parents and Teachers, where the parents interact about the future perspective of the course and what kind of changes they would like to incorporate in the curriculum. The Parent Feedback Form is filled up by them during the admission of their ward as well as in these Parent-Teacher meetings.

60. Health services

The University has a Health Centre with qualified doctor and other supporting Staff. The University provides cashless health facility/health insurance where the students can also take treatment from other registered government hospitals of Kishangarh and Ajmer

61. Performance in sports activities – Students have participated in various sports competition and have won prizes as well.**62. Incentives to outstanding sportspersons ---**

As per the University guidelines, The University Sports Committee and DSW recommend the awards/prizes to students showing participation/outstanding performance in sports and games.

Outstanding students in sports get admission in courses of the University above the allotted seats for that programme.

63. Activities of the Guidance and Counselling unit :

The Department provides counselling and career guidance at the time of admission and one faculty is in-charge for placement of fourth semester students. There is a Career Counselling Cell of the University which organises the career fest/ Industry-Academia Meet in the University.

64. Placement services provided to students ---

The following students (First batch - 2011-13) of the Department of Culture and Media Studies, did their Summer Internship in 2012 under different organisations in India.

Scholar's Register No	Name Of The Student	Organisation	Place
2011MACMS001	Arpit Kabra	Anhad (NGO)	Ahmedabad
2011MACMS002	Geeta Shahu	Thinkers Communication	Jaipur
2011MACMS003	Jenul Aabid	Dainik Bhaskar	Kishangarh
2011MACMS007	Mahesh Kr Meena	Thinkers Communication	Jaipur
2011MACMS008	Mishri Lal Jat	TV 9	Mumbai
2011MACMS010	Nidhi Giri	Dainik Bhaskar	Ajmer
2011MACMS012	Rohini Joshi	Carat Media Service	Gurgaon
2011MACMS013	Sanjay Malakar	Top Quark Films Production	Noida
2011MACMS014	Sanjay Mehra	Dainik Bhaskar	Ajmer
2011MACMS016	Sugathy A.S	Anhad (NGO)	Ahmedabad
2011MACMS0017	Sarjeet Kajla	Top Quark Films Production	Noida
2011MACMS0019	Vipin Sharma	Top Quark Films Production	Noida
2011MACMS020	Vrajender Singh	Rajasthan Patrika/ETV Rajasthan	Jaipur
2011MACMS022	Pushpa Rathore	Dainik Bhaskar	Kishangarh
2011MACMS023	Naveen Sharma	Janta TV	Delhi
2011MACMS024	Insaf Khan	Anhad (NGO)	Ahmedabad
2011MACMS025	Priyanka Parihar	Anhad (NGO)	Ahmedabad
2011MACMS026	Dileep Chandran Jadi	ABN news	Andhra Pradesh

The students of the 2012-13 batch of the Department of Culture and Media Studies, did their Summer Internship in 2013 under different organisations in India.

Scholar's Register No	Name Of The Student	Organisation	Place
2012MACMS002	Akshat Vashistha	Rajasthan Patrika	Jaipur
2012MACMS003	Archana Rajawat	Rajasthan Patrika	Jaipur
2012MACMS005	Bhagchand Choudhary	Rajasthan Patrika	Jaipur
2012MACMS007	Junteera Danpo	Lighty Production	Thailand
2012MACMS008	Manoj Barupal	Rajasthan Patrika	Jaipur
2012MACMS011	Neha Jain	Rajasthan Patrika	Jaipur
2012MACMS013	Pradeep Singh Rathore	Rajasthan Patrika	Jaipur
2012MACMS014	Preeti Shaktawat	Rajasthan Patrika	Jaipur
2012MACMS016	Rajkishor Mahto	Naxatra News	Ranchi
2012MACMS018	Sakshi Jain	ETV Rajasthan	Jaipur
2012MACMS019	Sunita Chouhan	Rajasthan Patrika	Jaipur
2012MACMS020	Sushant Mishra	Naxatra News	Ranchi
2012MACMS021	Vijay Pareek	Rajasthan Patrika	Jaipur

The students of the 2013-14 batch of the Department of Culture and Media Studies, did their Summer Internship in 2014 under different organisations in India.

Scholar's Register No	Name Of The Student	Organisation	Place
2013MACMS001	Anurag Verma	Dept. of Cultural Studies, Tezpur University.	Assam
2013MACMS006	Lavina Shekhawat	Doordarshan TV	Jaipur
2013MACMS011	Priya Tiwari	Dainik Bhaskar	Ajmer
2013MACMS012	Priyanka Sharma	Dainik Bhaskar	Ajmer
2013MACMS013	Rajesh Anchara	Dainik Bhaskar	Ajmer
2013MACMS015	Shikha Bachani	Doordarshan TV	Jaipur
2013MACMS018	Swati Pareek	ETV Rajasthan	Jaipur
2012MACMS009	Manoj Sharma	Dainik Navjyoti	Kishangarh

-
- 65. Development programmes for Non-teaching staff - N/A**
- 66. Good practices of the institution**
- Admissions through all India level entrance test (CUCET)
 - Choice Based Credit System
 - Low fee structure so that provided opportunity of quality education to students from weaker sections of the society.
 - Transparent evaluation system
 - Online Feedback on teachers by students
 - Various clubs and associations being run by the students
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year – N/A**
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required) –**
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required) –**
- 70. Plan of action for the next year (attach separate sheet, if required)**
- Collaborative Research Projects by Faculty Members.
 - The Department plans to sign MoU with University of Hyderabad and NFDC (National Film Development Corporation)
 - Organising Film Festivals showcasing the films and documentaries made by the students.
 - Documentary production by faculties on social issues.
 - Opening up a resource centre for Science and Communication.
 - Organizing national/international conferences and workshops.
- 71. Any other relevant information the Institution / University / Department wishes to add. – NIL**

1. **Name of the Department** : Economics
2. **Year of establishment** : 2010
3. **Is the Department part of a School/Faculty of the University?**
Yes
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
 - Integrated M.Sc. Economics
 - M.A. Economics
 - Ph.D. Economics
5. **Interdisciplinary programmes and Departments involved**
Under choice based credit system students choose the programs from different Departments (MBA, PPLG, Statistics, English, and Culture Media) as an audit and elective.
 - MBA
 - PPLG
 - Statistics
 - English
 - Culture Media
 - Environmental Economics
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
Pre-PhD course work we share with Institute of Development Studies, Jaipur
7. **Details of programmes/courses discontinued, if any, with reasons**
NIL
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Semester and Choice Based Credit System
9. **Participation of the Department in the courses offered by other Departments.**
Students do take audit courses from other Departments like PPLG, MBA, English and Culture Media
Faculties also teach the courses and programmes in other Departments like environmental science, MBA, PPLG and Statistics.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Name of the Position	Sanctioned	Filled
Assistant Professors	04	02
Associate Professors	02	00
Professors	01	00
Assistant Professors (Adhoc)	05	04

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr Hemlata Manglani	M.A., M.Phil, NET, SET, PhD in Eco	Coordinator and Assistant Professor	Micro, International Trade, International macro and finance, Theory of growth	8	01
Dr Pragati Jain	M.A., NET, PhD in Eco	Assistant Professor	Econometrics, Environmental Economics	10	01
Ms Pallavi Tak	M.A Eco., NET, PhD (Pursue)	Assistant Professor	Development Economics, Public Economics	08	00
Mr Satyanarayan Murthy	M.A Eco., NET, PhD submitted	Assistant Professor	Macroeconomics, monetary Economics	1.9 year	00
Mr Pramod Kumar Naik	M.A Eco., NET, PhD submitted	Assistant Professor	Research Methodology, Econometrics, Statistics	6 months	00
Dr Anand B	M.A., NET, PhD in Eco	Assistant Professor	Econometrics, Macro Economics, Indian Economy	6 months	00

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

S. No.	Visiting Fellow	Area of Specialization	Host Institution
1.	Prof. Balwant Singh	Monetary Economics	Former Principal Advisor RBI
2.	Prof. T.S. Papola	Development Economics	Emeritus professor ISID, New Delhi
3.	Prof. Kanta Ahuja	Macro Economics	Former Vice Chancellor University of Rajasthan
4.	Prof. Vidya Sagar	Micro Economics	Retd. Prof. University of Rajasthan
5.	Prof. Manju Singh	Research Methodology	Head Research, Symbiosis
6.	Prof. D.P. Sharma	Monetary Economics	Former General Manager RBI

13. Percentage of classes taken by temporary faculty – programme-wise information

Integrated M.Sc. / M. A.	:	13%
M.Sc. / M. A.	:	52%
Ph.D.	:	NIL

14. Programme-wise Student Teacher Ratio:

Integrated M.Sc.	:	1:7
M.A. Economics	:	1:04
Ph.D.	:	1:02

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff Positions	Sanctioned	Filled	Actual
Clerk	01	00	00
Technical Assistant	01	01	01
Office Attendant	01	01	01

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Recognizing Funding Agency/ ies
NIL		

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise.

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Dr Pragati Jain, Impact of mining and subsequent livelihood shifts on the health status of tribals of Southern Rajasthan..	National	Approx. 0.5 lac

18. Inter-institutional collaborative projects and associated grants received:

Associated Faculty	Collaboration	Collaborator Grants received
NIL		

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

NIL

20. Research facility / centre with

- State recognition MOU with IDS Jaipur
- National recognition ISEC, Bangalore
- International recognition NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies

NIL

22. Publications:

- Number of papers published in peer reviewed journals (national / international)

See Annexure 1

- Monographs

NIL

- Chapters in Books Edited Books

NIL

- Books with ISBN with details of publishers

- Dr. Hemlata Manglani "Managerial Economics" MBA Reference Book, Neelkanth Publication, ISBN:81-8444-259-9, "Managerial Economics" MBA Reference Book, Neelkanth Publication, Edition 2009, ISBN:81-8444-259-9

- Dr. Hemlata Manglani "Research Methods in Management "MBA Reference book, Neelkanth Publication, Edition 2010, ISBN:978-81-8444-260-1

- Dr. Ranjan Aneja,"Socio-EcoNomic Regional Development in Haryana" published by LAP Lambert Academic Publishing (29 September 2013) ISBN-10: 3659446041, Pages: 188

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- Citation Index – range / average NIL

- SNIP NIL

- SJR NIL

- Impact Factor – range / average NIL

- H-index NIL

23. Details of patents and income generated

Sl. No.	Concerned Faculty	Patent Status	Income Generated
		NIL	

24. Areas of consultancy and income generated NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad NIL

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify) NIL

Sl. No.	Concern Faculty	Committee/ Journal	Membership Status
1	Dr Hemlata Manglani	Rajasthan EcoNomic Association	Vice President

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Orientation Program

S.No.	Faculty Name	University	Duration
1	Dr Pragati Jain	Jawaharlal Nehru University, Delhi	April –May 2015

Workshop

S.No.	Faculty Name	Theme	Place	Duration
1	Dr Hemlata Manglani	Econometrics Applications	MNIT Jaipur	19 th March to 23 rd March 2015.
2	Dr Pragati Jain	Econometrics Applications	MNIT Jaipur	19 th March to 23 rd March 2015.
3	Ms Pallavi Tak	Audio-Visual Tools in Research	ISID New Delhi	24 th to 30 th November 2014

Conferences

S.No.	Faculty Name	Place	National/International	Duration
1	Dr Hemlata Manglani	Joint collaboration with Japan at	International conference on Changing Dynamics of	17 th October 2014

S.No.	Faculty Name	Place	National/International	Duration
		Biyani College Jaipur	Global EcoNomy India-Japan Bilateral conference Oral presentation	
2	Dr Hemlata Manglani	The Indian Econometric Society at Patiala University	National Oral Presentation	December 2014
3	Dr Pragati Jain	JNU, New Delhi	International Conference of international congress Oral Presentation	21 st to 22 nd February 2015
4	Mr Satyanarayana Murthy	Geetam University Vishakhapatnam	International conference Oral Presentation	February 26 2015
5	Mr Pramod Kumar Naik	Bits Pilani	International Conference	19 th March 2015
6	Ms Pallavi Tak	Jamia Milia University	International Conference	19 th -20 th September 2014
7	Ms Pallavi Tak	J.K. Laxmipatt University Jaipur	International Conference	19 th to 21 st December 2014
8	Dr Hemlata Manglani	Rajasthan EcoNomic Association, Central University of Rajasthan	National Conference Oral Presentation	23 rd to 25 th January 2015
9	Dr Pragati Jain	Rajasthan EcoNomic Association, Central University of Rajasthan	National Conference Oral Presentation	23 rd to 25 th January 2015
10	Ms Pallavi Tak	Rajasthan EcoNomic Association, Central University of Rajasthan	National Conference Oral Presentation	23 rd to 25 th January 2015
11	Mr Satyanarayan Murthy	Rajasthan EcoNomic Association, Central University of Rajasthan	National Conference Oral Presentation	23 rd to 25 th January 2015

- Conference of Rajasthan EcoNomic Association 2015 during 23rd to 25th January 2015

28. Student projects

- Percentage of students who have done in-house projects including interDepartmental projects
100 % students do their Master thesis dissertations
- Percentage of students doing projects in collaboration with other universities / industry / institute.
100 % students do their projects with various institutes, industry and universities in their summer internship program

29. Awards / recognitions received at the National and International level by

- Faculty NIL
- Doctoral / post doctoral fellows NIL
- Students NIL

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conference/ Workshop	Source of Funding	National/ International
REA Conference	ICSSR	National

DETAIL PARTICIPATION IN CONFERENCE

Department of Economics, Central University of Rajasthan has successfully organized the 35th Annual conference of Rajasthan EcoNomic Association on "Recent Advancements in Economics: Theories and Practices" sponsored by ICSSR, New Delhi.

Former Union Minister and Chancellor, Central University of Gujarat Prof. Y.K. Alagh was the Chief Guest of the conference and addressed the participants on video conferencing.

Guest of HoNour, Prof. Kanta Ahuja, former Vice Chancellor University of Rajasthan and M.D.S. University Ajmer and Prof. T.S. Papola, HoNorary Professor, ISID New Delhi, Former President Labour EcoNomic Association and Advisor, planning commission inaugurated the Conference by lightening the Lamp.

Prof. K.C. Sharma, Dean Academics and Prof. Supriya Agarwal, Dean School of Social Sciences addressed the gathering. Hon'ble Vice Chancellor delivered the presidential remark. Member on dice released the conference proceedings powered by The EcoNomic Times; they also released the Journal of Rajasthan EcoNomic Association.

Publication of Conference Proceedings by the Department of Economics

Considering the perennial changes and advancements that our national and global economies are undergoing, the theme for the conference has been carefully chosen to be inclined towards contemporary issues in Economics. Economics and economic affairs of the 'world economy' are in the frontline, being discussed and dealt with an enthusiasm as never before. The discipline of Economics has changed substantially in recent times and their impact in day-to-day life is intrinsic. Similarly, the multi-disciplinary approach to research has fuelled the importance of Economics in all walks of life and streams of research. Economics as a social science is transforming, evolving and influencing tremendously beyond its obvious boundaries. The transition well observed, analyzed, captured and understood may lead to intelligent inferences and decisions, in favour of household, business, communities, economies and world economy as a whole.

Interaction with eminent researchers and policy makers

This conference was a grand gathering of policy makers, thinkers, and economists across the country. Many dignitaries have joined the conference as Chair Persons and KeyNote of the sessions namely Prof. Balwant Singh Former Principal Advisor of RBI, Prof. D.P. Sharma former General Manager of RBI, Prof. Vidya Sagar, Retd. Prof. From University of Rajasthan and IDS, Jaipur, Prof. Manju Singh, Symbiosis International Pune, Prof. M.S. Rathore, Centre for Environment and Development Studies Jaipur, Dr Hansa Jain, from Sardar Patel Institute of Economics and Social Research, Dr Sanjeev Gupta from Central University of Himachal Pradesh, Dr Amaresh Samantrai from Pondicherry University, Prof. Neeraj Gupta from Central University of Rajasthan, Prof. Subhash Sharma from Jai Naraiyan Vyas University Jodhpur, Dr Vijay Goel former Additional Chief Economist and Now Consultant Economic Research Unit, Joint Plant Committee, Ministry of Steel, Govt of India, Ms Hema Maity, Deputy General Manager, India Trade Promotion Organisation (ITPO), Prof. Joydeb Sasmal, Vidya Sagar University, West Bengal, Dr Manish K Choubey from Sikkim University.

Invited talk and Technical sessions

Prof. T.S. Papola delivered the Invited talk on " *India's Economic Growth during the Last Two Decades: How "Inclusive" It has been?*" This session was chaired by Prof. Kanta And Prof. M.S. Rathore, Director, Centre for Environment and Development Studies, delivered the invited talk on " *Environment and Development*". Ahuja. This session was chaired by Prof. Pradeep Bhargav.

This conference was the gathering of 150 delegates including invited guests from all over India; Organizers had received the participations from Chennai, Maharashtra, Madhya Pradesh, West Bengal, Gujarat, Haryana, Delhi, UP, Hyderabad, Punjab, Sikkim, and Rajasthan. 100 paper presentations were held in six parallel technical sessions. Rajasthan Economic Association and Central University of Rajasthan brought the young and eminent scholars from various places like Banasthali, Niwai, Bharatpur, Sikar, Churu, Sardarshahar, Ajmer, Deedwana, Jodhpur, Kishangarh, Jaipur, Tonk, Udaipur and Kota covered most of places of Rajasthan state. We are happy to share this that we received rupees one Lac in registration fees of this conference from the participants. This conference was the platform of interaction amongst all

delegates, scholars and invited guests to enrich the research objectives and identifying thrust and advanced practices of research in Rajasthan.

31. Code of ethics for research followed by the Departments

Plagiarism check

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.A. Economics		17	09	94%	100%
Integrated Economics		12	12	50%	50%
PhD Economics		03	03	100%	100%

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.A. Economics	0	79%	21%	0
Integrated Economics	0	81%	19%	
PhD Economics	33%	17%	50%	0
Annexure				

* Data Not available with the Department Now.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

Integrated M.Sc./M. A.:

Batch 2013- 2018 NA

M.Sc. / M. A.:

Batch 2011-2013 CSIR- NET Exam: 05

UPSC- IAS Exam: NIL

Batch 2012- 2014 CSIR – NET Exam: 01 SET Exam :01

Batch 2013- 2014 SET 01

Name of the student	Gender	Category	Competitive Exam Qualified
	Male Female	General SC ST OBC	
Narendra Singh	Male	OBC	NET,JRF
Gajendra Singh Meena	Male	ST	NET,JRF
Shashank Dave	Male	General	NET
Kirandeep Kaur	Female	OBC	NET
Jyoti Lilar	Female	SC	NET
Usha Meena	Female	ST	NET
Prahlad Dhaker	Male	General	SET
Kajod Mal Meena	Male	ST	SET
Gajendra Singh Meena	Male	ST	Kendriy Vidyalay school lecturership, third grade rpsc exams, first grade school lecturership
Abha Priya	Female	General	Agricultural officer in Dena Bank
Poonam Rathore	Female	General	NET
Priyanka	Female	OBC	NET

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil	04 (in other institutes)
PG to Ph.D	04 (CURAJ)+07 (other institutes)
Ph.D to Post-Doctoral	NIL
Employed <ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	05 (Pratham NGO) (Batch 2010-12) 02 (TCS) (Batch 2011-13) 1(Agricultural officer) 1 (kendriya vidyalay) 1 (ICG College Jaipur) 02 (project associate)
Entrepreneurs	05

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	NA
From other universities within the state	03
From universities from other states	03
From universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

01

38. Present details of Departmental infrastructural facilities with regard to

- | | | |
|----|--|-----|
| a) | Library | NIL |
| b) | Internet facilities for staff and students
omputer Lab
No Wi-Fi
LAN Facility for staff room | |
| c) | Total number of class rooms | 02 |
| d) | Class rooms with ICT facility | 02 |
| e) | Students' laboratories | NA |
| f) | Research laboratories | NA |

39. List of doctoral, postdoctoral students and Research Associates

NIL

- a) From the host institution/University: NIL
- b) From other institutions/universities: NIL

40. Number of post graduate students getting financial assistance from the University.

03

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Faculty discussion and review before syllabus review and experts' opinion

Based on need, individual faculty give their own opinion on the program or syllabus

42. Does the Department obtain feedback from:

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?

Yes

- Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?

Faculties used to attend workshops and faculty development program and improve based on feedback given by students

- alumni and employers on the programmes offered and how does the Department utilize the feedback?

NIL

43. List the distinguished alumni of the Department (maximum 10)

NA

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Department have organized following Guest Lectures during the session 2013-14 and 2014-15:

- Special Lecture by Prof. Balwant Singh
Prof. Balwant Singh, former Principal Advisor of RBI and active member of The Indian Econometric Society, Delivered the Lectures on Macro Economics Identity September 2014
- Special lecture by Prof. Manju Singh
Prof. Manju Singh, Head Research Department of symbiosis Pune Delivered the Lectures on Research Skills and Gender Inclusive Growth September 2014
- Prof. Narayan Sinha from Botswana University, delivered the lecture on Research Methodology on 7th January 2013
- Prof. Dilawar Ali Khan from Pakistan former Dean and Professor of NUST Business School, delivered the lecture on following topics during February 18th -20th 2013.
- Prof. Alpana Kateja, Head Department of Economics, University of Rajasthan Delivered the Special lecture on April 25th 2013.
- Prof. K.C. Sharma, Dean Academics, CURAJ, delivered special lecture on 1st May 2014 in the inaugural address of EcoNomania Fest
- Prof. Balwant Singh has taken Special Sessions on Monetary Economics during November 2013
- Prof. DVS Sastry has taken Special Lecture on Monetary Economics during March 2014
- Mr. Balwant Singh (Ex- Chief Advisor to RBI) has taken a special session on Banking and regulations in September 2014
- Dr Manju Singh (Head, SIRI, SIU, Pune) has taken special lectures on Research Methodology in September 2014.

Conferences Organized in 2013-14 and 2014-15

- Department of Economics organised National Conference on Critical Issues during January 22nd and 23rd 2014. Chief Guest of the Inaugural function was Dr. Narendra Jadav, Member Planning Commission of India whereas distinguished Invited Speakers were Prof. R.H. Dholakia from IIM Ahmadabad, Prof. Balwant Singh, Former Principal Advisor of RBI India, Prof. N.R. Bhanumurthy from Institute of Public Finance and Secretary of TIES India, New Delhi and Dr. Sanjeev Gupta from Central University of Himachal Pradesh.

45. List the teaching methods adopted by the faculty for different programmes.

- Presentations

- Group discussions
 - Lecture method
 - Case studies
 - Live projects
 - Research
- 46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?**

- Faculty meetings
- Reviewing the question papers
- Mentor system and reports
- Students' assessment report and performance
- semester Activities and Students' participation

- 47. Highlight the participation of students and faculty in extension activities.**

Visit of Tilonia Village

Interaction with Industry

Industrial Visit: Department of Economics organized industrial visit for the students for establishing interaction with industry. The students visit the village Tilonia in Ajmer district of Rajasthan as a part of industrial trip. The students learnt about solar panels, solar energy sources, weaving, radio station, pollution control mechanism, and medical equipment.

Children's Day: Department of Economics celebrated Children Day with the students of Day Care Centre. Several cultural activities were organized for the children of day care centre. Sweaters and fruits were also distributed among the children.

Plantation "My Nature, I Care": On the occasion of orientation programme (Sept 3, 2014), the Department of Economics presented its objective of nature care. Hon'ble Vice Chancellor inaugurated the event by planting a tree. All the member of ecoNomic society and Department pledged of caring nature. Total 201 trees were planted in the campus of University to create environmental awareness.

- 48. Give details of "beyond syllabus scholarly activities" of the Department.**

SYLLABUS ORIENTED ACTIVITIES

Interaction with Industry

Industrial Visit: Department of Economics organized industrial visit for the students for establishing interaction with industry. The students visit the village Tilonia in Ajmer district of Rajasthan as a part of industrial trip. The students learnt about solar panels, solar energy sources, weaving, radio station, pollution control mechanism, and medical equipment.

Entrepreneur in Action (EIA): To catalyse to young entrepreneurial mind, the society organized Entrepreneur in Action on October 16, 2014. The students including rural entrepreneurs set up their stall in the event and presented their skills towards entrepreneurship. Approx. 1500 people including faculty visited the event and praised their innovative ideas.

Interaction with Research Bodies

Institute of Development studies Jaipur

Visit of Norwegian students under the banner of Institute of Development studies Jaipur

The students of Norway University under the banner of IDS, Jaipur visited the Department of Economics and interacted with students. Dr. Mohana Kumar S. Associate professor IDS, Presented a paper on Political System in India.

Plantation "My Nature, I Care": On the occasion of orientation programme (Sept 3, 2014), the Department of Economics presented its objective of nature care. Hon'ble Vice Chancellor inaugurated the event by planting a tree. All the member of ecoNomic society and Department pledged of caring nature. Total 201 trees were planted in the campus of University to create environmental awareness.

Live Projects and Seminars

Students are given live projects of nearby villages and industries. They learn to do primary survey and they also do the environmental studies of nearby areas and do present in class. Department conducts weekly seminars for students.

EcoNomic Society: Department has established ecoNomic society which aims to increase students' participation and motivate them to learn by doing. Various activities are planned such as cross puzzled, budget game, treasure hunt, debate, quiz and essay writing based on ecoNomic issues.

E-Magazine "Equilibrium"

The magazine seeks to provide a platform to budding ecoNomists for the articulation and discussion of relevant concerns about the world ecoNomy through a wide range of research papers, articles and reports, contributed by national and foreign universities. I hope you will enjoy students' contribution in developing ecoNomic environment. Equilibrium is a kNowledge sharing platform representing the varied creativity of students and their activities in the Department and society.

EcoNomania 2015

Several activities like EcoNomist, Young EcoNomist, Loot Equilibrium, Treasure Hunt, Wealth of Nation etc are organized in the event. The students participated in the events with great enthusiasm. The students of society presented their ideas, inNovations throughout the event. The e-magazine "Equilibrium" and official website of The Economics Society www.Economicscuraj.com were launched by Hon'ble guests. Different social, ecoNomic and cultural games/events were organized during three days extravaganza. As per the records, the society is privileged to announce that we received as much as 450 registrations from different Departments of the

University. It was the matter of great strength for the society itself that the participants were highly energetic and enthusiastic while playing different games.

The events/games like Green Trade, Wealth of Nations, Go Freak, Press Conference, Daredevils, Chai Pe Charcha, Dance CURAJ Dance, Fashionista etc. were organized during the fest.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.

- KNowledge enhancement with practice by organizing events like entrepreneur in action and EcoNomania
- E-magazine "Equilibrium"
- EcoNomic society and alumni portal

51. Future plans of the Department.

- Orientation programme for the new students
- Planning the national workshop on Econometrics
- Upgrade/Revision of syllabus of M.A. and Ph.D.
- Conducting guest lectures inviting expertise from the reNowned institute.
- Giving students experience of small research projects and papers.
- Departmental library
- Research projects for faculties in collaboration and through funding agencies

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

- **Strengths:** Multi-disciplinary approach in curriculum, Young, committed, dynamic and energetic faculty, ICT classrooms, Extensive use of IT by teachers and students, Field activities, internship programme, in house projects for all students, Internship give us the opportunity to go beyond the syllabus and equip the students with practical kNowledge and skills.

- **Weaknesses:** infrastructure, and instability of faculties, No administrative staff

Lack of supporting staff

Lack of Departmental library

Non-availability of separate room for faculty

Faculty needs to focus on research.

Inadequate time for field research

- **Opportunities:** UN offered specialization in M.A. Economics has demand in market and lot of opportunities to come up.

There is greater possibility of collaboration with the reNowned institution within the nation and abroad. To have more exchange programmes with universities abroad.

Research projects from various funding agencies.

MOU with Institute of Development Studies, Jaipur for research activities

- **Challenges:** To constantly upgrade the syllabi for a dynamic subject like Economics. It is important to update with the latest global changes, New developments in the academic field

53. **Activities reflecting the goals and objectives of the institution:**

Refer Annexure 4 and 5

54. **Examination reforms implemented:**

Moderation of exam paper

Common paper format

Review of exam paper

Maintaining the records of exam papers, attendance sheet and answer sheets

Flying squad during invigilation

55. **Community services**

COMMUNITY ORIENTATION TO STUDENTS AND FACULTIES

Visit of Tilonia Village

Interaction with Industry

Industrial Visit: Department of Economics organized industrial visit for the students for establishing interaction with industry. The students visit the village Tilonia in Ajmer district of Rajasthan as a part of industrial trip. The students learnt about solar panels, solar energy sources, weaving, radio station, pollution control mechanism, and medical equipment.

Plantation "My Nature, I Care": On the occasion of orientation programme (Sept 3, 2014), the Department of Economics presented its objective of nature care. Hon'ble Vice Chancellor inaugurated the event by planting a tree. All the member of ecoNomic society and Department pledged of caring nature. Total 201 trees were planted in the campus of University to create environmental awareness.

56. **Unit cost of education**

Not Applicable to the Department

57. **Computerization of administration and the process of admissions and examination results, issue of certificates**

Controller of examinations deals with it

58. Activities and support from the Alumni Association

Alumni meets organized two times in year 2012 and 2013

59. Activities and support from the Parent-Teacher Association

Mentor system

60. Health services

University medical health centre

61. Performance in sports activities

STUDENTS' PERFORMANCE IN SPORTS' ACTIVITIES

- Manoj Kajla (Batch 2013-15, M.A. Economics) Participated in West Zone Sports Tournament at Shivaji University Kolhapur During February 2014
- Sunita Kumari and Nisha Yadav (Batch 2013-15, M.A. Economics) Participated in Volleyball Tournament in Gujarat during November 2013
- Sunita Kumari (Batch 2013-15, M.A. Economics) participated in Handball West Zone tournament in 2013-14

University Sports' Tournament

- Sunita Kumari (Batch 2013-15, M.A. Economics) participated in volleyball in sports tournament of University and won the match (2013-14 session)
- Girls' team of Department of Economics participated in Kabaddi Match in sports tournament of University and won the match (2013-14 session)
- Girls' team of Department of Economics participated in Kabaddi Match in sports tournament of University and won the match (2014-15 session)
- Sunita Kumari (Batch 2013-15, M.A. Economics) participated in volleyball in sports tournament of University and won the match (2014-15 session)

Sunita Kumari (Batch 2013-15, M.A. Economics) participated in Basket Ball in sports tournament of University and won the match (2014-15 session)

62. Incentives to outstanding sportspersons:

NIL

63. Activities of the Guidance and Counselling unit:

University sparsh and career counselling cell

Mentor system

64. Placement services provided to students

SUMMER INTERNSHIP AND PLACEMENT PROGRAMMES: Department has Placement Cell which facilitates the students with summer internship and placements every year. Detail for the same is as follow:

Summer Internships 2013-14 and 2014-15

Students have gone for Symbiosis Pune, Sardar Patel Institute of Research Ahmadabad, Institute of Development studies Jaipur, Pratham and BARC NGO, IIFT, RBI, NABARD, ISEC Bangalore, Anand Rathi, Bank of India, University of Kerala, Jammu and Kashmir.

Placements

65. Development programmes for Non-teaching staff

NA

66. Good practices of the institution

Day care centre

67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year.

N.A.

68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)

- Moderation paper
- Moderation of marks
- Same pattern of exam papers
- Facilitate the students with classes to prepare NET and IES
- Practical approach with theory and learning Econometrics will be enhanced
- Students' participation in conference, seminar and projects will be enhanced
- Bridge course and remedial classes for students
- New Electives will be offered
- Audit course scheme

69. Outcomes achieved by the end of the year (attach separate sheet, if required)

Please refer the annexure 3, 4 and annexure 5 reveals the outcomes of the objective to enrich the quality of students with theory cum practical approach and research activities in the Department by organizing conference and special lectures

70. Plan of action for the next year (attach separate sheet, if required)

1. Orientation programme for the new students

2. Planning the national workshop on Econometrics
3. Upgrade/Revision of syllabus of M.A. and Ph.D.
4. Conducting guest lectures inviting expertise from the reNowned institute.
5. Giving students experience of small research projects and papers.
71. **Any other relevant information the institution / University / Department wishes to add.**

NIL

1. **Name of the Department** – Department of English
2. **Year of Establishment** – 2010
3. **Is the Department part of a School/Faculty of the University?**
School of Humanities and Language
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)** – PG, Ph.D
5. **Interdisciplinary programmes and Departments involved –**
The Department offers courses like English Language Teaching, Writing and Editing for Media, Script Writing for Films, Creative Writing, Adaptations and Relocations and these can be/are offered as audit courses by students of other Departments. Also the faculty is involved in teaching the paper of Communications Skills in various other Departments of the University.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** – Not Applicable
7. **Details of programmes/courses discontinued, if any, with reasons** - No
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System** – Semester, Choice Based Credit System
9. **Participation of the Department in the courses offered by other Departments** – the students opt for papers in Departments like Culture and Media Studies, MBA, Public Policy Law and Governance, Hindi
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled
Professor	01	01
Associate Professors	02	01
Asst. Professors	04	03
Others		

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Supriya Agarwal	M.A. Ph.D	Professor	Gender Studies & Comparative Literature	23	2

Dr. Sanjay Arora	M.A. M. Phil, Ph.D	Associate Professor	English Language Teaching	15	12
Dr. Bhumika Sharma	M.A. English, M.A. Economics, NET, Ph.D	Assistant Professor	Postcolonial Studies, African American Writing	9	NONE
Dr. Neha Arora	M.A., NET Ph.D	Assistant Professor	Dalit Literature, Contemporary Literature	7	NONE
Mr. Devendra Rankawat	M.A. B.Ed., NET, JRF, SET, Ph.D (Pursing)	Assistant Professor	Postcolonial Studies, Creative Writing	6	NONE
Dr. Vinod K.K	M.A. M.Phil, NET, Ph.D,	Assistant Professor			
Dr. Valiur Rahaman	M.A. NET, Ph.D,	Assistant Professor	Literary Theory & Criticism	7	NONE
Dr. Sarvesh Mani Tripathi	M.A. SLET, Ph.D	Assistant Professor	Contemporary Theory, Indian Writing In English, Subaltern Studies	6	NONE
Dr. Arpana Jha	M.A. Linguistics, M.A. English, Ph.D, UGC-NET, PGJMC	Assistant Professor	English Language Teaching, Applied Linguistics, Curriculum Development	6	NONE
Mr. Vijay Pal Balodria	M.A. Philosophy, M.A. Journalism, M.A. English, UGC-NET, Advanced Diploma in French Language and Literature	Assistant Professor	Theatre of Absurd, Modernism	6	NONE

12. **List of senior Visiting Fellows, adjunct faculty, emeritus professors – Nil**
13. **Percentage of classes taken by temporary faculty – programme-wise information – Nil**
14. **Programme-wise Student Teacher Ratio – 5:1**
15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual – 1 technical assistant and 1 administrative staff**
16. **Research thrust areas as recognized by major funding agencies - Linguistic, Literary & Cultural Studies for Sustainable Development**

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise - Nil**
18. **Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration - Nil**
19. **Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. - Nil**
20. **Research facility / centre with**
- **State Recognition - Nil**
 - **National Recognition - Nil**
 - **International Recognition - Nil**
21. **Special research laboratories sponsored by / created by industry or corporate bodies - Nil**
22. **Publications:**

Papers/Books Published by Faculty:

Name	Number Of Papers Published In Peer Reviewed Journals (National / International)	Monographs	Chapters In Books	Edited Books	Books With Isbn No.
Dr. Supriya Agarwal		1	15	3	2
Dr. Sanjay Arora	11	None	03	None	
Dr. Bhumika Sharma	8	None	None	None	None
Dr. Neha Arora	6	None	2 Published, 2 Accepted	None	None
Mr. Devendra Rankawat	1	None	None	None	None
Dr. Vinod K.K	None	None	None	None	None
Dr. Valiur Rahaman	6	None	2 (Accepted)	None	4
Dr. Sarvesh Mani Tripathi	4	None	3	None	None

1. Dr. Bhumika Sharma – “Postmodernist Culture: Living the ‘Other’ Without Conceding the ‘Self’” in *Litcrit: An Indian Response to Literature*, Vol. 40, Issue 77, No. 1. June 2014, pp 86-93. ISSN 0970-8049.
2. Dr. Bhumika Sharma – “Theory, Literature, and Dialogue: Bakhtinian Consciousness in New Indian Literature” in *Epiphany, Journal of the Faculty of Arts and Social Sciences, International University of Sarajevo*, Vol. 7, No. 1, 2014, pp 216-232. ISSN 1840-3719.

3. Prof. Supriya Agarwal & Dr. Valiur Rahaman – “The Poetics of Societal Hypoxia” in International Journal on Studies in English Language and Literature, Vol. 2, Issue 11, November 2014, pp 91-97. ISSN 2347-3126.
4. Dr. Valiur Rahaman – “Invention, Memory and Place in *Magic Seeds: A Perspective of Reading*” in Dr. Ajay Chaubey edited *V.S. Naipaul: An Anthology of 21st Century Criticism*, ISBN 978-81-269-1904-8, New Delhi: Atlantic Publishers, 2015, pp 30-45.
5. Dr. Valiur Rahaman – “Metaautobiographicity: Some Observations on Salman Rushdie’s *Enchantress of Florence*” in Dr. Ajay Chaubey edited *Salman Rushdie: An Anthology of Critical Essays in New Millennium*, ISBN (eBook) 978-3-656-89679-1, (Book) 978-3-676-89680-7, Grine Publications, pp 165-179.
6. Dr. Neha Arora – “Locating ‘realism’ in the ‘regionalism’ of Phanishwarnath Renu’s *Maila Aanchal*” in The Expression: An International Multi-Disciplinary Journal, Vol. 1, Issue 1, February 2015.
7. Dr. Bhumika Sharma – “Gender Dynamics and Gender Mainstreaming: A Correlative Approach” in Kshama Agarwal edited *Gender Mainstreaming: Problems & Prospects*, pp 201-210, ISBN 978-81-7611-715-9, RBSA Publishers, Jaipur.
8. Dr. Neha Arora – “A Rendezvous with the ‘Bodiless Heads and Headless Bodies’ in the Select Short Stories of Ama Ata Aidoo” in The Literary Voyage, Vol II, Issue I, Jan-April 2015, ISSN 2348-5272, pp 191-200.
9. Prof. Supriya Agarwal – “Historiographicalization of Contemporary Realities through ‘Folk Imagination’: A Reading of Mahasweta Devi’s Plays” in Jodhpur Studies in English, Vol. XIII, 2015, ISSN 0970-843X.
10. Dr. Neha Arora – “Smoke in FemiNotopia: Women in Kamala Das’s Short Stories” in Ram Avadh Prajapati edited *Outlook on Contemporary Indian Writers: A Critical Exploration*, pp 122-134, ISBN 978-81-922645-0-9, Takhtotaaz Publishers, Allahabad.
11. Dr. Neha Arora – “Bollywood and Indian Muslim Women: Representation or Misrepresentation?” in Dialogue: A Journal Devoted to Literary Appreciation, Vol. X, No. 2, December 2014, pp 63-69, ISSN 0974-5556.
12. Prof. Supriya Agarwal – “Seen and Unseen Psyche of the Partition” in Global Journal of English Language and Literature, Vol. 1, Issue 3, July 2013, 13-24.
13. Prof. Supriya Agarwal – “Mobility, Connectivity and Imagination in a Multicultural World” in Contemporary Discourse, Vol. 4, No. 2, July 2013.
14. Dr. Bhumika Sharma – “An Interdisciplinary Aesthetics: A Postmodernist Syudy of Bharti’s *Andha Yug*” in Indian Literature: Sahitya Akademi Bi-Monthly Journal, Nov-Dec 2013.

15. Prof. Supriya Agarwal – “Strategic Usage of Myth in Modern Literature and its Global Impact” in International Journal on Studies in English Language and Literature, Vol. 1, Issue 4, December 2013.
16. Dr. Bhumika Sharma – “Ice Cracks for Frozen Flow: Comprehending the Irony of Development through Metaphor of Water” in The Human: Journal of Literature and Culture issue 2, December 2013, 31-45.
17. Dr. Neha Arora – “Brindavan: The Image of ‘Broken Homes, Shattered Hopes’ in Indira Goswami’s *The Blue-Necked God*” published in Labyrinth: An International Refereed Journal of Postmodern Studies Vol. 5/ No. 2 – April 2014, 42-51.
18. Prof. Supriya Agarwal assessed a book *Teaching English Communicatively: Principles, Practice, Perspectives* edited by Shaila Mahan. It was sent by Prof. Rajneesh Arora (EFLU LuckNow Campus).
19. Prof. Supriya Agarwal and Dr. Bhumika Sharma, (with Prof. Anisur Rahman) edited a book *Discoursing MiNority: In-Text and Co-Text*.
- 23. Details of patents and income generated - Nil**
- 24. Areas of consultancy and income generated - Nil**
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad - Attended International conferences**
- 26. Faculty serving in**
- a) National committees b) International committees c) Editorial Boards
d) any other (please specify)

Name	National Committees	International Committees	Editorial Board	Members Of Other Professional Bodies
Dr. Supriya Agarwal	Nil	Nil	Nil	Mentioned In Separate Sheet (Annexure – Vi)
Dr. Sanjay Arora	President Of Eltai	Member Of Tesol, latefl	Nil	Advisor To Eltai Rajasthan: Jaipur Chapter
Dr. Bhumika Sharma	Nil	Nil	Nil	Nil
Dr. Neha Arora	Nil	Nil	Indian Journal of Comparative Literature & Translation Studies	Iaclals, Spiel
Mr. Devendra Rankawat	Nil	Nil	Nil	Apoorva International Literary Society, Jodhpur

Name	National Committees	International Committees	Editorial Board	Members Of Other Professional Bodies
Dr. Vinod K.K	Nil	Nil	Nil	Nil
Dr. Valiur Rahaman	Nil	Nil	Associate Editor (International Journal Of Contemporary Social Research, Moradabad), Editor-In-Chief (Avant Garde Responses: An Interdisciplinary Journal Of Humanities & Social Sciences, Varanasi)	Comparative Literature Association Of India, English Language Teachers' Association Of India, Muse India, laclals, National Humanities Centre
Dr. Sarvesh Mani Tripathi	Nil	Nil	Nil	Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

28. Student projects

- Percentage of students who have done inhouse projects including interDepartmental projects – Students are given projects in the papers prescribed like Creative Writing, Script writing for Films
- percentage of students doing projects in collaboration with other universities / industry / institute – two students, Amiya Ghosh and Rohitashv Yadav completed their Summer internship project under Prof. B.P. Sinha (Central University of Jharkhand)

29. Awards / recognitions received at the National and International level by

- Faculty - Nil
- Doctoral / post doctoral fellows - Nil
- Students - Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

S. No.	Seminars / Conference / Workshops	Topic	Dates	Funding Agency	Outstanding Participant
1	National Seminar	Tagore's Cultural and Political Ideas, Reflections and Re-evaluations	25-27 Nov. 2010	Sahitya Akademi	Supriya Choudhary (Kollatta), E.V. Ramakrishana (Ahmedabad)
2	National Workshop	Revisiting Culture cartographies of Indian Languages	24-26 Jan. 2011	UGC	Ganesh Devy
3	International Conference	Shifting Paradigms of Comparative Literature	8-9 March-2011	UGC	Prof. Dorothy Figueira (USA) Pia Thielmann
4	International Conference	MiNority discourses across cultures	26-28 Feb. 2012	UGC	Prof. Dorothy Figueira (USA), Prof. Assumpta Camps (SPAIN), Prof. SigNild Bogumil Notz (Germany), Prof. S. Manzoral (Bangladesh), Prof. John Burt Forster (USA)

31. Code of ethics for research followed by the Departments – innovative, No plagiarism

32. Student profile course wise:

Name of the Course (refer to question No. 4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
2010-11		Males – 10 (including 1 NRI boy), females – 10		100%	
2011-12	120	Males – 11, females – 08		100%	
2012-13	118	Males – 07, females – 16 (including 1 foreign national girl)			
2013-14	167	Males – 08, females – 11			

33. Diversity of students

Name of the Course	% of students from the	% of students from other universities	% of students from universities	% of students from other

(refer to question No.4)	same University	within the state	outside the state	countries
2010-11	Not applicable	90%	5%	5%
2011-12	Not applicable	100%	Nil	Nil
2012-13	Not applicable	86.95%	8.69%	4.34%
2013-14	Not applicable	89.47%	10.52%	Nil

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

2 students have cleared UGC-NET (Anita Goswami and Vijayraj Kumawat) and 1 student has cleared Rajasthan SET (Ashok Kumar Tanan)

35. Student progression

Student progression	Percentage against enrolled
UG to PG	-
PG to M.Phil	-
PG to Ph.D	3 students are pursuing their PhD research from IIT Roorkee and Central University of Punjab
Ph.D to Post-Doctoral	-
Employed <ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	Nil
From other universities within the state	03 (42.85%)
From universities from other states	04 (57.14%)
From universities outside the country	Nil

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

01 (Dr. Bhumika Sharma)

38. Present details of Departmental infrastructural facilities with regard to

- a) **Library** – well equipped library
- b) **Internet facilities for staff and students** – 24 hours
- c) **Total number of class rooms** - 02

- d) **Class rooms with ICT facility - 02**
- e) **Students' laboratories - 02**
- f) **Research laboratories - Nil**
39. **List of doctoral, postdoctoral students and Research Associates**
- a) **from the host institution/University - Nil**
- b) **from other institutions/universities - Nil**
40. **Number of post graduate students getting financial assistance from the University**
- The first 03 toppers in the merit list of CUCET exam. 03 in semester I and 03 in semester III, as per the Norms of the University.
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
42. **Does the Department obtain feedback from**
- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback? yes**
- b. **students on staff, curriculum and teaching-learning-evaluation and how does the Department utilize the feedback? yes**
- c. **alumni and employers on the programmes offered and how does the Department utilize the feedback? yes**
43. **List the distinguished alumni of the Department (maximum 10) – N.A.**
44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**
- External experts are called as guest faculty for papers like Writing and Editing for Media, Script Writing for Films, Creative Writing, Research Methodology. In the previous years, Esther David, Prof. Somdatta Mandal, Ravishankar, Rekha Nigam, Prof. Neelum Saran Gour were invited for special lectures.
45. **List the teaching methods adopted by the faculty for different programmes – Audio-Visual Method**
46. **How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored? – Regular interaction with students, group discussions, combined classes of both the semesters, teacher-guardian sessions**
47. **Highlight the participation of students and faculty in extension activities.**
- Our students have regularly been invited to judge the various competitions held at Birla International School - in 2012-13, Vijayaraj Kumawat and Balveer Poonia, in 2013-14 Rohitashv Yadav, Shalini Sisodiya, Pankhuri Vyas and Vishakha Khairwa.

- Students also attend the workshops and seminars organised by other universities. Bibin Matthew Sebastian and Amiya Ghosh presented papers at Central University of Jharkhand, Bibin, Amiya, Pankhuri and Laura attended a conference at MNIT, Jaipur.
48. **Give details of “beyond syllabus scholarly activities” of the Department** – The Department is also involved with the Film Club, Literary Club, e-magazine (Astitva)
 49. **State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details** – No
 50. **Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.**
 The syllabus of the Department is different from the traditional MA English literature course taught across the country. With papers like Culture & Society and Comparative literature we try to inculcate in the students respect for other cultures and enhance their kNowledge of their own culture as well. Script Writing, Creative Writing and Media keep them abreast with the new emerging fields in society.
 51. **Future plans of the Department** – proposes to establish Centre for Women Studies and Centre for Language Studies
 52. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.**
 Strengths – smart class rooms, internet facility, well equipped library, faculty from diverse regions and varied universities
 Weaknesses – unstable status of faculty members as some of them are on contractual basis, location of the University, infrastructure problems
 Opportunities - new University with different syllabi helps in being innovative
 Challenges - students mainly from regional areas, hence language forms a barrier
 53. **Activities reflecting the goals and objectives of the institution**
 54. **Examination reforms implemented** – we follow the semester system of examination which includes 3 mid-semester exams, 1 internal assessment comprising written assignment and presentation.
 55. **Community services**
 56. **Unit cost of education** – as per the Norms of MHRD and University
 57. **Computerization of administration and the process of admissions and examination results, issue of certificates**
 58. **Activities and support from the Alumni Association**
 59. **Activities and support from the Parent - Teacher Association**
 60. **Health services** – As per the Norms of University

61. **Performance in sports activities** – The students actively participate in the sports activities organised at state, zone and national level.
62. **Incentives to outstanding sportspersons** – As per the Norms of University
63. **Activities of the Guidance and Counselling unit**
64. **Placement services provided to students** - The students are sent for summer internship after Semester II and the Placement cell looks after their employability after the completion of the course.
65. **Development programmes for Non-teaching staff** – Orientation programs are conducted by the administrative staff
66. **Good practices of the institution**
67. **Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year**
68. **Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)**
69. **Outcomes achieved by the end of the year (attach separate sheet, if required)**
70. **Plan of action for the next year (attach separate sheet, if required)**
71. **Any other relevant information the Institution / University / Department wishes to add.**

1. **Name of the Department** : Environmental Science
2. **Year of establishment** : 2011
3. **Is the Department part of a School/Faculty of the University?**
Yes it is the part of the '**School of Earth Science**'
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
The following programs are offered by the Department:
 1. Integrated M.Sc. Environmental Science (B.Sc-M.Sc.)
 2. M.Sc. Environmental Science
 3. Ph.D.
5. **Interdisciplinary programmes and Departments involved:**
The students of the Department take the courses of following Departments under Choice Based Credit System:
 1. Department of Social Works
 2. Department of Public Policy Law and Governance
 3. Department of Architecture
 4. Department of Mathematics
 5. Department of English
 6. Department of Computer Science
 7. Department of Economics

The Department of Environmental Science offers courses of Environment to the students of following Departments under Choice Based Credit System:

 1. Department of Economics
 2. Department of Chemistry
 3. Department of Physics
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
The Department has Not started collaborative courses with other University, institutions and with industries. However, the students from Uppsala University Sweden visited the Department for completing short term project on Luni River Basin of Rajasthan.
7. **Details of programmes/courses discontinued, if any, with reasons**
No program/course has been discontinued so far by the Department.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Semester system is followed for all the programmes.

9. Participation of the Department in the courses offered by other Departments.

Through Bridge course and credit course system students are encouraged to take courses in the Department Economics, English, Computer Science, Social Work, Public Policy Law and Governance, Architecture and Mathematics

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Name of the Position	Sanctioned	Filled
Professor	1	1
Associate Professors	2	0
Asst. Professors	4	3+2+1=6

- 3 Assistant Professors (permanent)
- 2 Assistant Professors (Temporary, In place of 2 Associate Professors)
- 1 Assistant Professor (Temporary, in place of 1 Assistant Professor)

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience (Teaching/others)	No. of Ph.D. students guided for the last 4 years
Prof. K. C. Sharma	Ph.D	Professor	Ecology and Biodiversity, EIA	40	5
Dr. Devesh Sharma	Ph.D.	Assistant Professor	Water Resources Management	9	4
Dr. Garima Kaushik	Ph.D.	Assistant Professor	Environmental BioTechnology	8	4
Dr. Ritu Singh	Ph. D.	Assistant Professor	Nanoparticle synthesis, Nano-remediation, Waste Water Treatment	1.8	-
Dr. Dharam Pal Singh	Ph. D.	Assistant Professor	Atmospheric Chemistry	7	-
Dr. Alok	Ph.D	Assistant	Biogeochemist	2	-

Name	Qualification	Designation	Specialization	No. of Years of Experience (Teaching/ others)	No. of Ph.D. students guided for the last 4 years
Kumar		Professor	ry & Hydro geochemistry		
Dr.Sanjeev Kumar	Ph.D	Assistant Professor	Soil Chemistry	0.4	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (Guest faculty)

The Department organizes special lectures and eminent scholars/Visiting Fellows from different organizations/institutes are invited time to time.

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution
1	Prof. V.K. Jain	Atmospheric Science	Jawaharlal Nehru University
2	Prof. P.P. Bakre	Toxicology	Mahatma Gandhi Institute of Science and Technology, Jaipur
3	Dr. Sanjay Palnitkar	Waste Management	Environmental Consultant, Jaipur
4	Dr Ilias G. Pechlivanidis & Mr. Kean Foster	Climate Change Modelling	SMHI, Sweden
5	Prof. M.K. Jyoti,	Environmental Science	Central University of Jammu
6	Prof. J.A.K Tareen	Environmental Geology	Pondicherry University
7	Prof. Suresh Jain	Natural Resources	TERI, New Delhi
8	Prof. Brij Gopal	Wetland and Their Management	Jawaharlal Nehru University
9	Dr. V P Dhulap	Environmental Science	Sholapur University
10	Prof. M. K. Pandit	Geology	University of Rajasthan
11	Dr. Jonas Olsson	Climate Change Modelling	SMHI, Sweden
12	Dr. Juan Fransisco	Environmental BioTechnology	UANL, Mexico
13	Dr. Nirvikar Dashora	Atmospheric science	National Atmospheric Research Laboratory, Tirupati

13. Percentage of classes taken by temporary faculty – programme-wise information**Integrated M.Sc. / M. A.:**

M.Sc. Environmental science 40%

Integrated M.Sc. Environmental Science: 33%

Ph.D. Environmental Science: 20%

14. Programme-wise Student Teacher Ratio:**Integrated M.Sc./ M. A.:****M.Sc. /M. A.:**

S. No.	Course	No. of Students	No. of Faculty	Ratio
1	M.Sc. (Two Sem)	50	7	7:1
2	M. Sc. Integrated	425	7	60:1
3	Ph.D.	10	3	3.33:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff Positions	Sanctioned	Filled	Actual
Lab Assistant	1	1	1
Lab Attendant	1	1	1

16. Research thrust areas as recognized by major funding agencies

The Department has identifies the following thrust areas of research:

1. Climate Change, Water security and water Quality
2. Environmental BioTechnology
3. Air pollution and Atmospheric Chemistry, Aerosol and their chemistry
4. Ecology and Biodiversity
5. Nanoparticle based Environmental Clean up technologies
6. Soil Quality Management, Slow Release Fertilizers, Phytoremediation
7. Biogeochemistry, Hydrogeochemistry, Waste management, Biomarkers

The funding agencies have provided grants on the following thrust areas of research:

1. Climate Change, Water security and Water-energy nexus
2. Environmental BioTechnology

3 Nanoparticle based Environmental Clean up technologies

17. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Prof. K. C. Sharma Assessment of Climate Change Impacts on Water Resources in the Luni River Basin, Rajasthan, India, using CORDEX results (Collaboration with SMHI, Sweden)	SMHI/SIDA International	1.6 Crores (Jointly with Collaborators of SMHI Sweden.
Dr. Devesh Sharma 1. Assessment of Climate Change Impacts on Water Resources in the Luni River Basin, Rajasthan, India, using CORDEX results (Collaboration with SMHI, Sweden) 2. Developing an operational water security index, and demonstrating its application in diverse regions of Asia 3. Assessment of Climate-Induced Long-term Water Availability in Ganges Basin and Impacts on Energy Security in South Asia 4. Assessment of climate change impact on water availability using improved climate change scenarios- A case of Banas river basin, Rajasthan	SMHI/SIDA (International) APN (International) IGES, Japan (International) UGC (National)	1.6 Crores (Jointly with Collaborators of SMHI Sweden. 40,000 USD (Jointly with AIT, Thailand & WRU, Vietnam 40,000 USD (Jointly with IGES, Japan, IWFM, Uni. of Engineering and Technology (Bangladesh), CREEW (Nepal) 6 lakhs
Dr. Garima Kaushik Optimization of process parameters for improved microbial degradation and decolourization of textile industry wastewater in Rajasthan	UGC National	6 lakhs
Dr. Ritu Singh Remediation of heavy metal contaminated water using zerovalent iron Nanoparticles	UGC (National)	6 lakhs

18. Inter-institutional collaborative projects and associated grants received:

Associated Faculty	Collaboration	Collaborator Grants received
Dr. Dharampal Singh	NIO, Goa, NPL, New Delhi	-

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

NIL

20. Research facility / centre with

state recognition Nil

national recognition Nil

international recognition Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

- Number of papers published in peer reviewed journals (national / international)
- Monographs
- Chapters in Books Edited Books
- Books with ISBN with details of publishers
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- H-index

Faculty	Paper with Peer review	Monographs	Edited/ Authored Books	Chapter in Books	Citation	Impact Factor	H-Index
Prof. K. C. Sharma	8	1		7	40	0-3.5	3
Dr. Devesh Sharma	9		1	3	155	0-4.2	5
Dr. Garima Kaushik	10		1	1	54	0.5-5	4

Ritu Singh	9	1		3	106	1.3-5.2	4
Dharam Pal Singh	19			2	187	0.93-4	7
Dr. Alok Kumar	9		1	4	16	0-2	2
Dr. Sanjeev Kumar	13	8		2	24	0-3.2	4

23. Details of patents and income generated

Nil

Sl. No.	Concerned Faculty	Patent Status	Income Generated

24. Areas of consultancy and income generated

Nil

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

S. No.	Name	National	International
1	Prof. K. C. Sharma	Quality Reforms for Sustainable Development". Organized by Operational Research Society of India, Ajmer. 31 st March 2013 International Seminar & Award ceremony on Eco-tourism Development Prospectus in Rajasthan. SANCH Foundation, 30-31 December, 2012	.
2	Dr. Devesh Sharma	South Asia CORDEX" at Indian Institute of Tropical Management, Pune, 17-20 th October 2012 Training and Workshop on Promoting Water Use Efficiency in Industry and Building to Address Climate Change, CII, 26. 4. 2013	Integrated Water Resources Management for Drought Risk Management, Nairobi, 10-14 th September 2012 South Asia CORDEX" at ICIMOD, Kathmandu, from 27-30 th August 2013 Attended project inception meeting at

S. No.	Name	National	International
			Asian Institute of Technology, Thailand 24th January 2015Thailand Attended project workshop at Thuyloi University, HaNoi, Vietnam on 27th May 2015
3	Dr. Garima Kaushik	Training and Workshop on Promoting Water Use Efficiency in Industry and Building to Address Climate Change, CII, 26. 4. 2013	Global Biofuels and Bioproducts Summit, San Antonio, Texas, U.S.A. November 19-21, 2012 Laboratory of environmental BioTechnology, Narbonne Winery-2013, Narbonne, France, 25-31 May, 2013
4.	Dr. Ritu Singh	33rd Annual Session of The Academy of Environmental Biology and International Conference on Biosciences with Special Reference to Environmental Issues (ICBEI-2013),	
5	Dharam Pal Singh		Entech Instruments, Simi Valley, CA, USA, 3rd-7th, October 2011 Applied Spectra, San Jose, CA, USA, 10th-14th October 2011

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)**

S. No.	Concern Faculty	Committee/ Journal	Membership Status
1	Prof. K. C. Sharma	<ul style="list-style-type: none"> Indian Association of Environmental management National Institute of Ecology Green Earth Foundation Journal of Current Bioscience Indian Journal of Environment and Ecoplanning Bioscience Reporter Nature Environment and Pollution Technology 	Life Member and Fellow NIE and IAEM Editorial Board member/advisor of three journal
2	Dr. Devesh Sharma	<ul style="list-style-type: none"> The Association of Hydrologists of India (Life) SaciWATERs-CapNet Network (SCaN) CEED Asia 	Life member Member Member
3.	Dr. Garima Kaushik	<ul style="list-style-type: none"> The Biotech Research Society , India International Journal of Environment and Bioenergy American Journal of Current Microbiology 	Life member
4.	Dr. Ritu Singh	<ul style="list-style-type: none"> J NaNoscience, NaNoengineering and Application J Water Pollution and Purification Research Professor H S Srivastava Foundation for Science and Society Society for Science of climate change and Environment Academy of Environmental Biology 	Editorial Board Member Editorial Board Member Life member Life member Life member
5.	Dr. Alok Kumar	<ul style="list-style-type: none"> Professor H S Srivastava Foundation for Science and Society Indian Association of Sedimentology Indian Association of Hydrologists 	Life member
6	Dr. Sanjeev Kumar	<ul style="list-style-type: none"> Professor H S Srivastava Foundation for Science and Society Society for Science of climate change and Environment Indian Science congress 	Life Member

S. No.	Concern Faculty	Committee/ Journal	Membership Status
		<ul style="list-style-type: none"> • Physiology and molecular biology of Plants • Climate change and sustainable environment • Kahaar 	

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Orientation program of UGC Academic Staff College was attended by:

- i. Dr. Devesh Sharma
- ii. Dr. Garima Kaushik
- iii. Dr. Ritu Singh

28. Student projects

- **Percentage of students who have done in-house projects including interDepartmental projects** 100%
- **Percentage of students doing projects in collaboration with other universities / industry / institute.** 0%

29. Awards / recognitions received at the National and International level by

- **Faculty**
 - i. Dr. Ritu Singh awarded with 'Young Scientist Award' by Dalela Education Foundation and Academy of Environmental Biology in Dec. 2013.
 - ii. Dr. Sanjeev received recognition award of significant contribution in academic activity of BBAU, LuckNow in 2014.
 - iii. Dr. Alok Kumar received NAMS&T-ZMT Bremen fellowship award, 2012.
- **Doctoral / post doctoral fellows** Nil
- **Students**

Four students received DST Rajasthan Student Project, which are as follows:

- i. Jeky Chanwal (Batch 2012-2014)
- ii. Shivangi (Batch 2013-2015)
- iii. Avyakt Pathak (Batch 2013-2015)
- iv. Nishant Verma (Batch 2013-2015)

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conference/ Workshop	Source of Funding	National/ International
Climate Change: Adaptation and Mitigation for Sustainable Development, 10-11 Oct., 2011	CURAJ	National
Stakeholder workshop 6 Nov. 2013	SIDA	International
National Workshop on climate change and adaptation (7-8 Nov. 2013)	SIDA	International
Stakeholder Workshop On water Security (10 March 2015)	APN	International
Harnessing of Climate –Water-Energy Nexus for resource security in the Ganga River Basin (30 April, 2015)	APN	International

31. Code of ethics for research followed by the Departments

Code of ethics in research and working are properly followed by the Department. The students of the Department has formed an Environmental Awareness Society 'Navsrijan' which organizes the Green Fest in the campus and also aware the students and nearby villagers about environmental issues like water conservation, waste management. The society has organised:

1. Forest Day
2. Ozone Day
3. Water Day

Plagiarism in research publications:

The University has procured software to check plagiarism. Research ethics are been followed by the Department. Individual teachers also see that the articles sent by the students should be the original work of the student.

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M.Sc. (Integrated)					
2013-14	93	17	9	-	-
2014-15	134	13	12	-	-
M. Sc.					
M. Sc.(2011-2013)	314	14	6	100	100
M. Sc.(2012-2014)	247	11	13	90.9	100

M. Sc.(2013-2015)	124	15	10	-	-
M. Sc.(2014-2016)	496	15	9	-	-
Ph.D.					
2012-13	55	2	1	-	-
2013-14	100	2	3	-	-
2014-15	17	2	1	-	-

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.Sc. (Integrated)				
2013-14	0	84	16	-
2014-15	0	65.38	34.61	-
M. Sc.				
M. Sc.(2011-2013)	0	70	30	-
M. Sc.(2012-2014)	0	58.33	41.66	-
M. Sc.(2013-2015)	0	40	60	-
Ph.D.				
2012-13	0	66.66	33.33	-
2013-14	60	60	40	-
2014-15	0	0	100	-

* Data Not available with the Department Now.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

Integrated M.Sc./M. A.:

Batch 2013- 2018: NA

Batch 2014- 2019: NA

M.Sc. / M. A.:

Batch 2011-2013

CSIR-NET JRF Exam : 2

CSIR-NET Exam : 2

UGC-NET JRF : 3

UGC- NET : 2

ICAR- ASRB NET : 3

SET exam : 1

GATE : 2

Batch 2012- 2014

CSIR – NET JRF Exam : 1

CSIR- NET Exam : 1

Batch 2013- 2014 : None

Name of the student	Gender		Category		Competitive Exam Qualified
	Male	Female	General	SC ST OBC	
Anshuman Gunawat	Male		ST		CSIR-UGC NET-JRF, GATE
Manish Beniwal	Male		OBC		CSIR-NET
Manoj Kumar Saini	Male		OBC		UGC-NET, GATE
NitikaMundetia	Female		SC		UGC-NET-JRF, CSIR-NET, ICAR-ASRB NET
Pankaj kumar Gupta	Male		OBC		UGC-NET-JRF, CSIR-NET-JRF, ICAR-ASRB NET
Shashi Ranjan	Male		General		UGC-NET JRF
Kritika Sharma	Female		OBC		ICAR-ASRB NET, RPSC-SET
Gini Rani	Female		SC		UGC- NET

Batch 2012-2014

Jeky Chanwala	Male	General	CSIR- NET
Mohd. Issa Barwi	Male	ST	CSIR- NET JRF

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Nil
PG to M.Phil	14.16
PG to Ph.D	34.16
Ph.D to Post-Doctoral	Nil
Employed • Campus Selection • Other than campus recruitment	40
Entrepreneurs	5

Student progression	Percentage against enrolled
UG to PG	
PG to M.Phil	2011-13: 2, 2012-14:1
PG to Ph.D	2011-13:6, 2012-14:1
Ph.D to Post-Doctoral	
Employed	

• Campus Selection • Other than campus recruitment	2011-13:3, 2012-14:6, 2013-15:1
Entrepreneurs	2011-13:1, 2013-15:1

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	Nil
From other universities within the state	1
From universities from other states	5
From universities outside the country	1

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

Following two faculty members were awarded Ph.D. degree during assessment period:

1. Dr Ritu Singh
2. Dr. Dharam Pal Singh

38. Present details of Departmental infrastructural facilities with regard to

a) Library:

Central Library has subscribed latest books and reference books required for PG Studnets. Multiple copies of important books for students of UG classes are also procured in the Central Library.

b) Internet facilities for staff and students:

1GBPS connectivity is available to students and faculty. The campus is Wi Fi

- | | |
|----------------------------------|---|
| c) Total number of class rooms | 2 |
| d) Class rooms with ICT facility | 2 |
| e) Students' laboratories | 3 |
| f) Research laboratories | 1 |

39. List of doctoral, postdoctoral students and Research Associates

- | | |
|--|------------------|
| a) From the host institution/University: | 3 Ph.D students |
| b) From other institutions/universities: | 7 Ph.D. Students |

40. Number of post graduate students getting financial assistance from the University.

First three in the merit from each class (Sem) are getting Rs 1000/- per month from the University. So total 12 scholarships (6 Integrated M.Sc.- Two Sems + 6 M.Sc.Two Sem) are provided to the Students of Environmental Science Department.

Every Ph.D. Student who is Non-NET-JRF/SRF is getting Rs 8000/- pm scholarship from the University.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes! Department perform the exercise for development of new programme. It participates in brain Storming Session organized by the University while planning of new courses. The experts also invites in the session. The syllabus is prepared by the committee of experts and it is sent to more experts/subject teachers in other universities for comments and suggestions. Their suggestions are incorporated by the committee and then placed before the Academic Council for approval.

42. Does the Department obtain feedback from:

Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?

The Department take feedback on the curriculum from students/teachers and other stakeholders. The Department is going to update the syllabus of M.Sc. Environmental Science after three batches since 2011. For this purpose, the feedback taken from the students and teachers will be utilized.

For feedback on teaching-learning-evaluation, the Head of the Department holds meetings and matters related to teaching and learning and evaluation are discussed. A common pattern of question papers has been designed for proper evaluation.

Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?

Yes, It is taken through Centralized system of the University. The feedback is used in improving the teaching and learning. The students give their online feedback on teachers quality, teaching and on related parameters. The online feedback directly submitted to Vice Chancellor who interacts with the concerned faculty if feedback is Not found satisfactory.

Alumni and employers on the programmes offered and how does the Department utilize the feedback?

Yes, the feedback is also taken by alumni (pass out students) and used for improvement. A proper counselling is provided to guide the students before sending them for summer training.

43. List the distinguished alumni of the Department (maximum 10)

The Department is new and in process to enlist the alumni who has joined different jobs. Many students has joined Ph.D. programmes. Some of the alumni are listed here:

S. No.	Students's Name	Occupation/Profession
1	Manish Beniwal	2 nd Grade Gov. Teacher
2	Manoj Saini	Self Business

S. No.	Students's Name	Occupation/Profession
3	Jitendra Prajapat	Entrepreneur
4	Jai Prakash	J.M. EnviroNet Pvt.Ltd
5	Pankaj Gupta	Ph.D.
6	Bashrat Hamid	Ph.D.
7	Anshuman Gunawat	Ph.D.
8	Shashi Ranjan	Ph.D.
9	Nitika Mundetia	Ph.D.
10	Kritika Sharma	Ph.D.
11	Binita Kumari	Ph.D.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Expert lectures conducted by

- Prof. V.K. Jain (Jawaharlal Nehru University)
- Prof. P.P. Bakre (Mahatma Gandhi Institute of Science and Technology, Jaipur)
- Dr. Sanjay Palnitkar (Environmental Consultant, Jaipur)
- Dr Ilias G. Pechlivanidis & Mr. Kean Foster (SMHI, Sweden)
- Prof. M.K. Jyoti, Central University of Jammu
- Prof. J.A.K Tareen (Pondicherry University)
- Dr. Juan Fransisco, UANL, Mexico
- Advance training course on GIS and Remote sensing by NIIT-GIS
- Training on fluoride and nitrate estimation in water
- Prof. Brij Gopal (Jawaharlal Nehru University)
- Dr.V P Dhulap (Solapur University Solapur)

45. List the teaching methods adopted by the faculty for different programmes.

The teaching methods adopted by the Department are:

1. ICT use, PowerPoint presentations
2. Classroom teaching,
3. Demonstration methods,
4. Classroom seminars/discussions and Quizes
5. Field visits
6. Dissertation/Project work

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

Learning outcomes of students are monitored through periodical tests, seminars, Discussions, quizzes etc. The students from rural background are specially monitored by the individual faculty.

47. Highlight the participation of students and faculty in extension activities.

The students participate in community services by celebrating important days like:

1. World Environment days with the local communities outside the University Campus.
2. World Water Day
3. World Forest Day
4. Ozone Day
5. Devoting days for "Plastic Free campus" campaign.

48. Give details of "beyond syllabus scholarly activities" of the Department.

Establishment of Student Club, run by the students namely NAVSRIJAN for promoting enviro-friendly activities in and outside the Campus

Some of these activities are

- Community and Neighbourhood Services (Awareness programmes related to water management, environmental protection)
- Mundoti Primary School
- Bandarsindri High School
- Mundoti Village
- Skits and Quiz programmes for spreading awareness regarding ozone protection, water conservation and plastics usage among University students
- Campaign for 'Plastic Free Campus'
- Celebration of World Ozone Day (Organized Quiz and poster making competition) on 16th September 2012 & 2013
- Celebration of World Forest Day/ World Water day on 22nd March 2013 & 2014
- Celebration of World Wildlife Week on 1st October 2013
- Celebration of Earth Day on 22nd April 2014
- Celebration of Aahwan on 15th to 17th April 2015

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details. NA

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.

Updating the syllabi, with introducing advancing topics on environmental basic and applied sciences Field visit conducted by the Department for making the students aware about applied environmental science

51. Future plans of the Department.

1. Upgradation of Laboratory Infrastructure,
2. Generating funds from National and International funding agencies,
3. Collaboration and student exchange programs with National and International organizations /universities
4. Establishment of Centre of Desert Studies

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strength :

1. Research Oriented Faculty specialized in different core areas of environment
2. Good laboratory infrastructure of Remote Sensing and GIS, Automatic Air monitoring and weather station, Air, Water and Soil Analytical laboratory
3. Interdisciplinary and Integrated curriculum with CBCS

Weakness :

1. Shortage of technical staff.
2. Some faculty is on temporary basis
3. Proper space for research labs

Opportunities

1. Location is suitable for study of regional environment
2. Can develop linkage with marble industries
3. Can be a prominent centre of desert studies

Challenges

1. To develop the Linkage with Industry
2. To cater the students of high calibre
3. To retain the good faculty as the University is in the rural setup

53. Activities reflecting the goals and objectives of the institution:

The motto of the University is 'Education for Sustainable Development' As such courses/curricula of the Department were planned accordingly. The stress has been given of topics courses on issues like climate change-adaptation and mitigation, water security and pollution, Energy and environment, desertification and control. As per the climate change agenda and National Policy on Environment, the topics of priority areas were included in the curriculum.

54. Examination reforms implemented:

Best practices related to examination and evaluation is adopted by the University. These are:

1. Setting of Question Paper and its moderation. The QP is uploaded on the University website after examination.
2. QP comprised of Objectives, short answered and long answered questions.
3. Answer sheets are evaluated and shown to students
4. Dissertations are evaluated in terms of Content, presentations and Viva voce.
5. Continuous evaluation is being followed

55. Community services

The Department organizes activities for community services through Celebrating important environment days with the neighbouring communities and school children and making them aware about the importance of nature and natural resources.

56. Unit cost of education

NA

57. Computerization of administration and the process of admissions and examination results, issue of certificates

The admissions are made as per the University guidelines. Similarly, examination results and certificated are issued by the Controller of Examinations of the University.

58. Activities and support from the Alumni Association

An Alumni Association at the University level is registered and its meetings are held annually.

59. Activities and support from the Parent-Teacher Association

There is No formal Parent-Teacher association is formed. However, a preliminary feedback is taken from the parents of the students at the time of admission. The parents also interact with Head of the Department and other faculty members whenever they visit the University and their wards.

60. Health services:

The University has a Health Centre with qualified doctor and other supporting Staff. The University provides cashless health facility where the students can also tak treatment form other prominent hospitals of Kishangarh and Ajmer

61. Performance in sports activities

Students of the Department have participated in the University sports and interUniversity sports and games.

- Mr. Manoj Kumar Saini: won the three gold medals in the University athletic event in 100 m, 200 m, 400 m and declared best athlete of the year.
- Mr. Manoj Saini: captain of cricket team (CURAJ) in west zone cricket tournament which held in M.S. University, Vadodara, Gujarat, in Dec. 2012
- Mr. Manoj Kumar Saini: Captain in 73rd All India Athletic Meet which held in Kalyani University, Kalyani (West Bengal)
- Ms. Binita Kumari: Captain of CURAJ Volleyball team in West zone Volleyball Tournament which organized by Amrawati University, Maharashtra.
- Mr. Virendra Singh and Mr. Mohd Jawad participated in West Zone Inter University Cricket Tournament at MSU Baroda.
- Mr. Virendra Singh Participate in National Athletics Meet 2013 at Kalyani University(WB)
- Mr. Jeky chanwala Participate in West Zone Inter University Badminton tournament at RTU, Kota.
- Mr. Shashi Singh and Ms. Kanchan participated in West Zonal Meet of Handball held at Rajasthan University.
- Mr. Shashi awarded 1st in Green Marathon organized by Department of Chemistry, CURAJ.
- Mr. Jeky chanwala Participate in West Zone Inter University Badminton tournament at RTU, Kota.
- Mr. Shashi Singh and Ms. Kanchan participated in West Zonal Meet of Handball held at Rajasthan University.
- Mr. Shashi awarded 1st in Green Marathon organized by Department of Chemistry, CURAJ.
- Ms. Ankita Singh, participated in West Zonal Chess Tournament (AIU) held at Rahuri, Maharashtra.

62. Incentives to outstanding sportspersons:

The University Sports Committee and DSW recommend the awards/prizes to students showing participation/outstanding performance in sports and games. Outstanding students in sports get admission in courses of the University above the allotted seats for that programme.

63. Activities of the Guidance and Counselling unit:

The whole Department provides counselling and career guidance at the time of admission and one faculty is incharge for placement of outgoing in coordination with other faculties of the Department. There is a Career Counselling Cell of the University which organises the career fest in the University.

64. Placement services provided to students

A formal placement services are provided to students. The teachers help the students for CV preparation. The University also organizes Mega Placement Fairs for all the Departments. The officials from reputed companies/organizations are invites.

65. Development programmes for Non-teaching staff

The University is new and Development programmes for Non-teaching staff are to be taken up by the University

66. Good practices of the institution

There are good practices are being followed by the University as whole. Some of these are:

1. University motto is 'Education or Sustainable Development' and accordingly different courses planned by the University focus on Sustainable Development.
2. Admissions through all India level entrance test (CUCET)
3. Choice Based Credit System
4. Development of campus on Green Building concept.
5. Low fee structure so that provided opportunity of quality education to students from weaker sections of the society.
6. Transparent evaluation system
7. Online Feedback on teachers by students
8. Water harvesting, solar energy use, waste management, waste water recycling, green campus free from plastics, plantations
9. Various clubs and associations being run by the students

67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year

NA

68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)

Planned academic audit of the Department as per the directions of Vice Chancellor

69. Outcomes achieved by the end of the year (attach separate sheet, if required)

Academic audit was helpful in identification of strength and weaknesses of the Department.

70. Plan of action for the next year (attach separate sheet, if required)

1. PG Program –M.Sc. in Petroleum Geology (other Department in the School)

2. Procurement of high-tech instruments
3. Collaboration with Industries and NGOs
4. Developing short courses on Environment under CBCS (transferable credits to other streams)
5. Collaborative Research Projects, National/ International

71. Any other relevant information the institution / University / Department wishes to add.

1. The Department has set up an automatic Air Quality monitoring and Weather Station. The Department is providing data on SO_x, NO_x, O₃, HC and climatic data to researchers and other stakeholders.
2. The Department has also created infrastructure related to Remote Sensing and GIS studies.
3. Recently the Department has procured Ion Chromatographs for advance analyses of water and air samples particularly the ionic strength of samples.
4. In view of ongoing research projects and faculty interests, the Department is planning to establish the 'Centre for Desert Studies'.

1. **Name of the Department** : Hindi
2. **Year of establishment** : 2011
3. **Is the Department part of a School/Faculty of the University?**
Yes, The Department comes under the School of Humanities and Languages
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)**
PG Hindii Ph.D. Hindi
5. **Interdisciplinary programmes and Departments involved**
Presently there are some audit courses in each semester of M.A. so that other Departments can opt the course and hindi Department students can also opt any one course from other Departments. It promotes interdisciplinary research interest in the students. Department is also planning for an interdisciplinary research with Department of English.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
None
7. **Details of programmes/courses discontinued, if any, with reasons**
No
8. **Examination System: Annual / Semester / Trimester / Choice Based Credit System**
Semester & Choice Based Credit System
9. **Participation of the Department in the courses offered by other Departments.**
No
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):**
07

Name of the Position	Sanctioned	Filled
Professor	01	01
Associate Professor	02	01
Assistant Professor	04	04

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Prof. Ram Lakhan Meena	M.A., M.Phil., Ph.D.	Professor	Language, Linguistics, Applied Linguistics, Transformational Generative Grammar, Dialect Geography, Translation, Media.	15	02
Dr.Lakshmi Aiyar	M.A., M.Phil., B.ed.,NET, PGDFHT, Ph.D.	Associate Professor	Comparative literature	13	02
Dr.Mamata Khandal	M.A.,PGDT, NET, Ph.D.	Assistant Professor	Modern poetry, Post modernism, Comparative literature	13	-
Dr. Jitendra Kumar Singh	M.A.,PGDNLP, NET, Ph.D.	Assistant Professor	Linguistic, Language Technology & literary criticism	09 (Research Experience)	03
Dr. Suresh Singh Rathore	M.A., M.Phil., SLET, Ph.D.	Assistant Professor	Lok sahitya, Katha sahitya,	12	-
Dr. Sandeep Vishwanathrao Ranbhirker	M.A., M.Phil., Ph.D., SET, NET	Assistant Professor	Bhakti literature, Modern Hindi literature, women studies	09	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

N.A

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution

13. Percentage of classes taken by temporary faculty – programme-wise information

M.A : Hindi

Academic Calendar Year 2014- 2015 100 % classes

Ph.D. Hindi:

Academic Calendar Year 2014- 2015 100 % classes

14. Programme-wise Student Teacher Ratio:

M.A. Hindi: Students: Teacher = 42: 7 (As on September 2013)

Ph.D. Hindi: Students: Teacher = 42: 7 (As on September 2013)

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff Positions	Sanctioned	Filled	Actual
Technical	0	0	0
Administrative	0	0	0

16. Research thrust areas as recognized by major funding agencies

No

Sl. No.	Thrust Area	Recognizing Funding Agency/ ies

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise.

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Prof. Ram Lakhan Meena : Dialect Geography of Rajasthan- Survey	UGC	525000/-

18. Inter-institutional collaborative projects and associated grants received:

N.A.

Associated Faculty	Collaboration	Collaborator Grants received

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

N.A.

20. Research facility / centre with

- **State recognition** No
- **National recognition** No
- **International recognition** No

21. Special research laboratories sponsored by / created by industry or corporate bodies

No

22. Publications:

Publications by the Faculty:

1. Functional Media Discourse: Theory and Implementation, KK Publication, New Delhi.
2. Dialect Geography of Rajasthan, KK Publication, New Delhi.
3. Theoretical and Practical Aspect of Communication Competence, KK Publication, New Delhi.
4. Functional Hindi: Srijan Evam Samiksha-, KK Publication, New Delhi.
5. Anuwadiki (Scientific Study of Translation): Principle and Implementation, Siddhi Vinayak Publication, Sawai Madhopur, Rajasthan.
6. Jansanchariki (Scientific Study of Mass Communication): Principle and Implementation, Siddhi Vinayak Publication, Sawai Madhopur, Rajasthan.
7. Media Vimarshh: Theory and Implementation, Kalpana Publication, Delhi.
8. Dr. Jitendra Kumar Singh, Sant Kaviyitriyon Ki Sanvedana Aur Rachanadharmita, Page-127-132, vol. 8, July-Dec 2014, Ananya, Varanasi, UP, ISSN 2250-1207.
9. Dr. Jitendra Kumar Singh, Purush Kendrit Hindi Cinema Mein Nari Samsyayan, Page-68-74, Vol.-3 issue-2 July-Dec, 2014, 'Sahitya Vimarsh', Varanasi, U.P. ISSN 2319-9008.
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12. Dr. Jitendra Kumar Singh, Pragatisheel Evam Rasvadi Samikshak Dr. Nagendra: Ek Adhyayan, Page-13-15, Combined issue-18-19 April-September, 2014, 'Nootan Vagdhara', Banda, U.P. ISSN 0976-092X.
13. Dr. Jitendra Kumar Singh, Bhaktikal Aur Lokmangal, Page-29-31, Vol. 7, 15 October, 2014, Nagri Patrika, Varanansi, UP, ISSN 2348-0750.
14. Dr. Mamta Khandal, "Teaching English For Globalization: Problems And Perspectives", Expanding Words, Shrinking Worlds: Globalization

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 18. Dr. Mamta Khandal, Strivadi Chintan Ki Kavayitri: Mahadevi, Page-01-04, Vol. 03, issue-01, Part-02 Jan-Feb 2015,'Creative Space: International Journal', Junagadh, Gujarat. ISSN 2347-1689
 19. Dr. Suresh Singh Rathore, Nai sadi men sahity Aur Samaj ka Vanchit Vimarsh(Kinnaron ke vishesh sandarbh men), Shodh shree, Year 4, Vol.III, ISSN 2277-5587, 72-74, July-sep.2014, Jaipur
 20. Dr. Suresh Singh Rathore, Yadvendra Sharma 'Chandra' Ki Kahaniyon men stri-purush sambandh, Akshar Varta, Year 10, Vol.XII, ISSN 2349-7521, 07-10, September 2014, Ujjen(M.P)
 21. Dr. Suresh Singh Rathore, Hindi Upnyason men Badalte Jiwan muly, Research Reinforcement, Year 2, Vol.I ISSN 2348-3857, 142-146, May-Oct,2014, Jaipur.Raj.
 22. Dr. Suresh Singh Rathore, Samaj aur Sanvedana ke Nikash par sahity, Sanskriti sodh sandesh, Year 3, Vol.11 ISSN 2394-1022, 76-80, Nov.-Jan.1015, Nagour (Raj).
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 24. Dr. Sandeep Ranbhirker, Adhunik stri samasyayen aur stri lekhan, 52-58, Jan-2015, Samvet, Udaipur, ISSN 2321-6131
 25. Dr. Sandeep Ranbhirker, Hindi Cinema Ki Nayika, 24-28, Jan-March 2015, Himakshara, Vardha, ISSN 2348-8271
 26. Dr. Sandeep Ranbhirker, Stri Vimarsh aur mahila katha sahitya, 12-17, Jan-Feb, Creative Space, Vol.03, Issue 01, Junagarh, ISSN 2347-1689
 27. Dr. Sandeep Ranbhirker, Stri vimarsh chintan banaam srujan, 13-17, Dec-2014, "Asmita" Published by K.R.M. College, Nanded ISBN 978-93-80393-38-4
 28. Dr. Sandeep Ranbhirker, Darakate pati patni sambandh aur mahila katha sahitya, 83-88, Dec-2014, "Bharatiy sahitya aur kutumb" Published by Akhil Bharatiy sahitya parishad, Ganganagar, ISBN 978-81-92857-73-2

23. Details of patents and income generated N/A

Sl. No.	Concerned Faculty	Patent Status	Income Generated

24. Areas of consultancy and income generated No**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad** No**26. Faculty serving in****a) National committees b) International committees c) Editorial Boards d) any other (please specify)**

Sl. No.	Concern Faculty	Committee/ Journal	Membership Status
1.	Prof. Ram Lakhan Meena	Course Materials Design for foreigner Hindi Teaching Scheme	Editorial Board
2.	Prof. Ram Lakhan Meena	Course Materials Design for foreigner Hindi Teaching Scheme	Advisory Editor

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Sr. No	Name of the faculty	Academic Staff College	Course	Duration
1	Dr. Jitendra Kumar Singh	Jai Narayan Vyas University, Jodhpur, Rajasthan	Orientation Course	16/12/2013 to 11/01/2014
2	Dr. Mamata Khandal	University Of Allahabad.	Refresher Course	1/09/2014 to 21/09/2014.
3	Dr. Suresh Singh Rathore	ASC University Of Rajasthan	Orientation Course	16/6/14 to 05/07/14
4	Dr. Sandeep Ranbhirkar	ASC University of Rajasthan, Jaipur	Orientation Course	14/02/2011 to 12/03/2011
5	Dr. Sandeep Ranbhirkar	ASC Kumaun University, Nainital	Refresher Course	22/04/2013 to 11/05/2013
6	Dr. Sandeep Ranbhirkar	ASC Maulana Azad National Urdu University, Hyderabad	Refresher Course	05/01/2015 to 25/01/2015

28. Student projects No

29. Awards / recognitions received at the National and International level by faculty Members:

Name of the faculty	Award received	Event (with date) in which award was received	National / International
Dr. Jitendra Kumar Singh	Vidya Sagar	Vikramshila Hindi Vidyapith, Ishupur, Bhagalpur, Bihar on 13 Dec 2011	National
Dr. Jitendra Kumar Singh	Bharat Gaurav	Vikramshila Hindi Vidyapith, Ishupur, Bhagalpur, Bihar on 13 Dec 2013	National
Dr. Sandeep Ranbirker	Rajarshi Shahu Maharaj National Teacher Award	on 20 January, 2013 by Babu Jagjeevanram Kala, Sanskriti aur sahitya academy, New Delhi	National
Dr. Sandeep Ranbirker	Sahitya Sevi Samman	On 12 January, 2014 by Tamilnadu Hindi Sahitya Academy, Chennai	National
Dr. Sandeep Ranbirker	Indira Gandhi Rajbhasha Puraskar 2014	by Department of official Languages, Govt. of India from The Hon'ble President of India, shree Pranab Mukherjee on 14 September, 2014 at Rashtrapati bhavan, New Delhi	National

- **Doctoral / post doctoral fellows** None
- **Students** None

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conference/ Workshop	Source of Funding	National/ International
One week National Workshop on Language Technology	LDC-IL, Central Institute of Indian Languages, Mysore	National
Workshop on Teaching/ Evaluation and Question Writing	NTS, India, Central Institute of Indian Languages, Mysore	National

31. Code of ethics for research followed by the Departments Yes

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage
		Male	Female	

M.A. Hindi (2011- 2013 batch)	*	09	08	100	100
M.A. Hindi (2012- 2014 batch)	*	12	07	100	100
M.A. Hindi (2013- 2015 batch)	*	11	09	100	100
M.A. Hindi (2014- 2015 batch)	*	13	06	N.A.	
Ph.D. Hindi (2012-2013 session)	*	01	01	N.A.	
Ph.D. Hindi (2013-2014 session)	*	06	01	N.A.	
Ph.D. Hindi (2014-2015 session)	*	06	01	N.A.	

* Data Not available with the Department Now.

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.A. Hindi (2011-2013 batch)	0	85	0	0
M.A. Hindi (2012-2014 batch)	0	95	0	0
M.A. Hindi (2013-2015 batch)	0	95	10	0
M.A. Hindi (2014-2015 batch)	0	95	0	0
Ph.D. Hindi (2012-2013 session)	0	100	0	0
Ph.D. Hindi (2013-2014 session)	28.57	71.42	14	0
Ph.D. Hindi (2014-2015 session)	14.28	42	7	0

* Data Not available with the Department Now.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

- UGC NET / UGC CSIR – NET / JRF Exam or equivalent exam 2013-14

Sr. No.	Name of the Student	NET/JRF	Month & Year of Passing
1	Harsahai Sharma	NET	June – 2013
2	Onkar Mal Dhudhwal	JRF	June – 2013
3	Sumit Kumar Meena	JRF	June – 2013

4	Yadvendra Chejara	NET	June – 2013
5	Virendra Singh Bareth	NET	June – 2013
6	Dinesh Charan	JRF	June – 2013
8	Sandeep Kumar Meena	NET	June – 2013
9	Dinesh Chandra Saraswa	NET	June – 2013
10	Nikki Meel	NET	June – 2013
11	Dipti Sharma	NET	Dec -2013
12	Bhagvan Sahai Sharma	NET	Dec -2013
13	Sunil Meena	NET	Dec -2013
14	Ashok Kumar	NET	Dec -2013
15	Sunil Kumavat	NET	Dec -2013

- UGC NET / UGC CSIR – NET / JRF/ SET Exam or equivalent exam 2014-15

Sr. No.	Name of the Student	NET/JRF	Month & Year of Passing
1	Ashok Kumar	JRF	June – 2014
2	Sunil Kumavat	JRF	June – 2014
3	Nirmal Suwasiya	JRF	June – 2014
4	Nilam Pareek	NET	June – 2014
5	Mahendra Kumar Jat	NET	June – 2014
6	Bhagvan Sahai Sharma	NET	June – 2014
8	Shripal	NET	June – 2014
9	Dashrath Kumar Vaishnav	NET	June – 2014
10	Sumitra Kumari Buraniya	NET	June – 2014
11	Sunita Kumavat	NET	June – 2014
12	Kiran	NET	June – 2014
13	Harsahay Sharma	NET	June – 2014
14	Nikki Meel	NET	June – 2014
15	Dipti Sharma	NET	June – 2014
16	Omkarmal Dudhwal	SET	Feb-2015
17	Seema Gautam	SET	Feb-2015
18	Akhilesh Kumar Sharma	SET	Feb-2015
19	Dinesh Sarasva	SET	Feb-2015

- **Any other Notable achievement**

Dinesh Charan:

Awarded by Department of higher education MHRD govt. of India to witness republic day parade 2014 by meritorious students of University toppers from Prime Ministers box as his guest.

35. Student progression

Student progression	Percentage against enrolled
UG to PG	Not Applicable
PG to M.Phil	PG 3 batch Passed
PG to Ph.D	Total=16 Enrolled
Ph.D to Post-Doctoral	Not Applicable

Employed • Campus Selection • Other than campus recruitment	No
Entrepreneurs	No

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	No
From other universities within the state	03
From universities from other states	03
From universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

No

38. Present details of Departmental infrastructural facilities with regard to

- Library No
- Internet facilities for staff and students
The faculty members, Non-teaching staff and students of Department have access to wireless as well as wire (LAN based) internet connectivity.
- Total number of class rooms 4 class rooms
- Class rooms with ICT facility both the Department class room is equipped with ICT facility.
- Students' laboratories No
- Research laboratories No

39. List of doctoral, postdoctoral students and Research Associates

- From the host institution/University: No
- From other institutions/universities: No

40. Number of post graduate students getting financial assistance from the University.09 students (3 students in each batch, i.e. 1st Semester and 3rd Semester of M.A.)**41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Assessment exercises were carried out for development of M.A. Hindi program.

42. Does the Department obtain feedback from:

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?

Yes, Department obtains feedback from faculty members as well as visiting guest faculty on various occasions using multiple platforms

e.g. Departmental faculty meetings etc. The feedback used to improve upon the syllabi/ curriculum of different programs.

- Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?

Yes, the Department obtains feedback from students about teaching methodologies, skills and pedagogy related skills of teaching faculty as well as the curriculum of the program at end of every semester and uses the same for progressive improvement of teaching methodologies and the program course- content.

- alumni and employers on the programmes offered and how does the Department utilize the feedback? No

43. List the distinguished alumni of the Department (maximum 10)
No

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

45. List the teaching methods adopted by the faculty for different programmes.

- Conventional chalk-board class-room teaching
- Class room teaching with application of ICT tools
- Student- Teacher interaction sessions
- Student presentations/ Journal club presentation
- Writing/ Review writing assignments for students
- Scientific Excursion and sample collection tours

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

- Department conducts regular faculty meeting to assess the fortnightly and monthly progress and for defining future work- plans
- Dean, School of Humanities and Languages monthly meetings with all the faculty members.
- Department takes continuous feedback from students with focus on class- room teaching, carrier counselling and student mentoring etc.

47. Highlight the participation of students and faculty in extension activities.

- Students of the Department of Hindi are involved in extra-curricular activities which involve interactions with residents of nearby villages e.g. Bandarsindri, Mundoti etc.

48. Give details of “beyond syllabus scholarly activities” of the Department.

- Department organizes regular seminars presented by students, faculty members and external experts.
- Department also organizes presentations, interaction sessions with visitors from international research institutions/ universities etc.

49. **State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.** No

50. **Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.** No

51. **Future plans of the Department.**

- Department plans to establish world –class facilities for teaching and research in the areas of Language and Literature.
- Department plans to set-up state of the art research facilities in the major research areas of Language and Literature.
- Department plans to start M.Phil, and PGDT

52. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.**

• **Strengths:**

- The Department of Hindi, Central University of Rajasthan has a great team of faculty members with wide experience and expertise in various disciplines of hindi language and literature.
- The technical competence of the faculty members is expected to enable them to carry out collaborative research in a highly productive manner.
- The geographical location of the Department offers the faculty members of the Department an opportunity to take up challenging research studies focusing on local issues.

• **Weaknesses:**

- Currently available infrastructure for research
- Lack of technical and administrative support staff(s).

• **Opportunities :**

- The Department has a lot of opportunity to carry out research, teaching, and extension activities in the areas Literature and Languages.
- We also have opportunity to bring out the young and talented brains from the local region and train them in the best possible manner for becoming important contributors to the disciple of Hindi Language and Literature.

• **Challenges**

- To attract the best students and research at PG and Ph.D. levels.

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Prof. Ram Lakhan Meena	M.A., M.Phil., Ph.D.	Professor	Language, Linguistics, Applied	15	

			Linguistics, Transformation I Generative Grammar, Dialect Geography, Translation, Media.		
Dr.Lakshmi Aiyar	M.A., M.Phil., B.ed.,NE TPGDFH T, Ph.D.	Associate Professor	Comparative literature	13	
Dr.Mamata Khandal	M.A.,PG DT, NET, Ph.D.	Assistant Professor	Modern poetry, Post modernism, Comparative literature	13	
Dr. Jitendra Kumar Singh	M.A.,PG DNLP, NET, Ph.D.	Assistant Professor	Linguistic, Language Technology & literary criticism	09 (Research Experience)	
Dr. Suresh Singh Rathore	M.A., M.Phil., SLET, Ph.D.	Assistant Professor	Lok sahitya, Katha sahitya,	12	
Dr. Sandeep Vishwanathra o Ranbhirker	M.A., M.Phil., Ph.D., SET, NET	Assistant Professor	Bhakti literature, Modern Hindi literature, women studies	09	

53. Activities reflecting the goals and objectives of the institution:

- Departmental research activities focusing on area of Literature and Languages in coherence with motto of the University i.e. Sustainable Development

54. Examination reforms implemented:

- Department offer Choice based credit system.
- Department has conducted remedial classes for students identified as slow learners at PG levels
- Department offer additional teaching for students interested in preparing for National and International level competitive exams.

55. Community services

- Faculty members and students of the Department are involved in Research Activities.
- Students are encouraged to participate in NSS

56. Unit cost of education ~ 1,200/ semester

57. Computerization of administration and the process of admissions and examination results, issue of certificates

Done and in use since the beginning of the Department

- 58. Activities and support from the Alumni Association**
Yet to be initiated
- 59. Activities and support from the Parent-Teacher Association**
Yet to be initiated
Department obtains feedback from parents during their visits.
- 60. Health services Offered to students and faculty members as part of the University service**
- 61. Performance in sports activities**
- Students of the Department have participated at University level competitions.
 - Students of the Department have represented University at Zone level sports, competition.
- 62. Incentives to outstanding sportspersons:
As per the University guidelines**
- 63. Activities of the Guidance and Counselling unit:**
Department has created a system for student mentoring by faculty members for continuous counselling of students.
- 64. Placement services provided to students**
As conducted by the University
- 65. Development programmes for Non-teaching staff**
As conducted by the University
- 66. Good practices of the institution**
Department is developing standard operating class room activities
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year**
NA
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)**
NA
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required): Nil**
- 70. Plan of action for the next year (attach separate sheet, if required)-Nil**
- 71. Any other relevant information the institution/University/Department wishes to add. Nil**

1. **Name of the Department** : Department of Management
2. **Year of Establishment** : 2010
3. **Is the Department part of a School/Faculty of the University?**
Yes, it is a part of School of Commerce and Management
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
MBA
Ph.D.
5. **Interdisciplinary programmes and Departments involved**

Courses offered by your Department to the students of other Departments			Courses of other Departments taken by the students of your students		
Department	Code & Title	Credits	Department	Code & Title	Credits
Economics	MBAF-407 Financial Engineering	03	Economics	MAE-11 Introduction to Econometrics	04
Economics	MBA-206 International Business	03	Economics	MAE-09 Theory of International Trade	04
English	MBA-107 Organizational Behaviour	03	Economics	MAE-02 Micro Economics Part-II	04
Microbiology	MBA-203 Business Plan Formulation	03	Economics	MAE-12 Public Economics	04
Chemistry	CHT-406 Financial Management	02	Public Policy, Law & Governance	MPLG-204 Public Administration & Governance in India	04
BioTechnology	MSBT-404 Marketing Management	03	Culture & Media Studies	MAC-203 Folklore & Oral Traditions	04
Biochemistry	MSBC-404 Marketing Management	03	Commerce	MC-IV.2 Project Planning & Control	04
Microbiology	MSMB-404 Marketing Management	03	Public Policy, Law & Governance	MPLG-401 Social Cohesion	04

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
Nil in Management Department
7. **Details of programmes/courses discontinued, if any, with reasons**
Nil

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System

Semester system/ Choice Based Credit System

9. Participation of the Department in the courses offered by other Departments.

Same as item No.5

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Name of the Position	Sanctioned	Filled
Professor	1	0
Associate Professor	2	1
Assistant Professor	4	3

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Maithili R.P. Singh	M.B.A., Ph.D	Associate Professor	Marketing & Gen. Management	20 years	
Dr. Sanjay Kumar Garg	M.B.A., M.Com., UGC (NET), M.Phil, Ph.D	Assistant Professor	Stock & Derivative Markets, Risk Management, Operations Research	14 years	
Dr. Tulsee Giri Goswami	MBA (HR), Ph.D., Accredited Management Teacher (AMT), PG Diploma in Hospital & Health Management, UGC NET	Assistant Professor	Human Resource Management & Development, Organizational Behaviour, General Management	9 years	
Dr. Avantika Singh	MBA, PhD (Fellow, IRMA)	Assistant Professor	Organisational Behaviour, Business Ethics, Public Policy and Management	9 years	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Mr. Rohit Mathur	MBA (Marketing), PGDM (Finance), UGC-NET	Assistant Professor	General Management, Entrepreneurship & New Ventures and Management Accounting	7 years	
Dr. Pranav Parijat	MBA, PGDM, Ph.D	Assistant Professor	Financial Management, Financial Engineering, Business legislation	7 years	
Dr. Jugal Kishor	MBA, Ph.D	Assistant Professor	Marketing, Marketing Research, Business Statistics, Operations Research.	4 months	
Krishan Kant Meena	MBA, UGC-NET	Assistant Professor	Marketing, Entrepreneurship, General Management	3 years	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Nil in Management Department

13. Percentage of classes taken by temporary faculty – programme-wise information

MBA, Ph.D.:

MBA: 30% classes are taken by temporary faculty.

Ph.D.: Nil

14. Programme-wise Student Teacher Ratio:

MBA, Ph.D.:

MBA: 10: 1

Ph.D.: 4: 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff Positions	Sanctioned	Filled	Actual
Support staff			1 (shared with

(Non-technical) Class IV			other Departments)
Support staff (technical)			1 (shared with other Departments)
Administrative staff			Nil

16. Research thrust areas as recognized by major funding agencies

Sl. No.	Thrust Area	Recognizing Funding Agency/ ies
1	Marketing	UGC
2.	MSME	ICSSR
3.	Finance	
4.	HR	
5.	Entrepreneurship	
6.	Social sector	

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Dr. M.R.P Singh Healthcare Services of Specialty Hospitals in Rajasthan: An Empirical Analysis of Marketing Practices	UGC	10.73 Lacs
Prof. N.D. Mathur & Dr. Sanjay Kumar Garg A Study on Growth of Micro, Small & Medium enterprises (MSMEs) & initiatives taken by the government in the state of Rajasthan for their development with special reference to post liberalization period	ICSSR	5 lacs

18. Inter-institutional collaborative projects and associated grants received:

Associated Faculty	Collaboration	Collaborator Grants received
Dr. Sanjay Kumar Garg	Prof. N.D. Mathur, University of Rajasthan, Jaipur	Rs. 5 lakhs

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Same as in Q. No. 17

20. Research facility / centre with

- State recognition

- **National recognition**
 - **International recognition** Nil
- 21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil
- 22. Publications:**
- **Number of papers published in peer reviewed journals (national / international)**
 - **International:**
- 1 Agarwal Anuradha and MRP Singh, 'Determinants of Retail Experience and Role of Moderating Variables on Shopping Behaviour- A Literature Review', *International Journal of Multidisciplinary Research*, Journal of Jai Hind Education Society, Pune, India, Vol. 3, Issue 3 (I), June, 2014 (ISSN-2277-9302)
 - 2 MRP Singh, 'Civil Aviation in India: Historical Perspective ' *Asian Journal of Research in Social Sciences & Humanities*, Journal of Asian Research Consortium, Yamuna Nagar, India, Vol. 3, Issue 12, December, 2013 (ISSN-2250-1665)
 - 3 Agarwal Anuradha and MRP Singh, 'Growth & Future Scenario of FDI in Indian Retail Sector' *International Journal of Engineering and Management Sciences*, Journal of Society for Science and Nature, LuckNow, India, Vol. 4, No. 4, October, 2013 (ISSN-2229-6425)
 - 4 Dalbir Singh and MRP Singh, 'KNowledge Management for Sustainable Tourism Development' *Asian Journal of Research in Business Economics & Management*, Journal of Asian Research Consortium, Yamuna Nagar, India, Vol. 3, Issue 10, October, 2013 (ISSN-2250-1673)
 - 5 MRP Singh, 'Consumers' Perception towards Product Display, *JM International Journal of Marketing Management*, Journal of JM Academy of IT and Management, Arasaradi, Madurai, Tamil Nadu, India, Vol. 1 No. 6, September, 2011. Print : (ISSN-2230-701X); Online: (ISSN-2229-4570)
 - 6 MRP Singh, 'Comparison of services of Domestic Airlines in India', *Proficient*, An International Journal of Management, Jaipur, India. Vol. 3 No. 4, April, 2011 (ISSN-0975-475X)
 - 7 MRP Singh, 'Impact of Demographics on Domestic Aviation In India', *Asia Pacific Journal of Research in Business*, <http://www.skriec.com>, Vol. 2 No. 4, April, 2011. (ISSN-2229-4104)
 - 8 MRP Singh, 'Youngsters Perception regarding Readymade Garments in Haryana ', *International Journal of Marketing and Management Research*, <http://www.skriec.com>, Vol. 2 No. 4, April, 2011. (ISSN-2229-6883).
 - 9 MRP Singh, 'Customers' Awareness and Perception about Insurance Products in Rural Areas', *JM International Journal of Marketing Management*, Journal of JM Academy of IT and Management,

- Arasaradi, Madurai, Tamil Nadu, India, Vol. 1 No. 3, April, 2011. Print : (ISSN-2230-701X); Online: (ISSN-2229-4570)
- 10 MRP Singh, 'Customers Constraints in Ensuring Service quality in Banks ', *International Journal of Marketing and Management Research*, <http://www.skriec.com>, Vol. 2, No. 2, Feb., 2011. (ISSN-2229-6883)
 - 11 Dalbir Singh and MRP Singh, 'KNowledge Management- Some Application to Public, Private, and Research Sector', *International Journal of InNovation, Creativity & Management*, Journal of Udai Institute of Management, Jaipur, India, Vol. 1, No. 1, Jan., 2011. (ISSN-2231-5500)
 - 12 MRP Singh, 'Patients' Perception about Doctors and Nursing Staff of Specialty Hospitals in India ', *Proficient*, An International Journal of Management, Jaipur, India, Vol. 2, No. 5, Nov., 2010. (ISSN-0975-475X)
 - 13 Dalbir Singh and MRP Singh, 'India's EcoNomic Interests in Post Cold War Era- Some Issues', *International journal of Development Studies*, BHU, Varanasi, India, Vol. 2, No. 4, Jul.-Dec., 2010. (ISSN-0975-5799)
 - 14 Mathur Richa and Garg, Sanjay K. 'Estimating Efficient Profitability Ratios of Banking Sector in India : A Financial Econometrics Approach' , *Emerging Trends in Finance and Banking*,(Editor: Pavnesh Kumar), Himalaya Publishing House, Mumbai, India, Jan., 2014. (ISBN-978-93-5142-530-4)
 - 15 Mathur N.D. and Garg, Sanjay K. 'Impact of Start of Derivative trading in India on the returns and volatility of stock market : use of descriptive analysis , *EcoNomic Administration Review, Department of EcoNomic Administration and Financial Management, University of Rajasthan , Vol. 30, July- Dec 2013 . (ISSN 2277-5269) pp. 17-29*
 - 16 Garg, Sanjay K. and Mathur Richa, 'Market Capitalization and Volatility of Stocks : A Financial Econometric Analysis, *Econometric Applications in Management*, (Editor: R. C. Sharma & Sanjay K Garg), National Publishing House, New Delhi, India, Nov., 2013. pp 290-302.
 - 17 Garg, Sanjay K. "Start of Derivative trading in India: Use of various hedging strategies and their effectiveness", *Advances & Applications in Game theory*, Special Series of McMillan, 2012. (ISBN:978)
 - 18 Garg, Sanjay K. "Comparison of Volatility in Spot and Derivative Market: A Study based on Descriptive statistics & GARCH Model", *Arthanveshan, A Journal of Mata VaishNo Devi University, Jammu* Vol. 4 No. 1 & 2 , 2010-11 (ISSN - 0793:8193)
 - 19 Garg, Sanjay K. "A Comprehensive Study on Investors Preferences and satisfaction regarding On-line & Off-line trading in Sriganganagar City", *Journal on Banking Financial Services and Insurance Research , A Journal of Sri Krishna International Research & Educational*

- Consortium , Jagadhari, Volume 1, Issue 1, June 2011.(ISSN 2231-4288).
- 20 Garg, Sanjay K. & Bansal S. "Corporate Governance in India : Evolution and Issues" in Corporate Governance , Publisher APH Publishing Corporation, Volume I , Issue I, Feb, 2011.(ISBN- 978-81-313-1160-8)
 - 21 Garg, Sanjay K. & Bhatia M. "Indian Stock Markets: Strengthening the Paradox of Risk Returns Relationship" in Business and Management-Contemporary Research Issues of Haryana School of Business, Guru Jambheshwar University of Science and Technology, Hisar Publisher Macmillan Publishers India Ltd., 2011. (ISBN 10:0230-32185-2, 13:978-0230-32185-4)
 - 22 Garg, Sanjay K. & Mathur N.D. "A Study on Institutional Activities and performance of the Stock Market in India" in Rajasthan EcoNomic Journal, A Journal of Rajasthan EcoNomic Association, Jaipur, Volume 34, Issue 1&2, January / July 2010. (ISSN : 0975-9050)
 - 23 Singh, Avantika. Public-Private Partnership in Health Services Delivery: A Network Organisations Perspective. *Public Management Review* (Taylor & Francis). 2010. 12: 6. pp. 829-856.
 - 24 Singh, Avantika. Health Reforms in Rajasthan: An Empirical Study on Agencification. *Policy and Society* (Elsevier). 2007. 26: 2. pp. 61-82.
 - 25 Singh, Avantika. Restructuring Government: An Empirical Analysis of Agencification in the Public Health System of Rajasthan, in Fritzen, Scott and M. Ramesh (eds.) (2009) *Transforming Asian Governance*. London: Routledge Research on Public and Social Policy in Asia, Taylor & Francis. pp. 168-188.

National:

- 1 MRP Singh, 'Innovative Business Practices in Banking Industry in India', *Voice of Research*, Ahmadabad, Gujarat, India, Vol. 2, Issue 4, March, 2014 (ISSN-2277-7733)
- 2 MRP Singh, 'Impact of Demographic Variables on Purchase of Insurance in Rural Areas', *Samiksha*, Journal of United Institute of Management, Allahabad, U.P., India, Vol. 4, No. 2, Dec., 2013. (ISSN-0975-7708)
- 3 MRP Singh, 'Role of Digital Media in Brand Promotion', *Voice of Research*, Ahmadabad, Gujarat, India, Vol. 2, Issue 2, Sep., 2013. (ISSN-2277-7733)
- 4 MRP Singh, 'Hospital administrators' Perception towards Healthcare Services of Specialty Hospitals in North India ', *Samiksha*, Journal of United Institute of Management, Allahabad, U.P., India, Vol. 4, No. 1, June, 2013. (ISSN-0975-7708)
- 5 MRP Singh and Raghubir Singh, 'Restructuring Education System for High performance: DemoNopolising education Factories', *Growth*, Journal of Management Training Institute, SAIL, Ranchi, India, Vol. 40, No. 3, Oct.-Dec., 2012 (ISSN-2249-6394)

- 6 Dalbir Singh, MRP Singh and Ajay Kumar, 'Organisation's inclination towards CRM implementation and its impact: Empirical evidences' *Journal of Marketing Vistas*, Journal of IPE, Hyderabad, India, Vol. 1, No. 2, Jan. - June, 2012 (ISSN-2249-9067)
- 7 MRP Singh, Sanjeev Kumar and Jagdeep Kumar 'Rural Consumer's Buying Behaviour towards Insurance Products ', *Samiksha*, Journal of United Institute of Management, Allahabad, U.P., India, Vol. 2, No. 2, Dec., 2011. (ISSN-0975-7708)
- 8 MRP Singh and Raghubir Singh, 'Entrepreneurial Learning: Paradigm Shift- Extrapolating PAST or Compatibility with the FUTURE', *Growth*, Journal of Management Training Institute, SAIL, Ranchi, India, Vol. 39, No. 2, Jul.-Sep., 2011
- 9 Sanjeev Kumar and MRP Singh, 'Brand Aspirations and Brand Switching Behaviour of rural Consumers- a Case Study of Haryana', *KAIM Journal of Management and Research*, Journal of Kedarnath Aggarwal Institute of Management, Charkhi Dadri, India, Vol. 3, No. 2, Nov.-April, 2011. (ISSN-0974-9462)
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- 11 MRP Singh, 'Policy Constraints in Ensuring Service quality in Banks ', *Samiksha*, Journal of United Institute of Management, Allahabad Vol. 2, No. 1, Jan., 2011. (ISSN-0975-7708)
- 12 MRP Singh and Dalbir Singh, 'CRM- an Innovative Approach to Face the Heat of Competition', *Growth*, Journal of Management Training Institute, SAIL, Ranchi, India, Vol. 38, No. 3, Oct.-Dec., 2010
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- 15 Garg, Sanjay K. & Mathur N.D. A Study on Under - pricing and Short Run Performance of Initial Public Offerings in Indian Stock Market" in *International Journal of Economics & Managerial Thoughts.*, Volume I, No. 2 , Year Oct.- March 2011. (ISSN: 2229-3736)
- 16 Garg, Sanjay K. "A Study on Performance evaluation of Selected Indian Mutual Fund" in *International Journal of InNovation, Creativity and Management* , A Journal of Udai Institute of Management Studies, Volume I, Issue I, January 2011.(ISSN No. 2231-5500)

- 17 Singh, Avantika. Outsourcing of Healthcare Services in Rajasthan: An Exploratory Study. *IIMB Management Review*. 2007. 19: 2. pp. 157-170.
- 18 Singh, Avantika. Evolution of Health Policy in India: An Analysis from an Organisation Theory Perspective, in Gulati, S.C. (ed.) 2010. *Population, Health and Human Resources in India's Development*. New Delhi: Academic Foundation. pp. 101-124.
- 19 Thomas, MT and Singh, Avantika. Impact of Environmental Pollution on Human Health, in Chugan, Pawan K. and M. Malikarjun (eds.) (2004) *Managing Trade, Technology and Environment*. New Delhi: Excel Books.

- **Monographs** Nil
- **Chapters in Books Edited Books**
- Agarwal Anuradha and MRP Singh, 'Information Technology: A Tool for Rising Face of Indian Retail Industry ', *Emerging Issues and Challenges in Management*, (Editor: Pavnesh Kumar), Himalaya Publishing House, Mumbai, India, Jan., 2014. (ISBN-978-93-5142-530-4)
- MRP Singh and Agarwal Anuradha, 'Social Media: Blooming Marketing Promotion Tool', *Proceedings 8th Biyani International Conference on Contemporary Issues in Management of Business*, (Editors: Dr. Manish Biyani & Dr. B. L. Sharma), Biyani Institute of Commerce & Management Pvt. Ltd., Jaipur, India, Sep., 2013. (ISBN-978-93-83343-02-7)
- MRP Singh, 'Ethical Issues in Marketing ', *Spiritual Paradigm for Management*, (Editor: Sandeep Singh), Excel India Publishers, New Delhi, India, Jan., 2013. (ISBN-978-93-82062-99-8)
- MRP Singh, 'Digital Media for Corporate Social Responsibility: A tool for Sustainable Development for Indian Industry ', *Proceedings International Conference on Challenges of Sustainability & Growth in Indian Industry*, (Editors: Dr. S. Nagendra & Dr. Anil Rao Paila), Sanguine Technical Publishers, Bangalore, India, Dec., 2012. (ISBN-978-8188849-99-5)
- Dalbir Singh and MRP Singh, 'Rural Artisans in Select Districts of Rajasthan- A Case Study', "*Rural Management in Post Reform Era*", Society for Advancement of Villagers" (Eds. K. Nagaraja Rao, Harnam Singh and Anita Sukhwal), Bookwell, New Delhi, India. 2012 (ISBN-978-93-80574-32-5)
- MRP Singh, Richa Rathee and Chetna Dhull, 'Banking Policies too Responsible for Dissatisfaction'. In *Business and Management: Contemporary Research Issues* (Eds. Subhash C. Kundu, B. K. Punia, Mahesh Chand Garg and Anju Verma), Macmillan Publishers India Ltd., New Delhi, India, March, 2011 (ISBN-023032185-2)
- MRP Singh, 'Consumer Perception regarding Services of Aviation Industry in India'. In *Business and Management: Contemporary*

Research Issues (Eds. Subhash C. Kundu, B. K. Punia, Mahesh Chand Garg and Anju Verma), Macmillan Publishers India Ltd., New Delhi, India, March, 2011 (ISBN-023032185-2)

- MRP Singh, 'Healthcare Services of Specialty Hospitals in North India'. In *Changing Dynamics of Marketing* (Eds. Mohan B. Rao and Ritu Sinha), Excel Books Pvt. Ltd., New Delhi, India, Jan., 2011 (ISBN-93-80697-48-1)
- **Books with ISBN with details of publishers** Nil
- **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)** N.A.
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- H-index
- 23. **Details of patents and income generated** Nil
- 24. **Areas of consultancy and income generated** Nil
- 25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Academic/ Research Activities	Name of the faculty	Number of Faculty	Event with date
Invited as resource persons in workshops/seminars/conferences organized by external professional agencies	Prof. N.D. Mathur (2010-11)		KeyNote address on Emerging Business Trends in India in AICTE sponsored National Seminar at SKIT, Jaipur, 26 October, 2010
			Lecture at Govt. College, Bellary, Karnataka, 30 October 2010
			KeyNote address at University Commerce College, University of Rajasthan, Jaipur on "MNAREGA": challenges and Opportunities in Two days National Seminar, 8 January, 2011
			KeyNote address at Prestige Institute of Management, Gwalior on "World is Flattening", sponsored by AICTE, New Delhi, 11 January 2011

Academic/ Research Activities	Name of the faculty	Number of Faculty	Event with date
	Prof. R.C. Sharma (2011-14)		Resource person-Workshop on Econometric Modelling for Business Research, 22-23 Oct 2012, CH Institute of management and Commerce, Indore
			Invited Delegate by The Ministry of Finance Government of India in International Conference on 'Reviving Growth' 14-15 December 2012, New Delhi
			Invited Special Lecture "On Revival of Growth in India", 33rd conference of Rajasthan EcoNomic Association, 18-19 Jan 2013, JN Vyas University, Jodhpur
			Chief Guest Inaugural Function and Resource Person, National Workshop on Advanced Modelling and Data Analyses in management Research, Medi-caps Institute of Technology and management, Indore, 8-12 April 2013
			Resource Person-Refresher Course in Commerce, MDS University, Ajmer, 3 June 2013
			Invited Lecture in ICSSR sponsored course on Research Methodology for Students, at Dept. of EAFM, University of Rajasthan, Jaipur, 19 June 2013
			Talk on Quantitative Techniques in Social Sciences, Academic Staff College, Devi Ahilya University, Indore, 15-16 July 2013
			Invited Lecture at School of Social Sciences, Devi Ahilya University, Indore, 6-7 Feb, 2014
			Session Chair in National Conference on Econometric Applications for Regulations, organized by K J Somaiya Institute of Management, Mumbai, in association with Indian Econometric Society, 21 Feb, 2014
			KeyNote Address in UGC Sponsored workshop on "Skill development for undertaking of Rural Research Projects", Faculty of Management Studies, Lachoo Memorial College, Jodhpur, 28 March 2014

Academic/ Research Activities	Name of the faculty	Number of Faculty	Event with date
			Invited Lecture on Research Methodology, Department of Economics, MDS University, Ajmer, 4-5 April 2014
			Invited Lecture in Orientation course at ASC, Devi Ahilya University, Indore on 9-10 May 2014
			Invited Lecture in Refresher Course in Commerce and Management at UGC-ASC, Devi Ahilya University, Indore, 25-27 June 2014
	Dr. Avantika Singh (2013-14)	-	Invited lectures on 'Business Ethics', for MBA III Semester and Integrated BTech + MBA IX Semester, at Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Gwalior, December 10-14, 2013, and January 2-4, 2014.

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Nil

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Dr. Avantika Singh attended 86th Orientation Programme, at UGC-Academic Staff College, University of Rajasthan, Jaipur, December 31, 2012 to January 26, 2013

Dr. Avantika Singh attended UGC-Sponsored Special Summer School on 'Research Methodology', UGC Academic Staff College, University of Rajasthan, Jaipur, June 16-July 05, 2014.

Dr. Sanjay Garg attended Three days FDP on 'Financial Econometrics', at Bharti Vidyapeeth University Institute of Management & research (BVIMR), New Delhi, on February 14-16, 2014

Prof. R C Sharma, Dr. MRP Singh, Dr. Sanjay Garg, Ms. Preeti Saluja and DR. Neha Verma attended FDP on Simultaneous Equation System in Management by Prof. Narain Sinha, University of Botswana, March 14, 2014, in Department of Management, CURAJ.

Dr. Neha Verma and Ms. Preeti Saluja attended 3 days Faculty Development Program on Multivariate Analysis using SPSS and Structural Equation Modeling – Amos, BVIMR Campus at New Delhi, on August 16-18, 2014.

28. Student projects

- Percentage of students who have done in-house projects

including interDepartmental projects

- **Number of projects executed within the University:** So far four batches of MBA have passed out. Students conduct major research project worth three credits in their IV Sem. This is treated as a compulsory course for all the students. The details of projects done by students of 2012-14 batch is as follows:

S. No.	Enrollment No.	Name	Project Title
1	2012MBA001	Abhay Kumar	Financial Ratio Analysis of Lanco Power Ltd.
2	2012MBA002	Amit Kumar	Issues and success factor of Micro Finance
3	2012MBA003	Ankit Gahlot	Study of Consumer Satisfaction on Tata Motors
4	2012MBA005	Anurag Singh Himanshu	A Study on Retail Banking: Yes Bank
5	2012MBA006	Ashwari Bazaz	Consumer Buying behavior towards Lakme
6	2012MBA007	Avi Johari	Analytical study of credit policies and wholesale funding by Mahindra and Mahindra Financial Services Ltd.
7	2012MBA008	Chita Ranjan Jena	The Mukhyamantri nishulka dawa and Janch yojna in Rajasthan: A study of Ajmer District
8	2012MBA009	Deepak Kumar	Comparative Analysis of 4 stroke bikes
9	2012MBA010	Ekta Chouhan	Study of Reliance life insurance and its competitors
10	2012MBA011	Gaurav Gupta	A study of level of awareness of Reliance life insurance in the region of Kishangarh
11	2012MBA012	Gaurav Kumar	Study of the level of awareness and acceptability of UPVS doors and windows in the region of Ajmer
12	2012MBA013	Govind Soni	Factor of impulsive buying behaviour
13	2012MBA014	Hariom Gocher	Analysis of working capital management of Shree Ram Pistons and Rings Ltd.
14	2012MBA015	Harish Kumar Meharada	Comparative analysis of different types of mutual funds
15	2012MBA016	Karamveer Kumar	A comparative study of Gold exchange credit fund (ETF) in selected 5 mutual fund companies in India
16	2012MBA017	Krishan Kumar Maan	Consumer Behavior on Automobile Sector (Car)
17	2012MBA019	Ms. Lalita Tungariya	A comparative study about awareness of E Banking services among urban and rural people
18	2012MBA020	N. Sunny Raj	Analyzing the medium usage (digital

S. No.	Enrollment No.	Name	Project Title
			versus print) among University students and its business implication
19	2012MBA021	Narendra Kumar	Impact of NYSE index on BSE index (at time of financial crisis 2008 and present era)
20	2012MBA022	Nawal Kishor Vaishnav	Equity Analysis: A study on Selected Sector
21	2012MBA023	Naveen Kumar Singh	To analyze relationship between spot price and future price : underlying assets are Reliance capital and Mahindra & Mahindra Finance
22	2012MBA025	Pawnesh Mandoliya	Packaging of the pharmaceutical products, there safety of caring and study of contamination due to seasonal changes at the pharmaceutical retail outlets
23	2012MBA026	Priya Rani	The common currency for Asian countries: All aspects clubbed together
24	2012MBA027	Purilal Meena	How does IT reflect on Stock Market Trading
25	2012MBA028	Rahul Pareek	Service Quality in Retail Industry: A Comparative Study of Employee and Customer Perception
26	2012MBA029	Ramswaroop Choudhary	Market Research and Industrial Analysis at RSWM Ltd (Mayur Suiting Baswara Rajasthan)
27	2012MBA030	Rudra Pratap	Customer Preferences in choosing Big Bazar Gopalpura Jaipur
28	2012MBA031	Shalini Garg	Impact of institutional investment of Indian stock Market
29	2012MBA032	Shriya Khanal	Analysis of the determinants of FDI inflow in India
30	2012MBA033	Swastika Bakrecha	Safe and Convenient City Cab System-Project Safe Cabs
31	2012MBA034	Tarun Joshi	Pride N Thrust Group: A start Up its product and basic preparation for the entrepreneurship
32	2012MBA035	Ujjaval Jain	Impact of FDI inflows on GDP and exports in India
33	2012MBA036	Vinay Yadav	Impact of Online Review and Rating on the purchasing decision of the electronic gadgets
34	2012MBA037	Vinisha Choudhary	Influence of online marketing on the consumer behavior
35	2012MBA038	Vishal Moyal	A Survey of Financial Literacy of Students in Ajmer District

- **Percentage of students doing projects in collaboration with other universities / industry / institute.**

Nil

29. Awards / recognitions received at the National and International level by Faculty

S. No	Name of the faculty	Award received	Event (with date) in which award was received	National/ International
1.	Prof. R C Sharma	By Executive Council Member, the Indian Econometric Society (Prof. R. C. Sharma)	-	-

- Doctoral / post doctoral fellows Nil
- Students Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl.No	Name of the Conference	National / International	Department / School organized	Total Expenditure	Funding provided by the University
1.	National Seminar on Econometric Applications in Management-NSEAM 2013 (Nov. 20-21, 2013)	National	Department of Management	To be sought from the Accounts Branch	University and TIES
2.	International Symposium on Game theory: Teaching and Applications on 16th February, 2012	International	Department of Management	To be sought from the Accounts Branch	University
3.	National seminar on international business, April 13, 2011	National	Department of Management	To be sought from the Accounts Branch	University
4.	National Workshop on Research Methodology in management February 14-15 2011	National	Department of Management	To be sought from the Accounts Branch	University

31. Code of ethics for research followed by the Departments

The University Ordinance has specified a code of conduct.

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage
		Male Female	Male Female	Male Female
Information available at University level				

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
Information available at University level				

* Data Not available with the Department Now.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category wise.

2010-11

Examination	Year	Appeared	Qualified	% of qualified students
UGC-CSIR-NET				
UGC-NET				
SLET/SET				
ATE / CAT / GRE / TOFEL / GMAT				
Central / State services				
Defense				
Civil Services				
Etc.				

2011-12

Examination	Year	Appeared	Qualified	% of qualified students
UGC-CSIR-NET	2012	Information Not available	01	
UGC-NET	2012	Information Not available	03	
SLET/SET				
ATE / CAT / GRE / TOFEL / GMAT				

Examination	Year	Appeared	Qualified	% of qualified students
Central / State services	2012	Information Not available	01	
Defense	2012	Information Not available	01	
Civil Services				
Etc.				

2012-13

Examination	Year	Appeared	Qualified	% of qualified students
UGC-CSIR-NET				
UGC-NET	2013	Information Not available	11	
SLET/SET				
ATE / CAT / GRE / TOFEL / GMAT				
Central / State services				
Defense				
Civil Services				
Etc. (Bank PO)	2012-13	Information Not available	03	

2013-14

Examination	Year	Appeared	Qualified	% of qualified students
UGC-CSIR-NET				
UGC-NET	2013	Information Not available	05	
SLET/SET				
ATE / CAT / GRE / TOFEL / GMAT				
Central / State services				
Defense				
Civil Services				
Etc.				

35. Student progression2010-11

Students Progression	%
UG to PG	Not applicable
PG to M. Phil	Not applicable
PG to Ph. D	Not applicable
Ph. D to Post-Doctoral	Not applicable
Employed	Not applicable
<ul style="list-style-type: none"> • Campus selection • Other than campus selection 	

2011-12

Students Progression	%
UG to PG	Not applicable
PG to M. Phil	Not applicable
PG to Ph. D	Not applicable
Ph. D to Post-Doctoral	Not applicable
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus selection 	

2012-13

Students Progression	%
UG to PG	Not applicable
PG to M. Phil	Not applicable
PG to Ph. D	2 (Divyadeep Singh, Bhavya Soni)
Ph. D to Post-Doctoral	Not applicable
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus selection 	

2013-14

Students Progression	%
UG to PG	Not applicable
PG to M. Phil	Not applicable
PG to Ph. D	Not applicable
Ph. D to Post-Doctoral	Not applicable
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus selection 	

2014-15

Students Progression	%
UG to PG	Not applicable
PG to M. Phil	Not applicable
PG to Ph. D	1 (Shalini Garg)
Ph. D to Post-Doctoral	Not applicable
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus selection 	

36. Diversity of staff

Department/School	% of faculty from the same University	% of faculty from other Universities within the State	% of faculty from Universities outside of the State	% of faculty from other countries
Management	12.5%	37.5%	50%	0%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

02 Faculties

38. Present details of Departmental infrastructural facilities with regard toa) **Library** Students use University library.b) **Internet facilities for staff and students**

Computer Lab with 24 Computer Systems with i7 Processor, Printer, Fax, LAN, latest Software like SPSS, E- views etc.

c) **Total number of class rooms** Three class roomsd) **Class rooms with ICT facility** Two Class rooms with ICT facilitye) **Students' laboratories** Same as item No. bf) **Research laboratories** Nil**39. List of doctoral, postdoctoral students and Research Associates**a) **From the host institution/University:**

S.No.	Name of Doctoral Students
1.	Nisha Rathore
2	Neha Somani
3	Anuradha Agarwal
4	Richa Mathur
5	Divya Deep Singh
6	Swadesh Sanwaria
7	Pooja Paharia
8	Anusuya Mehra
9	Rajneesh Karloopia
10	Mobin Anwar
11	Sarita Gupta
12	Yogesh Verma
13	Richa Burman
14	Reena Kumari
15	Saroj Kumar Ranjan

b) **From other institutions/universities:** Nil**40. Number of post graduate students getting financial assistance from the University.**

02 students per semester

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. N.A.

42. Does the Department obtain feedback from:

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?

Yes, suitable modifications are made in the syllabus and new courses are added if required.

- Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?

In every semester students give online feedback to the faculty. The feedback is shared with the concerned faculty members and they are expected to improve their performance based on their feedback.

- Alumni and employers on the programmes offered and how does the Department utilize the feedback?

Yes, feedback from alumni and employers is used for modifying the courses

43. List the distinguished alumni of the Department (maximum 10)

S. No.	Name of Student	Company
1.	Bharti Sharma	Silver Medalist, MBA (2012)
2.	Swati Goyal	Genpact, Jaipur
3.	Mukesh Kumawat	Shree Cements Ltd., Beawar
4.	Bhavya Soni	Gold Medalist, MBA (2012) Assistant Professor, Poddar Institute of Management, Jaipur
5.	Om Prakash	Nexus Business Solutions, Noida
6.	Poonam Jhamnani	Gold Medalist, MBA (2013)
7.	Shalini Garg	Gold Medalist, MBA (2014)
8.	Krishan Kant Meena	Assistant Professor at CURAJ
9.	Divyadeep Singh	Pursuing PhD at CURAJ
10.	Shriya Khanal	Pursuing PhD in the USA

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Guest lectures

The Department organizes guest lectures on regular basis. Experts from industry as well as academia are invited to deliver guest lectures.

- Guest lectures by industry experts: Ms. Geetu Bandral, HR Manager, ICICI Lombard General Insurance Ltd., New Delhi delivered a lecture on 'Career opportunities in insurance sector' on October 15, 2010.
- Guest lectures by Mr. Rajesh Nirvana, IG Police, Ajmer, Dr. R.K. Mishra, Director, IPE, Hyderabad, Mr. Madhav Singh, Entrepreneur, Jaipur, Prof. P.K. Chaubey, IIPA, New Delhi, Prof. Vipin Gupta,

Professor and Head, California State University, and Prof. M.M. Salunkhe, VC, CURAJ during the session 2011-12.

- Guest lectures by Dr. Ashish Pareek, Central University of Himachal Pradesh, Dr. Sanjeev Gupta, Central University of Himachal Pradesh, Dr. Suparan Sharma, Mata VaishNo Devi University, Jammu, Mr. S.R. Singhvi, GM (HR), Shree Cements Ltd., Prof. Sanjeev Parashar, IIM, Raipur, Dr. (Col.) Ramesh B. Kasetwar, Pune, and Prof. Neeraj Gupta, CURAJ during the session 2012-13.
 - Dr. Sanjeev Gupta, Central University of Himachal Pradesh delivered lecture on, 'Research Methodology in Management' on January 24, 2014
 - Prof. Namrata Sharma, Director-Academic Staff College, Devi Ahilya University, Indore delivered lecture on, 'Business Process Reengineering' on May 26, 2014.
 - Prof. C.S. Barla, Former Planning Commission Chair Professor delivered lecture on, 'Analysis of the Rajasthan EcoNomy' on April 29-30, 2014.
 - Prof. K.L. Chawala, Fore School of Management, New Delhi delivered lecture on, 'Contemporary Challenges' on April 29-30, 2014.
 - Prof. C.P. Gupta, University of Delhi, delivered lecture on, 'Research Methodology' on March 28, 2014.
 - Prof. N.D. Mathur, University of Rajasthan delivered lecture on, 'Lateral Thinking' on March 27, 2014.
 - Prof. Narain Sinha, University of Botswana delivered lecture on, 'Simultaneous Equation System in Management' on March 14, 2014.
 - The Department organized guest lecture on 'business plan formulation and new venture creation' on September 17, 2012.
 - The Department organized guest lecture on 'time management' on October 05, 2012.
 - The Department organized lecture on 'basics of Econometrics and its managerial applications' by Prof. R.C. Sharma, on October 12, 2012.
 - The Department organized special lecture on 'multivariate analysis' on February 22, 2013.
- i. Workshops, seminars and conferences*
- The Department organized workshop on Research Methodology in Management during February 14-15, 2011.
 - The Department organized National Seminar on International Business, 2011.
 - The Department organized International Symposium on Game Theory: Teaching and Applications on February 16, 2012.
 - Organizing workshops for students on resume writing, personality development, mock interviews, etc.

- The Department organized workshop on 'design and tolls for research projects, on November 26-27, 2012.
- The Department organized workshop on 'current trends in marketing', on April 11-12, 2013.
- ii. The Department organized *National Seminar on 'Econometric Applications in Management-NSEAM 2013'* in association with The Indian Econometrics Society (TIES) on November 20-12, 2013 at CURAJ Campus.

45. List the teaching methods adopted by the faculty for different programmes.

In the Department of Management, Learning is made student centric through exemplification of various courses and topics therein as per the students' level of understanding. The methods of teaching augment the transmission of lessons of learning to the students. In addition to black board, the faculties use case studies, presentations, assignments, role plays, simulation, quiz, class discussions, audio-visual etc. to make the students understand the concepts. Appropriate software tools and techniques (like power point, word, pdf, excel and spss) are used whenever required.

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through regular examinations during the semester, and feedback from the students.

47. Highlight the participation of students and faculty in extension activities.

Regular visits to Barefoot College, Tilonia.

48. Give details of "beyond syllabus scholarly activities" of the Department.

Workshops, seminars, conferences, field visits, as specified above.

CURAJ Quiz Club, Impresario Management fest.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

No

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.

Research publications and sponsored projects of the faculty, as stated above.

51. Future plans of the Department.

FUTURE PROSPECTS OF THE DEPARTMENT

The primary objective of MBA programme is to provide quality education in management field as per international standards through inculcation of creative thinking, innovative practices and kaleidoscopic approach of teaching. Focus will be on industry institution linkages.

The value of any MBA programme lies in the comparisons and contrasts it makes of the admission policies, approaches and future plans of the institution and its bearing on the usefulness of all that an MBA degree stands for to corporate.

We need management education because we need to manage organizations. Future of management programmes is bright until there is existence of corporate organizations. MBA's have prospects everywhere. They can run their own business if they have entrepreneurial instincts. They can join the corporate world in different functional areas like Entrepreneurship, Finance, Marketing, HR, Supply Chain Management, IT, Service Sector Management, International Business etc. Besides this there are ample opportunities in management of NGO Sector too. MBA's are well prepared for all walks of corporate life.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

- **Strengths:**
 - Well-qualified faculty.
 - Student-teacher ratio 10: 1.
 - Strong PhD programme
 - Experiential learning methodology
 - Updated curriculum as per industry needs
 - Strong networking with alumni
 - Successful internship placements
- **Weaknesses:**
 - Remote location
 - Inadequately staffed
 - Low awareness among prospective students
- **Opportunities**
 - High growth potential in small towns and rural areas
 - Demographic dividend
 - Increasing awareness for higher education and professional courses in rural areas
- **Challenges**
 - Teething troubles
 - Infrastructural constraints
 - Lack of industrialisation in region

53. Activities reflecting the goals and objectives of the institution:

Teaching, learning, co-curricular activities and extra-curricular activities of the Department.

- 54. Examination reforms implemented: N.A.**
- 55. Community services** At the University level
- 56. Unit cost of education** At University level
- 57. Computerization of administration and the process of admissions and examination results, issue of certificates**

At University level

58. Activities and support from the Alumni Association

An alumni association was constituted on September 1, 2012 for all passing out students of the University.

Following are the representatives of the association:

- [1] President – Mr. Abhijit Gajapure (MBA 2010-12)
- [2] Vice President – Purushottam Jharotia (M.Sc. Tech Mathematics 2009-12)
- [3] Secretary: Chhavi Prakash Saini (M.Sc. Chemistry 2010)
- [4] Executive Secretary – Ms. Annu Yadav (M.A. English 2010-12)
- [5] Treasurer- Mr. Manoj Kumar (M.Sc. Environmental Science, Batch-2011)
- [6] Vice Treasurer – Ms. Megha Maheshwari (M.Sc. Statistics 2010-12)
- [7] Hon'ble Vice Chancellor, Ex – Officio member of Central University of Rajasthan
- [8] Controller of Examination, Central University of Rajasthan, Ex-officio, Executive committee member
- [9] Two Faculty Members, Central University of Rajasthan , Ex- offico, Executive Committee members (Dr. Sanjay Kumar Garg & Mr. Deepesh Bhati)

The main objective of the association will be to create a community of the alumni of the University to exchange ideas and thoughts and to serve the society at large.

59. Activities and support from the Parent-Teacher Association

N.A.

60. Health services

At University level

61. Performance in sports activities

These activities are organized at University level.

62. Incentives to outstanding sportspersons:

At University level

63. Activities of the Guidance and Counselling unit:

At University level

64. Placement services provided to students2011-12

S. No.	Name of Student	Company
1.	Bharti Sharma	Genpact, Jaipur
2.	Swati Goyal	Genpact, Jaipur
3.	Mukesh Kumawat	Shree Cements Ltd., Beawar
4.	Nikhil Ganjoo	Bajaj Capital Ltd., Jaipur
5.	Astha Tak	Bajaj Capital Ltd., Jaipur
6.	Bhavya Soni	Muskaan Foundation, Jaipur
7.	Sanjeet Kumar	Nexus Business Solutions, Noida
8.	Om Prakash	Nexus Business Solutions, Noida
9.	15 students	Customer First Private Ltd., New Delhi

- Bhavya Soni appointed as Assistant Professor, Poddar Institute of Management, Jaipur.
- Ritesh Dudi appointed as Assistant Commandant in Seema Sashasthra Bal, Ministry of Home Affairs, Government of India.
- Sunita Godara appointed as Commercial Assistant in Jaipur Vidyut Vitran Nigam Ltd., Jaipur.

2012-13

S. No.	Name of Student	Company
1.	Rahul Kumar	Tata Consultancy Services
2.	Sudhanshu Sekhar Sethi	Tata Consultancy Services
3.	02 students	Mayur Infrastructure, Kishangarh
4.		Mayur Infrastructure, Kishangarh
5.	02 students	Bajaj Capital Ltd.
6.		Bajaj Capital Ltd.
7.	02 students	Anand Rathi Securities
8.		Anand Rathi Securities
9.	Ashanjal Singh Yadav	Ambuja Cement

- Avadhesh Gupta, Dharamraj Maurya and Ankur Bharadwaj selected as Bank PO.

2013-14

S. No.	Name of Student	Company
1.	Mr. Karamveer Kumar	Rajasthan Gramin Ajeevika Vikas Parishad, Kekri, Dist. Ajmer
2.	Mr. Tarun Joshi	Pride N Thrust (Entrepreneurial Startup), Jaipur
3.	Ms. Vinisha Choudhary	TechNo Security, Jaipur
4.	Mr. Vishal Moyal	Parle G, Neemrana
5.	Mr. Ankit Gehlot	JRL Group, Indore
6.	Mr. Anurag Singh	Pepsi India, Mumbai
7.	Mr. Ujjwal Jain	Anand Rathi Securities

1. Companies visited your Department for the campus interview (during the last four years):

2010-11

Shree Cements Ltd., Muthoot Fincorp, Bajaj Life Insurance, ING Vysya, Bajaj Capital, ICICI Prudential Life Insurance, Systema IT, Metacube Software, Nexus Business Solution, Customer First.

2011-12

Shree Cements Ltd., Muthoot Fincorp, Bajaj Capital, IndusInd Bank, ING Vysya Life Insurance, KDK Software, Metacube Software, Bank of India, United Breweries, ICICI Bank, ICICI Prudential Life Insurance, Aegis Ltd., A3 Logics, Pratham, Bajaj Allianz Life Insurance, Pravah, Devi Resorts, Bosch, Acetech, Crest Containers, Systema IT, Nexus Business Solutions, Ashiana Housing, HDFC Finance, Carry on Entertainment, Merck, SP Biotech etc, participated in the Mega Placement Fair.

2012-13

Mayur Infrastructure, Genpact

2013-14

Genpact, Macbun Consultants

65. **Development programmes for Non-teaching staff** N.A.
66. **Good practices of the institution** At the University level
67. **Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year** At University level
68. **Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)** At University level
69. **Outcomes achieved by the end of the year (attach separate sheet, if required)** At University level
70. **Plan of action for the next year (attach separate sheet, if required)** At University level
71. **Any other relevant information the institution /University / Department wishes to add.** No

1. **Name of the Department** : Mathematics
2. **Year of establishment** : 2009
3. **Is the Department part of a School/Faculty of the University?** : Yes / School of Computer Science, Mathematics and Statistics
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)** : PG and Ph.D.
5. **Interdisciplinary programmes and Departments involved:** English, Computer Science and Statistics
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
GorNo-Altaisk State University, Russia;
7. **Details of programmes/courses discontinued, if any, with reasons** : Nil
8. **Examination System:** Semester/Choice Based Credit System
9. **Participation of the Department in the courses offered by other Departments:**

	Sanctioned	Filled
Professor	1	1
Associate Professors	2	2
Asst. Professors	4	3
Others		

Statistics, Computer Science, Chemistry, Microbiology and BioTechnology

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**
11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 years
Prof. A.P. Singh	Ph.D.	Professor	<u>Complex Analytic Dynamics</u> - Iteration of entire and meromorphic functions, Relation between the factorization theory and the Complex Analytic Dynamics, Global and the local theory. Study of the Structure, Dimension and		Supervision of 8 Ph.D. students Supervision of 15 M.Phil students.

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 years
			properties of Fatou sets and the Julia sets. <u>Complex Analysis</u> - Entire and Meromorphic functions, value distribution theory, Nevanlinna theory, Factorization theory of entire and meromorphic functions, Differential equations in the complex domain, Analytic function theory.		
Dr. D.C. Sharma	Ph.D.	Associate Professor	Queuing Theory, Mathematical Programming	27	Supervised 1 Ph.D. Student
Dr. J.K. Prajapat	Ph.D.	Associate Professor	Geometric Function Theory, Complex Inequalities, Fractional Calculus and Special Functions	13	Nil
Dr. Anand Kumar	Ph.D.	Assistant Professor	Fluid Dynamics, Magneto hydrodynamics, Boundary Layer Theory	2	Nil
Dr. Amit Chakraborty	Ph.D.	Assistant Professor	Mathematical and theoretical biology, Dynamical systems, quantitative ecology, environmental modeling and simulations.	7	Nil
Dr. Vidyottama Jain	Ph.D.	Assistant Professor	Fuzzy Optimization, Decision Making under Risk and Uncertainty, Applications of Game Theory, Perception Based Modeling & Financial Mathematics.	5	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

- Prof. S. Dharmaraja, IIT, Delhi
- Prof. V.K. Bhatt, SMVU, Jammu
- Prof. J.K. Bansal, Retd. Professor of Mathematics and Ex. V.C., Rajasthan University.

13. **Percentage of classes taken by temporary faculty – programme-wise information** 18%
14. **Programme-wise Student Teacher Ratio**
15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual** NIL
16. **Research thrust areas as recognized by major funding agencies**
Complex Dynamics, Mathematical Programming, Geometric Function Theory
17. **Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.**

Faculty Name	Project Title	Funding Agency/Amount of Grant/Years
Dr. A.P. Singh	Complex Dynamics and Escaping Sets of Entire Functions	DST - Major Project
Dr. D.C. Sharma	Solid Waste Management- A Mathematical Approach	UGC Major Project/11,30,300 Rs./3 years
Dr. J.K. Prajapat	Investigation of Geometric Properties of Certain Classes of Analytic Functions	UGC MiNor Project

18. **Inter-institutional collaborative projects and associated grants received**
- a) **National collaboration b) International collaboration** NIL
19. **Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.** NIL
20. **Research facility / centre with**
- **State recognition**
 - **National recognition**
 - **International recognition** NIL
21. **Special research laboratories sponsored by / created by industry or corporate bodies** NIL
22. **Publications:**

Faculty Name	International Journal Publications	National Journal Publications	Mono graphs	Book Chapters	Edited Books	Books with ISBN
Dr. A.P. Singh	33	33				
Dr. D.C. Sharma	1	7		1		

Dr. J.K. Prajapat	32	10	0	0	0	0
Dr. Anand Kumar						
Dr. Amit Chakraborty	15	0	0	0	0	0
Dr. Vidyottama Jain	7	3	0	0	0	0

23. **Details of patents and income generated : Nil**

24. **Areas of consultancy and income generated : Nil**

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad**

Faculty Name: Dr. A.P. Singh, Head of the Department

26. **Faculty serving in**

a) **National committees b) International committees c) Editorial Boards d) any other (please specify)**

S. No	Faculty Name	Member in National Level Committee	Member in Editorial Board	Member in International Level Committee
1.	Dr. A.P. Singh	Life member of Indian Mathematical Society Life member of Ramanujan Mathematical Society Life member of Vignana Parishad of India Life member of Jammu Mathematical Society Life member of National Academy of Sciences, India Life member of Indian Science Congress.	Executive Editor for Bulletin of Pure and Applied Mathematics	American Mathematical Society Life member of ISAAC (International Society for Analysis and its Applications and Computations)
2.	Dr. D.C. Sharma	Life Member of Operations Society of India,	Editorial Review committee	Member of International Science Congress

S. No	Faculty Name	Member in National Level Committee	Member in Editorial Board	Member in International Level Committee
		Life Member of Rajasthan Ganit Parishad	member of International Journal of Science Engineering and Research (France) Editorial Review committee Member of Rajasthan Ganita parishad	Association
3.	Dr. J.K. Prajapat	Member of Indian Mathematical Society Member of Ramanujan Mathematical Society Member of Society for Special Functions and their Applications		
4.	Dr. Amit Chakraborty			Life member of the New York Academy of Sciences

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

NIL

28. Student projects

Percentage of students

	In house projects including inter-Departmental projects	Project in collaboration with other universities / industry / institute
In 2009 MiNor Project	100%	
In 2009 Major Project		100%
In 2010, MiNor Project	100%	
In 2010, Major Project	100%	
In 2011, MiNor Project	100%	

29. Awards / recognitions received at the National and International level by

Faculty

Faculty Name	Award/Recognitions
Dr. A.P. Singh	<ol style="list-style-type: none"> 1. Awarded " Distinguished Service Award" of Vijnana Parishad of India, in its 14th Annual Conference, held at Shobhit University, Meerut (14th March 2011) 2. Selected for JSPS Fellowship , Kyoto University, JAPAN (June 2005 – Mar 2006) 3. Selected by the Association of Commonwealth Universities for the Academic Staff Fellowship to Imperial College of Sci.& Technology, London, ENGLAND 1992-1993 4. Awarded the "Rastriya Gaurav Award" (National Pride Award) (2004) by India International Friendship Society. 5. Awarded the "Hansraj Gupta Memorial Lecture Award 2004" by the Indian Mathematical Society, Jodhpur, 2004. 6. Delivered Prof. C.S.Venkatraman Endowment Memorial Lecture in 16th Annual Conference of Ramanujan Mathematical Society, Pune, 2001 7. Secretary of the Jammu Mathematical Society (1991-1993) 8. President of Jammu Mathematical Society (1999 - 2001, 2003- 2005) 9. Executive member of the Vijnana Parishad of India 10. Vice president of the Vijnana Parishad of India (2007-present) 11. Member of the council of Indian Mathematical Society (2006-2008) 12. Executive Editor for Bulletin of Pure and Applied Mathematics

• **Doctoral / post doctoral fellows** Nil

• **Students** Nil

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- 21st Annual Conference of Rajasthan Gainta Parishad on "Recent trends in Mathematics and Actuarial Sciences" 20th- 21st February 2010
- National Seminar on "Advances in Complex Analysis and Special Functions", March 12-13, 2011 at Central University of Rajasthan funded by NCM. Participants 125.
- Mathematics festival "MATH EARTH" on 3rd April 2012. This event is based on real life application of mathematics which includes activities like QUICKER MINDS, TALENT HUNT, POSTER PRESENTATION and REUSE OF WASTE.
- Workshop for faculty and students on Mathematica Software, 4th Dec. 2012.

- Workshop & Conference on Complex Analysis & Related Topics, March 15th -19th, 2013. Sponsored by National Center for Mathematics.

Details of Participants for Workshop & Conference on Complex Analysis & Related Topics

Name	Affiliation
Mr. Ambuj Kumar Mishra	GLA University, Mathura
Mr. Amit Soni	Govt. Engineering College, Bikaner
Mr. ANowar Hossain	Bengal Eng. & Sci. University, Howrah
Mr. Ashesh Kumar Jharwal	Shivaji College, University of Delhi
Mr. Ashish Sharma	GLA University, Mathura
Mr. Ashok Kumar Sah	University of Delhi
Mr Chikkonda Gangadhar	University of Hyderabad
Dr. Deepak Bansal	Govt. College of Eng. & Tech., Bikaner
Mr Dilip Kumar	Centre for Mathematical Sciences, Pala
Mr Dinesh Kumar	University of Delhi
Mr. Girish Dhondiram Shelake	Willingdon College, Sangli
Mr. Gopal Datt	University of Delhi
Dr. Hari Singh Parihar	Central University of Rajasthan, Kishangarh
Mr Kuparala Venkata Vidyasagar	Government degree college, Andhra University
Ms. Linia Anie Sunny	Center for Mathematical Sciences, Pala
Mr. Madan Mohan Soren	Berhampur University, Berhampur
Mr Mohammad Ibrahim Mir	South Campus, University of Kashmir, Anantnag
Mr. Mushtaq Ahmad Shah	University of Kashmir, Srinagar
Mr. Piyush Goyal	S.C.D. Govt College for Boys, Ludhiana
Mr. Pramod Machindra	S.B.E.S. college of Science, Aurangpura
Mr. Raj Kumar Garg	Sant Longowal Inst. of Eng. & Tech., Longowal
Mr Ramesh Babu	Mepco Schlenk Engineering College, Sivakasi
Dr. Renukadevi Sangappa Dyavanal	Karnatak University, Dharwad
Dr. Ritu Agarwal	JK Lakshmi Pat University, Jaipur
Mr Sajad Hussain Ahangar	University Of Kashmir, Srinagar
Mr. Sanjay Lamba	Central University of Rajasthan, Kishangarh
Mr. Shanmugam Ganasekaran	Madras Christian College, Chennai
Dr. Shashi Kant	Government Dungar College, Bikaner
Mr Sivakumar Radhakrishnan	University College of Engineering, Tindivanam
Ms Smita R Kabbur	Karnatak University, Dharwad
Mr Surendra Sunil Varma	Madras Christian College, Chennai
Dr. Susheel Kumar	Central University of Himachal Pradesh
Mrs. Sushma Virendrasinh	AISSMS College of Engineering, Pune
Dr. Veena L. Pujari	Vijaya College, Bangalore
Mr. Vinay Arora	Panjab University Regional Centre, Hosiarpur
Mr Virendra Kumar	Delhi TechNological University, Delhi
*Mrs. Garima Tomar	Central University of Rajasthan,

Name	Affiliation
	Kishangarh
*Mr. Manish Kumar Bansal	MNIT, Jaipur
*Mr. Mukesh Kumar Nagar	Govt. Engineering College, Jhalawar
*Mr. Purushottam Jharotia	Central University of Rajasthan, Kishangarh

31. Code of ethics for research followed by the Departments

Department is strict to be honest in all scientific communications e.g. in reporting data, results, methods and procedures, and publication status. Department avoids to be biased in experimental design, data analysis, data interpretation, peer review, personnel decisions, grant writing, expert testimony, and other aspects of research.

Department carefully and critically examine each faculty's work with the help of other faculty member. Department keep good records of faculty and scholars research activities, such as data collection, research design, and correspondence with agencies or journals.

32. Student profile course wise:

Name of the Course (Refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
Ph.D. 2012		2	1		
M.Sc. Tech. Mathematics 2009					
M.Sc. Tech. Mathematics 2010					
M.Sc. Tech. Mathematics 2011					
M.Sc. Tech. Mathematics 2012					

33. Diversity of students

Name of the Course (refer to question No. 4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.Sc. Tech 2009		0.06%	0.94%	
M.Sc. Tech 2010		100%		
M.Sc. Tech 2011		100%		
M.Sc. Tech 2012				

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category wise.

NET- 2 students,
GATE-6 students,
Govt. Education Competitive Examinations- 3 students,
Rajasthan Administrative Services (Pre)-1 student

35. Student progression

Student progression	Percentage against enrolled	
	In 2009	In 2010
UG to PG		
PG to M.Phil		
PG to Ph.D	3/18,	
Ph.D to Post-Doctoral		
Employed • Campus Selection • Other than campus recruitment	15/18,	4/18, Rest are still pursuing.
Entrepreneurs		

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	
From other universities within the state	0.33
From universities from other states	0.5
From universities outside the country	0.17

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

1 Faculty

38. Present details of Departmental infrastructural facilities with regard to

- a) Library NIL
- b) Internet facilities for staff and students : Yes
- c) Total number of class rooms : 3
- d) Class rooms with ICT facility :
- e) Students' laboratories : One Computer Laboratory
- f) Research laboratories

39. List of doctoral, postdoctoral students and Research Associates

Doctoral Students:

a) from the host institution/University

- Sanjay Lamba
- Purushottam Jharotia

b) from other institutions/universities

- Garima Tomar

- 40. Number of post graduate students getting financial assistance from the University.**
9
- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**
NIL
- 42. Does the Department obtain feedback from**
- a. faculty on curriculum as well as teaching learning evaluation? If yes, how does the Department utilize the feedback?**
Yes, on basis of Departmental discussions
- b. students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?**
Yes, Online
- c. alumni and employers on the programmes offered and how does the Department utilize the feedback?**
NIL
- 43. List the distinguished alumni of the Department (maximum 10)**
NIL
- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**
- Prof. S. Dharmaraja, Special Lecture on Queuing Theory, IIT Delhi
 - Prof. V.K. Bhatt, Special Lecture on Field Theory, SMVU, Jammu
 - Prof. J.K. Bansal, Motivational Lecture on Aspects of M.Sc Tech. Degree, Retd. Professor of Mathematics and Ex. V.C., Rajasthan University.
- 45. List the teaching methods adopted by the faculty for different programmes.**
Chalk and Black Board, Marker and White Board, Smart Classes.
- 46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?**
Department has continuous evaluation system. Under this, Department conduct three mid-term internals and one end semester examination. Also, to ensure, Department organize quizzes and take the assignments.
- 47. Highlight the participation of students and faculty in extension activities.**
- 21st Annual Conference of Rajasthan Gainta Parishad on “Recent trends in Mathematics and Actuarial Sciences” 20th- 21st February 2010.
 - National Seminar on “Advances in Complex Analysis and Special Functions”, March 12-13, 2011 at Central University of Rajasthan.

- Mathematics festival "MATH EARTH" on 3rd April 2012. This event is based on real life application of mathematics which includes activities like QUICKER MINDS, TALENT HUNT, POSTER PRESENTATION and REUSE OF WASTE.
- Workshop for faculty and students on Mathematica Software, 4th Dec. 2012.
- Workshop & Conference on Complex Analysis & Related Topics, March 15th -19th, 2013.

48. Give details of "beyond syllabus scholarly activities" of the Department.

- 21st Annual Conference of Rajasthan Gainta Parishad on "Recent trends in Mathematics and Actuarial Sciences" 20th- 21st February 2010.
- National Seminar on "Advances in Complex Analysis and Special Functions", March 12-13, 2011 at Central University of Rajasthan.
- Mathematics festival "MATH EARTH" on 3rd April 2012. This event is based on real life application of mathematics which includes activities like QUICKER MINDS, TALENT HUNT, POSTER PRESENTATION and REUSE OF WASTE.
- Workshop for faculty and students on Mathematica Software, 4th Dec. 2012.
- Workshop & Conference on Complex Analysis & Related Topics, March 15th -19th, 2013.
- Advanced Training in Mathematics for Lectures in Advanced complex analysis, June 2013

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

NIL

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.

In 2009, Department has introduced M.Sc.Tech. Mathematics course containing 6 semesters. The course is both multi-disciplinary and inter-disciplinary. This involves project work during the last semester.

Department is focused to motivate, Nourish and build the students in academics and on personal level. We have planned the course in such a way that after the completion of M.Sc. Tech Degree, they will be having Not even mathematics kNowledge but also advanced software kNowledge. It makes them to face and start their career in academics, research and I.T. sectors according to their preferences.

51. Future plans of the Department.

- Department is going to start a new course named Integrated M.Sc. B.Ed.
- Department has applied for the Special Assistance Programme of UGC.

- Department has applied for the Library Grant to National Board of Higher Mathematics.
- Department is applying for the FIST Programme of Department of Science and Technology.

52. A Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths:

1. Department is having versatile faculty profile in both Pure and Applied Mathematics.
2. All faculty members are experienced. Therefore, students are more benefited.
3. Research and teaching are on equal priorities.
4. Faculties are involved in other Departments too for conducting the courses.
5. Most of the faculties have international exposure.

Weakness

1. Department has shortage of faculty members.

Opportunities

1. Faculty has a freedom to visit different institutions under some conditions.
2. Faculty has freedom to form syllabi for their courses.
3. Department can invite external well known experts from other Universities/Institutions.
4. Faculty is allowed to apply for project and pursue that.

Challenges

1. Faculties are doing research progressively in spite of taking a good number of courses.
2. To cope and excel with existing well renowned universities/institutions could be a difficult task.
3. Being a new University, presently, we are trying to get more motivated students.

53. Activities reflecting the goals and objectives of the institution

- Departmental faculty is quite motivated towards multidisciplinary research.
- We organized conferences/workshops on different mathematical topics.
- Our major project students are encouraged by sending them to foreign countries for their major projects.
- Through exchange programme, foreign students are allowed to pursue their projects in Mathematics Department.

54. Examination reforms implemented NIL

55. Community services NIL

56.	Unit cost of education	NIL
57.	Computerization of administration and the process of admissions and examination results, issue of certificates	NIL
58.	Activities and support from the Alumni Association	NIL
59.	Activities and support from the Parent-Teacher Association	NIL
60.	Health services	NIL
61.	Performance in sports activities	NIL
62.	Incentives to outstanding sportspersons	NIL
63.	Activities of the Guidance and Counselling unit	NIL
64.	Placement services provided to students University has a placement cell for this purpose	
65.	Development programmes for Non-teaching staff	NIL
66.	Good practices of the institution	NIL
67.	Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year	NIL
68.	Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)	NIL
69.	Outcomes achieved by the end of the year (attach separate sheet, if required)	
	<ul style="list-style-type: none"> • Workshop for faculty and students on Mathematica Software, 4th Dec. 2012. • Workshop & Conference on Complex Analysis & Related Topics, March 15th -19th, 2013. • Advanced Training in Mathematics for Lectures in Advanced complex analysis, June 2013 	
70.	Plan of action for the next year (attach separate sheet, if required)	
	<ul style="list-style-type: none"> • Department is going to start a new course named Integrated M.Sc. B.Ed. • Department has applied for the Special Assistance Programme of UGC. • Department has applied for the Library Grant to National Board of Higher Mathematics. • Department is applying for the FIST Programme of Department of Science and Technology. 	
71.	Any other relevant information the institution / University / Department wishes to add.	NIL

1. **Name of the Department** : Microbiology
2. **Year of establishment** : 2012
3. **Is the Department part of a School/Faculty of the University?**
School of Life Sciences
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.):**
Integrated M.Sc., M.Sc. and Ph.D.
5. **Interdisciplinary programmes and Departments involved-**
Integrated B.Sc.- M.Sc. programme
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
N/A
7. **Details of programmes/courses discontinued, if any, with reasons -** None
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System-**
Semester with Choice Based Credit System
9. **Participation of the Department in the courses offered by other Departments**

	Sanctioned	Filled
Professor	1	0
Associate Professors	2	2
Asst. Professors	4	4
Others	0	0

Yes (Biochemistry and BioTechnology)

10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**
11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	Experience (Year)	No. of Ph.D. students guided for the last 4 years
Dr. Pawan K. Dadheech	Ph.D.	Associate Professor	Microbial diversity and phylogenetics, Extremophilic cyanobacteria,	27	Nil

			Cyanotoxins, Metagenomics and Genomics		
Dr. Pradeep Verma	Ph.D.	Associate Professor	Fermentation and Bioprocess Technology, Biofuels Enzymology	13 years	Nil
Dr. Arvind P. Singh	Ph.D.	Assistant Professor	Genetics and Functional GeNomics, Microbial GeNomics, Host- Pathogen interactions	4 years	Nil
Dr. Nidhi Pareek	Ph.D.	Assistant Professor	Microbial proteomics, Marine bio-prospecting, Bioprocess development	2 years	Nil
Dr. Akhil Agrawal	Ph.D.	Assistant Professor	Petroleum microbiology, Anaerobic microbiology, MetageNomics	4 years	Nil
Dr. Chandra Sekhar Gahan	M.Sc Microbiology, PhD Microbial Hydrometallurgy	Assistant Professor	Biohydrometallurgy, Bioprocess Engineering of Chemolithotrophic acidophiles, Biomineral processing, Environmental Microbiology, Microbial waste recycling	6 years	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors- Nil

13. Percentage of classes taken by temporary faculty- programme-wise information

M Sc Microbiology program:

1. During July 2012- March. 2013): **100%:**
2. April 2013 onwards: 0%

Ph D Microbiology Program (Pre-Ph D Course work): Oct., 2012- March 2013: 60%

April 2013 onwards 100% classes are being taken by regular faculties

14. Programme-wise Student Teacher Ratio-

M Sc Program: Session 2012-13- 20:2

Session 2013-14- 43:6

Intergrated M.Sc- 25:6

Ph D: 2012 (Oct. - March 13)- 2:2, April – Oct.2013- 2:6

- 15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual: None**
- 16. Research thrust areas as recognized by major funding agencies:**
Microbial Diversity, Microbial GeNomics, Microbial proteomics, Functional GeNomics, Host-Pathogen Interactions, Marine Bio-prospecting, Enzymology, Biofuels and Bioprocess development, Petroleum microbiology, Anaerobic microbiology, MetageNomics, Microbial Hydrometallurgy, Microbial Industrial waste recycling, Microbial mineral Processing
- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.**
- Exploring Fungal diversity from Selected area of Assam Using Biochemical and Molecular Approach for Industrially Important Bio-molecules: Principal Investigator Coordinated Project DBT 82 Lakhs (Sanctioned): Dr. Pradeep Verma
 - An integrated approach for the development of microwave system for pretreatment of lignocellulosic biomass for cellulolytic enzymes and ethanol production: Principal Investigator Coordinated Project DBT 94 Lakhs (Sanctioned & Waiting Grant Released): Dr. Pradeep Verma
- 18. Inter-institutional collaborative projects and associated grants received-**
- a) National collaboration
1. Central University of Assam
 2. Central University of Chattisgarh
 3. Sardar Patel University, Gujarat
- b) International collaboration- None
- 19. Departmental projects funded by DST-FIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: None**
- 20. Research facility / centre with**
- **State recognition** - None
 - **National recognition** - None
 - **International recognition-** None
- 21. Special research laboratories sponsored by / created by industry or corporate bodies Nil**
- 22. Publications:**

(2012-2013)

- Number of papers published in peer reviewed Journals (national / international): 29
- Monographs: 0
- Chapters in Books 2/2012-13: 5
- Edited Books: 0
- Books with ISBN with details of publishers: 0
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 0
- Citation Index – range / average: Range-50-330; Average-190 (Citations for the faculty members): 0
- SNIP: N.A.
- SJR : N.A.
- Impact Factor – range / average: 0.5- 5.5 (Range of impact factors for faculty members)
- H-index: 0.5-8 (Range of H- index for faculty members)

23. Details of patents and income generated:

1. Microwave Radiating device, connecting type microwave radiating device, and methods of producing sugar ingredient from plant materials (US patent, 2011 US 2011/0263843 A1) Dr. Pradeep Verma
2. Microwave irradiation device and method of manufacturing glycocomponent from plant materials WO/2010/013696 PCT/JP2009/063398 Dr. Pradeep Verma
3. Process for production of high yield of biobutanol, WO/2009/087680 PCT/IN2008/000864 Dr. Pradeep Verma
4. Microwave Radiating device, connecting type microwave radiating device, and methods of producing sugar ingredient from plant materials EU patent 2012 EP232345. Dr. Pradeep Verma
5. Process for production of high yield of biobutanol EU patent 2012 EP2238 257. Dr. Pradeep Verma
6. South Korean Patent No. 10-1217259, Application Number 2012-0073027, "Method for Desulfurization of Fossil Fuels using Iron and Sulfur Oxidising Microorganism in Iron free 9K Medium" D.J. Kim, C.S. Gahan publication date: December 24, 2012. Dr. Chandra Sekhar Gahan

24. Areas of consultancy and income generated - Nil**25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad - NIL**

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

S. No.	Concern Faculty	Institute	Purpose
1	Akhil Agrawal	University of Calgary, Canada. 29-30 June 2014	Oral Presentation
2	Akhil Agrawal	Manipal University, Rajasthan Science Congress	Oral Presentation
3	Chandra Sekhar Gahan	Manipal University, Rajasthan Science Congress	Oral Presentation
4	Nidhi Pareek	Meerut Institute of Engineering and Technology, 14-15 Feb 2014	Oral Presentation
5	Nidhi Pareek	Umea University, Sweden, 24-28 Aug. 2014	Oral Presentation
6	Arvind Pratap Singh	King Georges Medical University, LuckNow, India.	Oral Presentation
7	Arvind Pratap Singh	AMI, MD University, Rohtak, Haryana, India. 17 th to 20 th Nov, 2013	Oral Presentation
8	Pawan K Dadheech	MDS University Ajmer, 26-31 July 2013 (invited talk)	Oral Presentation
9	Pawan K Dadheech	Banaras Hindu University, 24-26 Feb 2014 (invited talk)	Oral Presentation
10	Pawan K Dadheech	IIS University, Jaipur, 29-30 Oct 2014	Oral Presentation
11	Pradeep Verma	AMI, MD University, Rohtak, Haryana, India. 17 th to 20 th Nov, 2013	Oral Presentation
12	Pradeep Verma	ICETB-2014, 6 th to 9 th Nov, 2014	Oral Presentation
13	Pradeep Verma	ICRABR-2015, NIRE, kapurthala Punjab, 14 th to 17 th March, 2015	Oral Presentation
14	Pradeep Verma	Indian Institute of Wood Science Technology, Bengaluru, 21 st to 23 rd Nov, 2014	Oral Presentation

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. No.	Concern Faculty	Committee/Journal	Membership status
1	Akhil Agrawal	Association of Microbiologist of India	Life
2	Akhil Agrawal	American Society of Microbiology (ASM), USA	Active
3	Nidhi Pareek	Association of Microbiologist of India	Life

4	Pawan K Dadheech	Association of Microbiologist of India	Life
5	Pradeep Verma	Association of Microbiologist of India	Life
6	Chandra Sekhar Gahan	Orissa Botanical Society	Life
7	Chandra Sekhar Gahan	South African Society for Microbiology	Annual Member
8	Chandra Sekhar Gahan	International Journal of Biometrics and Bioinformatics, Computer Science Journals (CSC Journals), Kuala Lumpur, Malaysia	Editorial Board Member
9	Chandra Sekhar Gahan	International Journal of Petroleum Technology, Avanti Publishers, USA	Editorial Board Member
10	Chandra Sekhar Gahan	Research Journal of Microbiology, Publisher: Academic Journals Inc., USA, pISSN: 1816-4935	Editorial Board Member
11	Chandra Sekhar Gahan	Research Journal of Environmental Sciences, Publisher: Academic Journals Inc., USA eISSN: 2152-8238, pISSN: 1819-3412	Editorial Board Member
12	Chandra Sekhar Gahan	Asian Journal of BioTechnology, Publisher: Academic Journals Inc., USA, pISSN: 1996-0700	Editorial Board Member
13	Chandra Sekhar Gahan	Singapore Journal of Chemical Biology, Publisher: Academic Journals Inc., USA, eISSN: 2010-0108, pISSN: 2010-0094	Editorial Board Member
14	Chandra Sekhar Gahan	Microbiology Journal, Publisher: Academic Journals Inc., USA, eISSN: 2153-0718, pISSN: 2153-0696	Editorial Board Member

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

S. No	Academic Staff Development Programmes.	Name of the Faculty	Department / School	Event with date
1	UGC-Sponsored 86 th Orientation Program	Dr. Chandra Sekhar Gahan	UGC Academic Staff College, Jai Narayan Vyas University, Jodhpur, Rajasthan, India and Central	16 th December 2013 to 11 th January 2014

			University of Rajasthan, India	(4 weeks)
2	Science Academies Refresher Course on "advances in chemical sciences and sustainable development" conducted by Indian Academy of Science, Indian National Science Academy and The National Academy of Sciences	Dr. Chandra Sekhar Gahan	Department of Chemistry, School of Chemical Sciences and Pharmacy, Central University of Rajasthan, India	12th January 2015 to 25th January 2015 (2 weeks)

28. Student projects

- Percentage of students who have done in house projects including interDepartmental projects
 - All students in M.Sc. IV semester (100%)
- Percentage of students doing projects in collaboration with other universities / industry / institute
 - Nil

29. Awards / recognitions received at the National and International level by

- Faculty
- JSPS Fellow, Japan
- Ron Cockcroft Award by Swedish Society, Sweden
- German Science Foundation (DFG), Germany
- UNESCO Fellow, ASCR, Prague, Czech Republic
- Belgian Government Fellow, HRDG, India
- National doctoral Fellowship, AICTE, India
- Senior Research Fellow, CSIR, India
- Senior Research Fellow, Department of BioTechnology (DBT) New Delhi
- Junior Research Fellow, National Dairy Development Board/NTGCFL Gujarat
- FP7 Marie curie-Fellow, Turkey.
- Best Student Award, Indian science Congress Association ISCA 2004.
- Gold Medalist for securing first position in M.Sc degree
- Kempestiftelsen scholarship, Sweden.

Following award were won recently in December 2014

- Dr. Akhil Agrawal, a faculty member of the Department of Microbiology was awarded with Rs. 10,000 for the *REIL award for energy research* at 3rd Rajasthan Science Congress held on February 28th –March 2nd, 2015 at Manipal University, Jaipur, Rajasthan, India.
- Dr. Chandra Sekhar Gahan, a faculty member of the Department of Microbiology was awarded for the *Best Oral Presentation* among all the presentation delivered on various technical sessions of 3rd Rajasthan Science Congress held between February 28th –March 2nd, 2015 at Manipal University, Jaipur, Rajasthan, India

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. -Nil

31. Code of ethics for research followed by the Departments- Nil

32. Student profile course wise:

Year 2012-13 Year

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M. Sc.	120 applications included in the for selection procedure	14	5	N/A	N/A
Ph.D.	32	1	1	N/A	N/A

Year 2013-14

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M. Sc. (2013-14 batch)	114 applications included in the for selection procedure	13	11	N/A	N/A
Integrated M. Sc. (2013-18 batch)	141 applications included in the for selection procedure	8	17	N/A	N/A

Year 2014-15: Need to be filled

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
Integrated M.Sc.	455	8	16	N/A	N/A
M.Sc.	350	8	14	N/A	N/A
Ph.D.	166	2	4	N/A	N/A

33. Diversity of students

Year 2012-13

Name of	% of	% of students	% of students	% of
---------	------	---------------	---------------	------

the Course (refer to question No.4)	students from the same University	from other universities within the state	from universities outside the state	students from other countries
MSc.	None	68.5%	31.5%	0%
Ph.D.	None	100%	0%	0%

Year 2013-14

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MSc.	0%	33%	67%	0%
Integrated M Sc.	0%	N/A	N/A	N/A

Year 2014-15: Need to be filled

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
Integrated M.Sc.	0%	67%	33%	0%
MSc.	0%	67%	33%	0%
Ph.D.	17%	33%	67%	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category wise:

Integrated M.Sc./M. A.:

Batch 2013- 2018 : None

M.Sc. / M. A.:

Batch 2012 - 2014 CSIR – NET Exam: 1 GATE- 2

Batch 2013 - 2015 None

Name of the student	Gender Male Female	Category				Competitive Exam Qualified
		General	SC	ST	OBC	
Sheryans	M	G				CSIR-NET-LS
Dileep	M					GATE
Sweta	F					GATE

35. Student progression

Student progression	Percentage against enrolled
UG to PG	N.A.
PG to M.Phil	N.A.

PG to Ph.D	1
Ph.D to Post-Doctoral	Nil
Employed <ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	Nil
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	Nil
From other universities within the state	2
From universities from other states	4
From universities outside the country	1

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period – None

38. Present details of Departmental infrastructural facilities with regard to

- | | |
|--|-----|
| a) Library- | Nil |
| b) Internet facilities for staff and students- | Yes |
| c) Total number of class rooms- | 2 |
| d) Class rooms with ICT facility- | Yes |
| e) Students' laboratories- | 1 |
| f) Research laboratories- | 1 |

39. List of doctoral, postdoctoral students and Research Associates

- | | |
|--|-----|
| a) from the host institution/University- | Nil |
| b) from other institutions/universities- | 8 |

40. Number of post graduate students getting financial assistance from the University. 6

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

N/A

42. Does the Department obtain feedback from -

a. faculty on curriculum as well as teaching learning evaluation? If yes, how does the Department utilize the feedback?

Yes, it is used for enhancement of the teaching skills of the faculty.

b. students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?

Yes, it is used for overall development of the Department.

- c. **alumni and employers on the programmes offered and how does the Department utilize the feedback?** Currently not applicable
43. **List the distinguished alumni of the Department (maximum 10)-**
N/A (program started in 2012)
44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**
45. **List the teaching methods adopted by the faculty for different programmes.**
- Board teaching & advanced teaching using electronic board and projector
 - Student oral presentations
 - Faculty –student interactive session
46. **How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?**
- Department has a strong emphasis on preparing students for National and International competitive exams for fellowships/scholarships and higher studies.
 - Department also focuses on placement of students in different academic institutions and industries.
47. **Highlight the participation of students and faculty in extension activities.**
- Students of the Department have successfully participated and won at different Intra- University Sports and Cultural activities organized in University during all the academic years
48. **Give details of “beyond syllabus scholarly activities” of the Department.** NA
49. **State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.** N/A
50. **Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.** N/A
51. **Future plans of the Department.**
- The Department plans to establish a centre for excellence for studies related to extremophiles and Dessert associated microbial diversity.
52. **Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.**
- **Strengths:**
 - Faculty members in the Department have diverse and extensive experiences in teaching and research in various aspects of basic and applied microbiology from institutes of National and International repute.

- There is a strong sense of coherence amongst all the faculty members which is expected to have positive influence on the academic and research activities of the Department.
- Students enrolled to the Department are sincere, hard-working and focused towards the mission of the Department.
- **Weakness:**
 - Currently the Department is functioning with limited teaching and Non-teaching staff resources. This limitation is expected to be overcome by the beginning of the next academic session.
- **Opportunities:**
 - The Department is uniquely placed with opportunities for establishing itself as a centre devoted for studies on desert microbiology.
- **Challenges:**
 - One of the major challenges faced by the Department is lack of interest amongst prospective students during the early stages of establishment of the Department. However, it is expected that this challenge shall be overcome in next 1-2 academic sessions.
- 53. Activities reflecting the goals and objectives of the institution: Department plans to organize an International conference on diversity of extremophiles during the next academic session.**
- 54. Examination reforms implemented -**
 - Choice Based Credit System
 - Continuous internal assessment system
- 55. Community services**
 - Vermi-compost for treatment of biological waste generated within the University Campus.
 - Sewage Treatment Plant generated within the University Campus
- 56. Unit cost of education:**
- 57. Computerization of administration and the process of admissions and examination results, issue of certificates - Yes**
- 58. Activities and support from the Alumni Association –**

Batch of 2012-14 is enrolled in Alumni Association. They are right now in initial stage of their career. In future Department will get the support of alumni students
- 59. Activities and support from the Parent-Teacher Association:**
 - Parents of a number of students of the Department have visited University Campus during 2012- 13 session and interacted with the Department Faculty members. They have provided valuable feedback for improving Teacher- Student- Parent interactions.
- 60. Health services:**
 - Yes (provided through University Medical Office)

- 61. Performance in sports activities:**
- Students of the Department are actively participated and won sport events at the Intra-University sports competitions.
- 62. Incentives to outstanding sportspersons**
As per the regulations of the University
- 63. Activities of the Guidance and Counselling unit -** No
- 64. Placement services provided to students-** Yes
(Through Department Placement Committee)
- 65. Development programmes for Non-teaching staff-** N/A
- 66. Good practices of the institution-**
Yes (We have Biosafety course in our curriculum)
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year-**
N/A, started in 2012 so this is first year.
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)-** Yes
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required)**
- Most of the students selected for summer training.
- 70. Plan of action for the next year (attach separate sheet, if required)**
- We are in process of developing microbiology laboratory for our Integrated students
- 71. Any other relevant information the institution / University / Department wishes to add.** Nil

1. **Name of the Department** : Pharmacy
2. **Year of establishment** : 2012
3. **Is the Department part of a School/Faculty of the University?**
Yes the Department is the part of School of Chemical Sciences and Pharmacy, Central University of Rajasthan
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D. Sc., D.Litt., etc.)**
M. Pharm. (Pharmaceutical Chemistry); Ph. D. in Pharmaceutical Sciences
5. **Interdisciplinary programmes and Departments involved**
The second year is completely devoted to research project focusing on the projects related to different subject areas such as biochemistry, biotechnology, chemistry, computational chemistry and microbiology. The designed project represents the interdisciplinary nature of the research work carried out at the Department.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
NA
7. **Details of programmes/courses discontinued, if any, with reasons**
NA
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Semester
9. **Participation of the Department in the courses offered by other Departments.**
The Departmental faculty continuously participates and contributes for the teaching of subjects such as intellectual Property Rights and Research Methodology with the other Departments such as Chemistry. In the course work of the Pre PhD the Department syllabus includes the subjects such as statistics.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Name of the Position	Sanctioned	Filled
Professor	01	NIL
Associate Professor	02	01
Assistant Professor	04	04
11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Prof. M L Sharma	PhD	Former Head and Professor	Organic Chemistry	-	-
Dr. Chhutan Lal Meena	PhD	Assistant Professor	Medicinal Chemistry	-	-
Dr. Sachin Suresh Narkhede	PhD	Assistant Professor	Medicinal Chemistry	-	-
Dr. Vipin Kumar	PhD	Associate Professor	Pharmaceutical Chemistry	14	04
Dr. Devesh M Sawant	PhD	Assistant Professor	Pharmaceutical Chemistry	06	0
Dr Kaiser Raza	PhD	Assistant Professor	Pharmaceutics	03	0
Dr Umesh Gupta	PhD	Assistant Professor	Pharmaceutics	6.5	0
Dr Ruchi Malik	PhD	Assistant Professor	Pharmaceutical Chemistry	09	01

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution
	Prof. CutihNo Evans	Medicinal Chemistry	Bombay College of Pharmacy

13. Percentage of classes taken by temporary faculty – programme-wise information

Integrated M.Sc. / M. A.	:	NA
M.Sc. / M. A./M. Pharm.	:	97 (Approx.)
Ph.D.	:	95 (Approx.)

14. Programme-wise Student Teacher Ratio:

Integrated M.Sc./ M. A.	:	NA
M.Sc. /M. Pharm.	:	09: 1
Ph.D.	:	04: 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff Positions	Sanctioned	Filled	Actual
Laboratory Assistant	DNA	DNA	01

16. Research thrust areas as recognized by major funding agencies

Sl. No.	Thrust Area	Recognizing Funding Agency/ ies
1	Life Sciences	DST

2	Chemical Sciences	CSIR, DST
3	NaNoTechnology	DST

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise.**

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Design, synthesis and biological evaluation of some Novel aryloxy derivatives as potential AChE inhibitors with memory enhancing activity” (Dr Ruchi Malik)	UGC (National)	6.0/6.0 Lac
Evaluation of intranasal delivery of polyamidoamine (PAMAM) dendrimers to deliver drugs to brain bypassing blood brain barrier (BBB) (Dr Umesh Gupta)	UGC (National)	6.0/6.0 Lac
Multi-functional naNotherapeutics for the effective treatment of advanced breast cancer: A dual delivery approach for siRNA and anticancer drug” (Dr Umesh Gupta)	DST (National)	15.0 / 28.54 Lac
Non-invasive Alternative Delivery of Docetaxel employing NaNo-colloidal Drug Delivery Vehicles (Dr Kaiser Raza)	UGC (National)	6.0/6.0 Lac
Design and synthesis of selective irreversible inhibitors of trypanothione reductase as antileishmanial agent.” (Dr Devesh M. Sawant)	DST (National)	12.0/23.0 Lac
Design of FRET Assay for Quantitative and High Throughput Screening of Deubiquitinase Inhibitors (Dr Devesh M. Sawant)	CSIR (National)	4.0/19.0 Lac
Design synthesis and screening of acridine based trypanothione reductase inhibitors as antileishmanial agents.” (Dr Devesh M Sawant)	UGC (National)	6.0/6.0 Lac

18. **Inter-institutional collaborative projects and associated grants received: NIL**

Associated Faculty	Collaboration	Collaborator Grants received

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. NIL
20. Research facility / centre with
- State recognition NIL
 - National recognition NIL
 - International recognition NIL
21. Special research laboratories sponsored by / created by industry or corporate bodies NIL
22. Publications:
- Number of papers published in peer reviewed journals (national / international) : 27
 - Monographs NIL
 - Chapters in Books Edited Books 04
 - Books with ISBN with details of publishers NIL
 - Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - Citation Index – range / average SNIP
 - SJR
 - Impact Factor – range / average - 0.1 to 05
 - H-index
23. Details of patents and income generated

S. No.	Concerned Faculty	Patent Status	Income Generated
1.	Dr. Kaisar Raza	Filed	NIL
2.	Dr Ruchi Malik	Filed	NIL

24. Areas of consultancy and income generated
NIL
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad
NIL
26. Faculty serving in
- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. No.	Concern Faculty	Committee/ Journal	Membership Status
1	Dr Umesh Gupta	BioMed Research International	Editorial Board Member
2	Dr Umesh Gupta	SOJ Journal of Pharmacy and Pharmaceutical Sciences	Editorial Board Member
3	Dr Kaisar Raza	SOJ Journal of Pharmacy and Pharmaceutical Sciences	Editorial Board Member
4	Dr Vipin Kumar	Bulletin of Pharma Research	Associate Editor

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Two of the faculty members has already gone through the orientation programs in different universities. One of the faculty member is in the process of obtaining permission to attend the orientation programme.

28. Student projects

- **Percentage of students who have done in-house projects including interDepartmental projects** 100%
- **Percentage of students doing projects in collaboration with other universities / industry / institute.** 0%

29. Awards / recognitions received at the National and International level by

- **Faculty**

Sl. No	Name of the faculty	Award received	Event (with date) in which award was received	National/International
1.	Dr. Umesh Gupta	CSIR-Nehru Post Doc Fellowship Award in Life Sciences category (2012).	Through Award Letter (HRDG/CSIR-Nehru PDF/LS/EMR-I/01/2012) Dated 14.02.2012	National
2.	Dr. Umesh Gupta	MP Young Scientist Award 2010, by MP Council of Science and Technology, Government of MP, India.	25th Madhya Pradesh Silver Jubilee Young Scientist Congress 2010 22 - 23 Feb, 2010 at Bhopal M.P. India.	State

Sl. No	Name of the faculty	Award received	Event (with date) in which award was received	National/International
3.	Dr. Umesh Gupta	Career Award for Young Teachers by All India council of Technical Education (AICTE -2012).	Through Award Letter (1-51/RIFD/CA/12/2011-2012) Dated 02.02.2012	National
4.	Dr. Umesh Gupta	Ranbaxy Science Scholar Award – 2008 by Ranbaxy Science Foundation, Gurgaon, New Delhi.	XV Annual Symposium on the topic “Hormonal Receptors and Women’s Health” on this occasion, By Ranbaxy Science Foundation, March, 2010 New Delhi	National
5.	Dr. Ruchi Malik	Felicitation for Achievements during March2013-February 2014	6 th Foundation Day of the Central University of Rajasthan	University Level
6.	Dr. Kaisar Raza	Felicitation for Achievements during March2013-February 2014	6 th Foundation Day of the Central University of Rajasthan	University Level
7.	Dr Kaisar Raza	2013 AAPS Quality-by-Design and Product Performance Award	2013 AAPS Annual Meeting and Exposition	International
8.	Dr. Vipin Kumar	APP Young Pharmacy Teacher Award”	1 st Annual National Convention of Association of Pharmacy Professionals held on 7 th April 2012 at Bhopal (MP), India.	National
9.	Dr. Devesh M. Sawant	Felicitation for Achievements during March2013-February 2014	6 th Foundation Day of the Central University of Rajasthan	University Level

- **Doctoral / post-doctoral fellows**

Mr Ashok Kumar, doctoral student, received best poster award at IMB 2015, February 17-18, 2015, Central University of Rajasthan. (National Conference)

• **Students**

Mr Aveenash Gothwal, Ms Ankita Shringi, Mr Harsh Yadav, student, received best poster award at IMB 2015, February 17-18, 2015, Central University of Rajasthan. (National Conference)

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conference/ Workshop	Source of Funding	National/ International
Conference on "Impact of Molecular Biology on Drug Discovery and Development: Promises and Challenges" 17-18 February 2015	DBT	National

31. Code of ethics for research followed by the Departments

Department ensures the code of conduct to carry out the research activity. Every year student has to submit the progress report and present the same before the Departmental research committee. The committee further suggests the changes and modifications to be incorporated in the coming year of research.

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
M. Pharm.		09		100	100
PhD		09		-	-
		01			

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M. Pharm.	0	60	40	NIL
PhD	10	90	0	NIL

* Data Not available with the Department Now.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category wise.

Integrated M.Sc./M. A.: NA

M.Sc. / M. A./M. Pharm:

Batch 2012-2013 GPAT Exam: 06

Batch 2013-2014 GPAT Exam: 14

Batch 2014-2015 GPAT Exam: 10

Name of the student	Gender	Category General SC ST OBC	Competitive Exam Qualified
Vishnu Priya	Female	OBC	GPAT
Elagandhula Sathish	Male	SC	GPAT
Sujit Kumar Dash	Male	General	GPAT
Saurabh Sharma	Male	General	GPAT
Charu Misra	Female	General	GPAT
Mayank Shrivastava	Male	General	GPAT
Mukesh Kumar Dadarwal	Male	OBC	GPAT
Pawan Kumar Pandey	Male	General	GPAT
Sarita Rani	Female	General	GPAT
Chanchal Kiran Thakur	Female	ST	GPAT
Arshad Jamal Ansari	Male	OBC	GPAT
Aveenash Gothwal	Male	SC	GPAT
Iliyas Khan	Male	General	GPAT
Jyoti Yadav	Female	OBC	GPAT
Nitesh Kumar	Male	OBC	GPAT
Devendra Bunkar	Male	SC	GPAT
Amit Kumar	Male	General	GPAT
Ankita Shrigi	Female	General	GPAT
Nagarani Thotakura	Female		GPAT
Shailesh Kumar sharma	Male	General	GPAT
Dinesh Kumar Singh	Male	OBC	GPAT
Bharat	Male	OBC	GPAT
MaNohar Saini	Male	OBC	GPAT
Mohit Garg	Male	General	GPAT
Gaurav Tulsyan	Male		GPAT
Vijay Yadav	Male		GPAT
Dharmendra Chaudhary	Male		GPAT
Pankaj Sharma	Male	General	GPAT
Manish Kumar	Male	ST	GPAT

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil	NA
PG to Ph.D	10
Ph.D to Post-Doctoral	0
Employed	
• Campus Selection	30
• Other than campus recruitment	50
Entrepreneurs	0

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	0
From other universities within the state	0
From universities from other states	100
From universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: NIL

38. Present details of Departmental infrastructural facilities with regard to

a) Library

The central library has sufficient number of books in the area of pharmaceutical sciences. In Central library, there are 100 books (titles) allocated exclusively for Pharmacy and the books of other sciences are also available for pharmacy.

b) Internet facilities for staff and students

The campus has centralized wi-fi and LAN facility in each classroom and labs. The wi-fi facility is available to hostels as well.

c) Total number of class rooms 02

d) Class rooms with ICT facility 01

e) Students' laboratories 02

f) Research laboratories 03

39. List of doctoral, postdoctoral students and Research Associates

a) From the host institution/University:

b) From other institutions/universities:

40. Number of post graduate students getting financial assistance from the University.

NIL.

However the some PG students are getting the AICTE fellowship for their qualification in GPAT examination as fellowship.

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. NA

42. Does the Department obtain feedback from:

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?**

Yes; all the faculty gets consulted prior to the implementation of academic calendar strictly.

- **Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?**

There is a student feedback systems followed to evaluate the teachers. At the end of the session student needs to fulfil the feedback form

- **Alumni and employers on the programmes offered and how does the Department utilize the feedback?** NIL

43. List the distinguished alumni of the Department (maximum 10)

Mr. Iqbal Khan

Ms. Hemlatha Saraswat

Mr. Pankaj sharma

Mr. Gaurav Tulsyan

Mr. Dharmendra Chaudhary

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Time to time the Department organises special lectures to enrich the overall kNowledge of the students. Prof. Neeraj Gupta, from the Department of Architecture were invited for the lecture on “how to write CV”. The lecture detailed the key features to be followed while making CV. Department of Pharmacy starts classes in new academic session with an orientation lecture for newly admitted students. In this orientation lecture, students are being given an overview of Central University of Rajasthan culture, the course content, and then views from the students are also invited. These views/suggestions are then implemented accordingly.

45. List the teaching methods adopted by the faculty for different programmes.

Sometimes the use of projector along with animation is used to teach some concepts like that of biological systems. Faculty design workshops and assignments based on syllabus. Group assignments help students to work as a team. Seminar presentations by students improve their communication and presentation skills. Additionally, the

faculty members also conduct the sudden test during the regular classes. Each faculty member is closely associated with 3-4 students and monitors their learning and subsequent process and progress.

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

As mentioned earlier in the research programme every year student has to submit the progress report and present the same before the Departmental research committee. In the M. Pharm Course three internal exam and one end of semester exam is organized at the end of each semester.

47. Highlight the participation of students and faculty in extension activities.

Students constantly take part in the conference and workshops organized by the different institutions. The student has presented posters and actively participated in such conferences and symposia. The students are equally involved in the activities of the Departmental club as well.

48. Give details of “beyond syllabus scholarly activities” of the Department.

Department has constituted a Pharmacy club to the name of PharmaZest which does take participation in the extracurricular activities including the community services. The club recently organized the drug awareness camp and donated the first aid box to the nursery school run in the University campus.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

The M. Pharm. Course is approved from All India Council for Technical Education (AICTE).

50. Briefly highlight the contributions of the Department in generating new knowledge, basic or applied.

The Department has published more than twenty research/review articles indifferent National and International journal of high repute. The Departmental faculty has filed two patents which are under consideration.

51. Future plans of the Department.

The plan for the next five years focuses on more inNovations in teaching, research and related activities. Dedicated academic training to the students will be provided to enable them to acquire high standards of learning. Research in various thrust areas will be carried out so as to contribute to the society and nation. Getting financial support for research in thrust areas from various funding agencies will also be carried out. ENough attention will be paid towards research for scaling up research practice into commercial viabilities pertaining to newer products useful to society. Moreover, a drug information and

research centre will be started in Department of Pharmacy so as to help the peoples of nearby areas for improving their health standards.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

- **Strengths:** The Department has highly qualified faculty with state of art facilities of the equipment such as NMR, HPLC and IR etc., The Wi-Fi campus facility adds up as an important resource for the research to carry out. The projects granted to the Department sum up to almost the 1.5 Crore INR of money which would hopefully develop a research environment more and more strong and sustained.
- **Weaknesses:** The limited fund, building and lab facilities are our weakness. The fund is one of the important constraint as the newly established Department needs funds for the multidisciplinary tasks to be achieved
- **Opportunities:** Being newly established Department and only three year old there are plenty of opportunities for the teachers as well as students. The opportunities include the establishment of the newer laboratories and introduction of the newer branches of the pharmacy. The establishment of the new laboratories with the required facilities would be aAnother opportunity to look upon.
- **Challenges:** The Department is in initial stage of its establishment. The Department has limited equipment and instruments which needs the enrichment.

53. Activities reflecting the goals and objectives of the institution:

The Departmental faculty members are getting sanctioned day by day the new research projects with good funding. The pass out batch of the students is getting success in the placement in reputed companies as well as in government sectors. Many students has published their work in the reputed journals. The students are qualifying the examinations for various fellowships and scholarships. These all the activities reflects the goals and objectives of the institutes.

54. Examination reforms implemented:

Department has adopted the semester system

55. Community services

The community services are being executed by the Department under the banner of the Departmental club. The Departmental club constantly organized the events which serve to the community

56. Unit cost of education

57. Computerization of administration and the process of admissions and examination results, issue of certificates

The Department follows System online test feed-back attendance

58. Activities and support from the Alumni Association

The students are constantly in touch with the Departmental faculty members. The update of all the students is maintained by the concerned faculty in charge in the Department.

- 59. Activities and support from the Parent-Teacher Association** NIL
- 60. Health services** NA
- 61. Performance in sports activities**
 Student constantly take part in the sport activities at regional and national level. A previous batch student Mr Dharmendra Chaudhary was the active member of the University cricket team.
- 62. Incentives to outstanding sportspersons:** DNA
- 63. Activities of the Guidance and Counselling unit:**
- 64. Placement services provided to students**
 The Department has its own placement cell. The placement cell constantly communicates the emails and other information time to time to the students. The placement cell also organized special lecture of Prof Neeraj Gupta related to the CV writing which was to prepare students to face the interviews.
- 65. Development programmes for Non-teaching staff**
- 66. Good practices of the institution**
 Ensure attendance and class punctuality
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year** NIL
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)** NA
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required)**
 100% student passed out from the M Pharm
- 70. Plan of action for the next year (attach separate sheet, if required)**
 The plan for the next year focuses on more innovations in teaching, research and related activities. Dedicated academic training to the students will be provided to enable them to acquire high standards of learning. Research in various thrust areas will be carried out so as to contribute to the society and nation.
- 71. Any other relevant information the institution / University / Department wishes to add.**

1. **Name of the Department** : Physics
2. **Year of establishment** : 2011
3. **Is the Department part of a School/Faculty of the University?**
School of Physical Sciences
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
Integrated M. Sc., M. Sc., Ph.D.
5. **Interdisciplinary programmes and Departments involved** None
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** No
7. **Details of programmes/courses discontinued, if any, with reasons** No
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System** Semester
9. **Participation of the Department in the courses offered by other Departments.**
Department of Mathematics, Department of environmental science, Department of Chemistry, School of Life Sciences
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Name of the Position	Sanctioned	Filled
Assistant Professor	04	03
Associate Professor	02	01
Professor	01	00

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr Manish Dev Shrimali	Ph.D.	Head, Associate Professor	Non Linear Dynamics	16	02
Dr. Rajneesh K Verma	Ph.D.	Assistant Professor	Fiber Optic Sensors	04	00
Dr. Neeraj Panwar	Ph.D.	Assistant Professor	Materials Science	07	00
Dr. Ajit Kumar Patra	Ph.D.	Assistant Professor	Materials Science	04	00

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Sandeep Kumar	Ph.D.	UGC-Assistant Professor	Materials Science	07	00
Dr. Yashpal Singh Katharria	Ph.D.	Assistant Professor	Materials Science	07	00
Dr. Umeshkanta Thounaojam	Ph.D.	Assistant Professor	Computational Physics	04	00
Dr. Nanda Shakti	Ph.D.	Assistant Professor	Materials Science	02	00

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors NONE

Sl. No.	Visiting Fellow	Area of Specialization	Host Institution

13. Percentage of classes taken by temporary faculty – programme-wise information

Integrated M.Sc. / M. A.: 86%
M.Sc. / M. A. 28%
Ph.D.: 30%

14. Programme-wise Student Teacher Ratio:

Integrated M.Sc./ M. A.: 25:1
M.Sc. /M. A.: 50:06
Ph.D.: 07:04

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Support Staff Positions	Sanctioned	Filled	Actual
Lab Attendent			01
Lab assistant			01

16. Research thrust areas as recognized by major funding agencies

S. No.	Thrust Area	Recognizing Funding Agency/ ies
1.	Non Linear Dynamics	DST
2.	Fiber Optics Sensors	UGC
3.	Materials Science	UGC, IUAC, DST
4.	Cognitive Science	DST

- 17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project wise.**

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received / Approved
1. Dr. Rajneesh K Verma (Theoretical and Experimental studies on surface plasmon resonance based fibre optic sensors)	National/UGC	600000
2. Dr. Ajit Kumar Patra	National/UGC	600000
3. Dr. Neeraj Panwar (Synthesis and characterization of charge ordered manganites for multiferroic applications)	National/UGC	600000
4. Ajit Kumar Patra	National/ DST Fast Track	1800000
5. Dr. Ajit Kumar Patra-Dr. Yashpal	National/IUAC	Nil
6. Dr. Yashpal	Natioanl/DST	1700000
7. Dr. Manish Dev Shrimali (Complex network of Nonlinear oscillators interacting through a common environment)	National/DST/ SERB	23,33,465/-
8. Dr. Manish Dev Shrimali (Synchronization based pattern election in coupled neuronal oscillators in the area of cognitive)	National/DST/CSI	21,81,200/-

- 18. Inter-institutional collaborative projects and associated grants received: Nil**

Associated Faculty	Collaboration	Collaborator Grants received
Dr. Manish Dev Shrimali	National Network for Mathematical and Computational Biology, DST	-

- 19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. Nil**

- 20. Research facility / centre with**

- **State recognition** NIL

National recognition

National Network for Mathematical and Computational Biology

- **International recognition** NIL

- 21. Special research laboratories sponsored by / created by industry or corporate bodies** Nil

- 22. Publications:**

- Number of papers published in peer reviewed journals (national / international) 19
- Monographs No
- Chapters in Books Edited Books No
- Books with ISBN with details of publishers
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average 2-10
- H-index 10

23. Details of patents and income generated None

S. No.	Concerned Faculty	Patent Status	Income Generated

24. Areas of consultancy and income generated None

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

Dr. Manish Dev Shrimali, School on Hands-On Research in Complex Systems, ICTP, Trieste, June 30 – July 11, 2014

Dr. Rajneesh Kumar Verma, Winter school on optics: Light a bridge between earth and space, ICTP, Trieste, Italy, 09 Feb 2015 to 21 Feb 2015.

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify)

S. No.	Concern Faculty	Committee/ Journal	Membership Status
1.	Dr. Ajit Kumar Patra	Journal of Pure and Applied Physics	Editor
2.	Dr. Rajneesh Kumar Verma	Journal of Pure and Applied Physics	Editor
3	Dr. Manish Dev Shrimali	Member, Board of Studies, Department of Physics, Central University of Haryana	2015 -18
4	Dr. Manish Dev Shrimali	Member, Committee of Courses (CoC), Centre of Converging Technology, University of Rajasthan, Jaipur	2015 -18

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

1. Dr. Ajit K Patra has done an UGC Orientation Programme
2. Dr. Rajneesh K Verma, Dr. Ajit K Patra, Dr. Neeraj Panwar and Dr. Sandeep Kumar have done Indian Academy of Sciences Refresher course on Experimental Physics

28. Student projects

- Percentage of students who have done in-house projects including interDepartmental projects 100%
- Percentage of students doing projects in collaboration with other universities / industry / institute. Nil

29. Awards / recognitions received at the National and International level by: None

- Faculty
- Doctoral / post doctoral fellows
- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conference/ Workshop	Source of Funding	National/ International
1. SOCNAM 2013	DST & CSIR	International
2. DST_SERC School on Nonlinear Dynamics 2014	DST	National
3. Refresher Course in Experimental Physics 2015	Indian Academy of Sciences	National

31. Code of ethics for research followed by the Departments: As per the University Norms

32. Student profile course wise:

Name of the Course (refer to question No.4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
Integrated M.Sc.	602	19	09	NA	
M. Sc.	125	15	09	65%	78%

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
1. Integrated MSc.	NA	NA		
2. M.Sc.	00	94%	6%	00
3. Ph.D.	30%	30%	40%	

* Data Not available with the Department Now.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category wise.

Integrated M.Sc./M. A.:

Batch 2013- 2018

M.Sc. / M. A.:

Batch 2011-2013 CSIR- NET Exam: 03

UPSC- IAS Exam: 00

Batch 2012- 2014 CSIR – NET Exam: 03

Batch 2013- 2015 None CSIR NET 01 Gate 12

Name of the student	Gender Male Female	Category		Competitive Exam Qualified
		General	SC ST OBC	
Sunil Kumar Pareek	Male	General		CSIR NET
Kajal Kumawat	Female	OBC		CSIR NET
Amit Jangid	Male	OBC		CSIR NET
Sarswati Devi	Female	OBC		BARC CSIR NET
Kanika Maheshwari	Female	Gen		CSIR NET
Surendra Kumar	Male	SC		CSIR NET
Mukesh Roz	Male	Gen		CSIR NET

35. Student progression

Student progression	Percentage against enrolled
UG to PG	00
PG to M.Phil	00
PG to Ph.D	02/22 (9%)
Ph.D to Post-Doctoral	00
Employed	
• Campus Selection	
• Other than campus recruitment	03
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	None
From other universities within the state	00/08 (0%)
From universities from other states	07/08(88%)
From universities outside the country	01/08(12%)

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period: None

38. Present details of Departmental infrastructural facilities with regard to

- a) **Library** Yes
- b) **Internet facilities for staff and students:** Available
- c) **Total number of class rooms:** 03
- d) **Class rooms with ICT facility:** 01
- e) **Students' laboratories:** 05
- f) **Research laboratories:** 01
39. **List of doctoral, postdoctoral students and Research Associates**
07PhD. 2 RA
- a) **From the host institution/University:** 02 PhD
- b) **From other institutions/universities:** 05 PhD 02 RA
40. **Number of post graduate students getting financial assistance from the University.** 03
41. **Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.** No
42. **Does the Department obtain feedback from:**
- a. **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?**
Yes, Implemented the positive feed back
- b. **Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?**
Yes, Implemented the positive feed back
- c. **alumni and employers on the programmes offered and how does the Department utilize the feedback?**
Yes, Implemented the positive feed back
43. **List the distinguished alumni of the Department (maximum 10)-**
Nil
44. **Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**
The Department organizes the lectures by the eminent persons from time to time such as Professor K L Chopra, From IITD, Professor K Lal INSA New Delhi

S.No.	Name of Faculty	Univ./ Institute
	July 2011 - Dec. 2011	
1	Dr .Sanjeev Chako	IUAC, New Delhi
2	Mr. Anirudh	Pune University
3	Dr .Deboshish Bandopadhyay	BITS Pilani
	January 2012 - June 2012	
4	Prof Prasenjit Sen	HRI, Allahabad
5	Mr. Sandeep De	Basel University, Switzerland

S.No.	Name of Faculty	Univ./ Institute
6	Mr. Somya Haldar	Uppsala University, Sweden
7	Dr. Durganandani	Pune University
8	Prof B. Day	Pune University
9	Dr. Debashish Bandopadhyay	BITS Pilani
10	Prof Sulbha Kulkarni	IISER Pune
11	Prof. R. Prasad	Aligarh Mulim University
	July 2012 - Dec. 2012	
12	Prof D.S. Joag	Pune University
13	Dr. Kiran Adhi	Pune University
14	Dr. Ashish Asgekar	Post Doc from USA
15	Prof. Karan Pal Singh	Punjab University, Chandigarh
	January 2013 - June 2013	
16	Prof. Deepak Kumar	JNU, New Delhi
17	Prof. K. L. Chopra	Former Director IIT Khargpur
18	Prof. J. C. Pivin	CSNSM-IN2P3, France
19	Neeta Deb	IISER Pune
20	Deshdeep Sahdev	IIT Kanpur
	July 2013 - Dec. 2013	
21	Professor D. G. Kanhere	Pune Univeristy
22	Dr. Ambarish Kunwar	IIT Bombay

45. List the teaching methods adopted by the faculty for different programmes.

1. Class room /Black board teaching
2. ICT board teaching
3. Power Point Presentation
4. Seminars

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

- 1 evaluation of the students by three internal tests
- 2 Students Presentations

47. Highlight the participation of students and faculty in extension activities. Nil

48. Give details of “beyond syllabus scholarly activities” of the Department.

Organized National Science Day

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details. No

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied. Nil

51. Future plans of the Department.

1. To do the high level research in the field of materials science, computational physics, and fiber optic sensors etc
2. To propose a new Department under the school of physical sciences

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

- **Strengths:** Young and dynamic faculty, transparent evaluation system.
 - **Weaknesses:** University is isolated from the city, Non availability of the research grants from the University, lack of good research laboratories, less number of faculty members.
 - **Opportunities:** Students can be benefitted by the experience of the faculty's overseas experience.
 - **Challenges:** To open more fundamental and applied courses and to nurture the students.
- 53. Activities reflecting the goals and objectives of the institution:**
1. We are doing teaching and research in such a way so that we can develop human resources for the sustainable society.
- 54. Examination reforms implemented:** As per University Norms
- 55. Community services:** Cleanliness, Plantation etc.
- 56. Unit cost of education :** As decided by the University
- 57. Computerization of administration and the process of admissions and examination results, issue of certificates** Yes
- 58. Activities and support from the Alumni Association** No
- 59. Activities and support from the Parent-Teacher Association** No
- 60. Health services -** Yes
- 61. Performance in sports activities-** Yes
- 62. Incentives to outstanding sportspersons-** No
- 63. Activities of the Guidance and Counselling unit-** Regular career counselling to the students
- 64. Placement services provided to students-** We have a placement cell
- 65. Development programmes for Non-teaching staff** None
- 66. Good practices of the institution-** Teaching and Learning, Research, Sports
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year**
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)**
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required)**
- 70. Plan of action for the next year (attach separate sheet, if required) Teaching and Research**
- 71. Any other relevant information the institution / University / Department wishes to add.** None

1. **Name of the Department** : Public Policy Law & Governance
2. **Year of Establishment** : Academic year 2012-13
3. **Is the Department part of a School/Faculty of the University?** Yes, School of Social Science
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)**
 - PG Course MA in Public Policy Law & Governance
 - PhD in Public Policy Law & Governance
5. **Interdisciplinary programmes and Departments involved**

Integrated MSc B Ed Programme along with School of Chemical Science & Pharmacy, School of Mathematics Statistics & Computational Science, School of Life Science, School of Physical Science, School of Earth Science and School of Social Sciences.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc. (No)**
7. **Details of programmes/courses discontinued, if any, with reasons (No)**
8. **Examination System:** Annual / Semester / Trimester / Choice Based Credit System
9. **Participation of the Department in the courses offered by other Departments**

Department has introduced course MSE 406 Policy making Institutions in India for the students of MSc Environmental Science apart from this all Departmental courses are open to students of other Department under choice based credit system. Students of Humanities and Languages have opted for the Departmental courses MPLG204 under the choice based credit system
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

	Sanctioned	Filled
Professor	01	00
Associate Professors	02	02
Asst. Professors	04	04
Others		
11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 years
Dr S N Ambedkar	M.A, M.Phil, Ph.D	Associate Professor & Head	Local Governance (Panchayati Raj), Rural Development, Indian Government and Administration, Public Policy, Distance Education.	30	03
Dr.S. Kandasamy	MA, MSc, MCA,M.L., M.L., LL.M, Ph.D(Law)	Associate Professor	Constitutional Law, Human Rights and International Law, Intellectual Property Law, Labour Law, Administrative Law, , Constitutional Law	14	03
Dr.Gyana Ranjan Panda	MA, M.Phil ,Ph.D, UGC-NET	Assistant Professor	Public Policy, Governance, Gender, Government Finances, Climate Change Policy, Water and Sanitation Policy, Energy Policy, Budgeting in India and other South Asian countries	10	01
Dr.Jose Almin C	MA, M.Phil, Ph.D UGC-NET	Assistant Professor	Governance, Local Governance, Public Policy Analysis	03	NIL
Anjan Kumar Sahu	MA, M.Phil, Ph.D, (submitted in Delhi University), UGC-NET	Assistant Professor	Human Security, Environmental Security and Climate Change, Security studies, International Relations, Politics of Development	03	NIL
Jeevan Kumar	M. A, M.Phil, Ph.D (submitted University of Hyderabad)	Assistant Professor	Public Policy, Public Sector Management, Governance and Leadership	06	NIL

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors (Emeritus Professor)

Sl No.	Visiting Fellow (Emeritus Professor)	Area of Specialization	Host Institution
1	Prof. Rajendra Prasad Joshi	Public Administration	Central University of Rajasthan (Sponsored by UGC)

13. Percentage of classes taken by temporary faculty – programme-wise information (75%)

(Till July 2013, there were two Assistant Professor (on contract basis) was undertaking classes, after that all the classes have been taught by Regular Faculties)

14. Programme-wise Student Teacher Ratio (For both MA and Ph.D) (1:3)

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual (Nil)

Support Staff Positions	Sanctioned	Filled	Actual
0	Not Known	0	0

Note: No supporting staffs have been provided to the Department. All the Departmental works have been undertaken with the support of Faculty Members of the Department

16. Research thrust areas as recognized by major funding agencies (NIL)

S. No.	Thrust Area	Recognizing Funding Agency/ ies
1	Gender Studies/Policy	National Commission for Women, UNWomen, UNDP, UGC, ICSSR
2.	Climate Change policy and Governance	UGC, Climate Works Foundation, Oxfam India, ICSSR
3.	Water	WaterAid, IDRC-Canada
4.	Dalits and Adivasis	UGC, ICSSR
5.	Rural Development and Pachayati Raj	NABARD, Rural Development Ministry, CaPART

17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise. NIL

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Dr. Gyana Ranjan Panda (Principal Investigator)	National (University Grants commission-	8.5 Lakhs

Project Title: "Assessment of Policy Priorities for Low Carbon EcoNomy in India	Major Research Project	
Dr. Gyana Ranjan Panda (Principal Investigator) Project Title: "Gender Bias in Higher Education Institutions (HEIs): Gender Audit of State Universities in Rajasthan"	National (National Commission for Women)	Approx 6.4 Lakhs
Dr. Almin Jose (Principal Investigator) Project Title: Financial Exclusion: A Case Study of Women Weavers of Rajasthan	National (National Commission for Women)	Approx 3 lakh

18. Inter-institutional collaborative projects and associated grants received (NIL)

Associated Faculty	Collaboration	Collaborator Grants received
NIL	NIL	NIL

a) National collaboration b) International collaboration

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. NIL

20. Research facility / centre with NIL

- State Recognition
- National Recognition
- International Recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies - NIL

22. Publications: This is the Publication Records of the entire faculty Members of the Department so far.

Name	Number of Papers published in peer reviewed Journals (National/ International)	Monographs	Chapters in Books/ edited books	Book with ISBN with details of Publishers	Citation Index-Range/Average	SNIP	SJR	Impact factor Range/Average	H-index
Dr S N Ambedkar	19	4	3	07	27	0	0	01-08	03
Dr.S. Kandasamy	10	0	2	0	0	0	0	0	0
Dr.Gyana Ranjan Panda	10	07	07	0	08	0	0	0.25-1	02

Dr. Jose Almin C	0	0	0	0	0	0	0	0	0
Anjan Kumar Sahu	4	0	0	0	0	0	0	0	0
Jeevan Kumar	1	0	2	0	0	0	0	0	0

23. Details of patents and income generated NIL

24. Areas of consultancy and income generated NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

S.No	Faculty Name	Host Institution
1.	Dr. Gyana Ranjan Panda, Assistant Professor	Asian Development Bank, MaNila, Philippines to attend International Level workshop and subsequent conference on Impact Evaluation of policy and programmes. (September 1 - 5, 2014)

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards
d) any other (please specify)

Sl. No.	Concern Faculty	Committee/ Journal	Membership Status
1	C. Jeevan Kumar	Public Affairs and Governance Journal	Associate Editor
2	Dr. Gyana Ranjan Panda	International Journal of Diplomacy and EcoNomy (Inderscience Publishers)	Editorial Board Memeber

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Name	Designation	Type of the Programme	Details
Dr. Gyana Ranjan Panda	Assistant Professor	Orientation Program	UGC-Academic Staff College, Jawaharlal Nehru University 23-02-2015 to 20-03-2015
Dr. Jose Almin Cicity	Assistant Professor	Orientation Program	UGC-Academic Staff College, Goa University 1 st - 28 th November 2014.

Anjan Kumar	Assistant Professor	Orientation Program	UGC-Academic Staff College, Utkal University 11 th November to 8 th December 2014
C. Jeevan Kumar	Assistant Professor	Orientation Program	UGC-Academic Staff College, University of Hyderabad January 8 to 4 February, 2015

28. Student projects

- Percentage of students who have done in-house projects including interDepartmental projects
- Percentage of students doing projects in collaboration with other universities / industry / institute
- ASER Survey Report- 2013 and 2014 in collaboration with the Dept. of Social Work, Central University of Rajasthan.
- The students were involved in collecting the data for the project on the status of primary education in Ajmer District of Rajasthan.

29. Awards / recognitions received at the National and International level by

- **Faculty** -Dr. S.Kandasamy awarded with Best Paper at International Conference in EAST, Kanyakumari (2014)
- **Doctoral / post doctoral fellows**
- **Students**

30. Seminars / Conferences / Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- National Workshop on 'Teaching Public Policy, Media and Law' was held on 1-2 November 2012 organised in collaboration with CCMG, Jamia Millia Islamia New Delhi and Culture and Media Studies, Central University of Rajasthan.
- National Workshop on Management of University Administration" organised in collaboration with Association of Indian Universities 11-15 March 2013

31. Code of ethics for research followed by the Departments

As per the Ethics of Research, policy of the University

32. Student profile course wise:

Name of the Course (refer to question No. 4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MA (2012-14)	0%	100%	0%	0%
MA (2013-15)	0%	100%	10%	0%
MA (2014-16)	0%	100%	22%	0%
Ph.D (2013-14)	0%	0%	100%	0%
Ph.D (2014-15)	25%	0%	75%	0%

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

NET: 01 Student in MA 2012-14

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil	NA
PG to Ph.D	25%
Ph.D to Post-Doctoral	NA
Employed	NA
<ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	
Entrepreneurs	NA

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	0
From other universities within the state	0
From universities from other states	100%
From universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

One faculty member got her Ph.D awarded and Two Faculty members are yet to receive their Ph.D award. But they have submitted their Ph.D thesis in their respective Universities.

38. Present details of Departmental infrastructural facilities with regard to

- | | |
|--|-------|
| a) Library | NIL |
| b) Internet facilities for staff and students
(Yes Six laptops with Wi-Fi connectivity) | |
| c) Total number of class rooms | 6 |
| d) Class rooms with ICT facility | (Two) |
| e) Students' laboratories | One |
| f) Research laboratories | One |

39. List of doctoral, postdoctoral students and Research Associates

- | | |
|---|-----|
| a) from the host institution/University | NIL |
| b) from other institutions/universities | NIL |

40. Number of post graduate students getting financial assistance from the University- Six

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes Experts comments and feedbacks

42. Does the Department obtain feedback from?

- a. faculty on curriculum as well as teaching learning evaluation? If yes, how does the Department utilize the feedback?

Head of the Department takes feedback from the faculty on the relevance of the contents of the syllabus for the course. Besides, the methods involved in teaching will be reviewed regularly. It is proposed to review the curriculum of the PPLG in the next academic year.

- b. students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback? (Four times in a semester on faculty teaching)

Head of the Department also takes feedback from the students in terms of the understanding the lessons taught by faculty, and intervenes if necessary. The coverage of the syllabus and problems pertaining to understanding key concepts and theories in public policy is taken care of by the faculty.

- c. alumni and employers on the programmes offered and how does the Department utilize the feedback?

The Department maintains the alumni and invites them to encourage the current students through their experience. Feedback given by alumni helps the faculty to improvise teaching in the forthcoming semesters.

43. List the distinguished alumni of the Department (maximum 10)

All the pass-out students of the 2012-14 MA batch are part of the Department Alumni. However Mr. Nishant Rajoria who has taken admission in JNU in M.Phil and Ph.D programme has excelled in the Batch.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

- Prof.I. Ramabrahmam from University of Hyderabad delivered lectures on Public Policy and Public Administration from 9- 16 August 2012, and 27 October-3 November 2012.
- Prof. G Haragopal, Retired Prof. University of Hyderabad delivered lectures on Human Rights, Research Methodology, Bureaucracy and Nature of State from 31 August-3 September 2012.
- Prof SriKrishnaDevaRao, Prof of Law and Registrar of National Law University New Delhi took lecture series on the Paper Law and Development from 23 Oct -28th Oct 2012.
- Prof KuldeepMathur Retired Prof. Jawaharlal Nehru University (JNU), Dr.AmitPrakash of JNU, Prof Avanish Kumar of MDI, Gurgaon, Dr, Kannamma of University of Mumbai interacted with the students 1- 2 November 2012.
- Saurabh Anand, Assistant Prof. from Gujarat National Law University, Gandhinagar delivered a lecture on Property Rights on 2 November 2012.
- Prof V S Prasad, Ex- Director NAAC, UGC, delivered a lecture on Public Policy Law and Governance Opportunities and Recent challenges on 22nd November 2012.

S.No	Guest Lecture	Topic	Date
1	By Prof.R.K Arora	On "Comparative Public Administration"	15 October 2013
2	By Prof. A.Gnanam	On Higher Education Policies in India	8 January 2014 to 9 January 2014
3.	By Experts (Hasrat Arjumend and Ajay Bhansingh), from Foundation for Ecological Security, Bhilwara, Rajasthan	Ecological Security in Rajasthan	31 March 2014

4	Distinguished Lecture by Former Ambassador Ranjit Gupta	Developments in the West Asia	29 August, 2014
5	Distinguished Lecture by Former Ambassador Yogendra Kumar	India's Response to Maritime Challenges in the 21 st Century	14 October, 2014
6	Guest Lecture by Dr. Jyotsna Jhan, Executive Director of Centre for Budget and Policy Studies	Education Policy in India and Decentralization in India	29 October, 2014
6	Distinguished Lecture by Former Ambassador Manju Seth	India's Engagement with France and the OECD	14 November, 2014
7	Prof. Santosh Panda	Education Day	11 November, 2014

Tea with Guests in the Department

- Prof. Naresh Dadich, Hon'ble Vice Chancellor, Vardhaman Mahavir Open University, Kota, Rajasthan.
- Prof. P.C Mathur, Retired Prof, Dept of Political Science Rajasthan University, Jaipur.
- Prof. SN Singh, Head, Dept of Political Science and Public Administration, MDS University, Ajmer.

45. List the teaching methods adopted by the faculty for different programmes.

Teaching methods adopted are class lecturing and use of ICT and Power point presentations only wherever necessary. In the conventional style lectures, the teacher makes the students participate in the class actively in discussions, in preparing the list of issues, what in the students opinion should be the case.....etc. And simultaneous evaluation of the grasp on the topic of the students by posing questions in between and at the end of the lecture. In addition to this students are to participate in the seminars and give presentations on topics covered in class.

Besides, Faculty keep trying to change the teaching methods to make the learning interesting to the students. It ranges from a traditional method of teaching to blending it the audio-video visuals. They are engaged in providing audio-video lessons in public administration under the initiative of e-pathasala by UGC. It is proposed to bring case study methods in the class since next academic year.

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

It is through the regular Departmental committee meetings, consultation

47. Highlight the participation of students and faculty in extension activities.

Department has planted plants and trees under the NSS drive and contributed towards keeping the campus clean.

On 11 November, 2014, the students of the Department visited the nearby village Mandoti. They held a Education Awareness Campaign by sloganeering in the streets of the village.

In the month of March, same event was held in aNother village Noharia. This time Sanitation Campaign was added.

48. Give details of “beyond syllabus scholarly activities” of the Department.

(Lectures, Seminars and Tea with Guest and students level competition). Besides, in the Month of March, 2015, the Department held a Policy Fest to popularise the new course in public policy in the Department. It held a series of events- such as Youth Parliament, Quiz Competition and debate.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details. No

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.

PhD's submitted by faculty and research done by research scholars

51. Future plans of the Department.

- National and International collaboration with leading public policy institutes.
- Creating a policy dialogue in the country by publishing a dedicated Public Policy Journal from the Department.
- Organising National and International conferences and policy events in the University to enable the interface with the external policy communities.
- Reorienting the Department as a dedicated policy research centre working on original research on socio-ecoNomic and policy issues in the country.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths:

1. Young faculty, energetic and well read.
2. Active Research programme with PhD enrolment
3. Good infrastructure latest ICT gadgets

Weakness:

1. Lack of supporting staff to maintain the Departmental infrastructure.
2. Lack of exposure to international policy events and discourses to the students and faculties
3. Lack of international and national character in students profile

Opportunities

1. The subjects is a emerging field of study in the academic field
2. Few Central Universities have dedicated public policy programme
3. Truly multidisciplinary character in teaching and research
4. Job possibilities in Public Policy is huge in Non-governmental sector

Challenges:

1. Attracting bright students to enroll in PPLG.
2. UGC has failed to begin NET-JRF exam in public policy and governance.

53. Activities reflecting the goals and objectives of the institution

As mentioned above col. 44

54. Examination reforms implemented

Timely conduct of all examination work

55. Community services

- Visiting the nearby villages to bring awareness on education and health.
- Plantation within the campus by the students

56. Unit cost of education

Relevant data not available with Department

57. Computerization of administration and the process of admissions and examination results, issue of certificates.

Fully computerised

The list of the students along with their CUCET Entrance marks is submitted to the Dept. by the COE or by the Academics Section. Based on this list the Dept. sends E-mails and Phone calls to the prospective candidates to appear in the Counselling sessions along with the other documentary evidence and certificates. On the assigned date of Counselling, the students have to sign in the attendance sheets provided to register their presence. In addition they are required to give the details of the CUCET (Common Entrance Test) score and the % of marks scored in their graduation. This details are verified on the spot viz a viz the original certificates produced. On the basis of this, and the proportions of the weighted components the final merit list is prepared. This merit list is then projected on the screen in the room for the participating candidates to check for any discrepancies or corrections. Based on this verified and confirmed merit list the students are admitted to the course as per the seats available in the respective categories. In case the seats are unfilled in any category aAnother round of Counselling is arranged where students who could Not get admission in the first round are taken up, and the seats are converted to fill in the remaining unfilled seats.

58. Activities and support from the Alumni Association NA

- 59. Activities and support from the Parent-Teacher Association NA**
- 60. Health services-** Moderate health services provided in the University.
- 61. Performance in sports activities**
- Under the Policy Forum, An association of the Dept, where the members of the association are the Faculties and the students of the Dept. The Forum conducted various literary events, Sports and Artistic Events. In the outdoor sports events the dept conducted Kadaddi, and Badminton leagues in the University.
- 62. Incentives to outstanding sportspersons:**
- Students/Teams who won the tournaments were awarded with certificates and trophies by the Dept of PPLG at the end of the entire events.
- 63. Activities of the Guidance and Counselling unit.**
- The Department has Guidance and counselling Unit for the students in which Faculty members provide mentorship to the students on their career difficulties and learning difficulties. Faculty members provide bridge courses to the later learners.
- 64. Placement services provided to students Yes**
- The Department has a placement cell in which Students get due support from the Faculty members. Students are encouraged to undertake summer internship in various institutes /NGOs/ research Institute during this time. In MA 2012-14 batch 2 students were given scope to undertake internship; in 2013-15 MA Batch, all the students took internship; in 2014-16 MA batch more than 60% MA students were given chance to undertake internship. The Department is looking forward to provide the students the opportunity to seek employability in outside institutes and NGOs.
- 65. Development programmes for Non-teaching staff NA**
- The Department does Not have any Non-teaching staffs attached to it.
- 66. Good practices of the institution**
- Choice based Credit system
 - Entrance only through All India Entrance test
 - Three rounds of short-listing for PhD
 - Mentoring: Each student of the Department will be assigned a Mentor who is a faculty in the Department. Mentor will give the student advice at both personal and academic levels to attain the overall development of the students. Special focus is laid on boosting the confidence of the students hailing from the disadvantaged sections, women and rural areas.
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year NA**

68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)

Following Plan of actions are made in the last Academic Audit of the Department:

- A University level Guest faculty policy should be formulated.
- Faculty should be encouraged to apply for more external projects
- Faculty should be encouraged to participate more such conferences/workshops/seminar.
- Department should undertake more collaborative works with other industries/Research Organisations and NGOs.
- Department should undertake more extensive activities
- Department should organise more conferences and workshops
- Research scholars should be encouraged to write more research papers
- Non-teaching staffs should be available to the Department which is missing Now
- Short-term executive programme for the policy makers.

69. Outcomes achieved by the end of the year (attach separate sheet, if required) NA

70. Plan of action for the next year (attach separate sheet, if required)

- Excelling in teaching, research and setting paradigms of innovative learning in inter-disciplinary learning.
- Department intends to start Post-Doctoral course in the coming year with active collaboration with international institutes.
- Department would try to ensure that the dropout rate of the course is lowered

71. Any other relevant information the institution / University / Department wishes to add. NA

1. **Name of the Department** : Social Work
2. **Year of Establishment** : Academic year 2012-13
3. **Is the Department part of a School/Faculty of the University?** Yes, School of Social Science
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc. D.Litt., etc.)**
 - PG Course MA in Social Work
 - PhD in Social Work
5. **Interdisciplinary programmes and Departments involved**

Courses offered by your Departments to the Students of other Departments			Courses of other Departments taken by the students of your Department		
Department	Code & Title	Credits	Departments	Code & Title	Credits
Social Work	Working with Communities MSW-202	2	English	MSW-106 Communication Skills	2
Social Work	NGO Management MSW-301	2	Computer Science	MSW-107 Computer Skills	2

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.** No
7. **Details of programmes/courses discontinued, if any, with reasons** No
8. **Examination System:** Semester with Choice Based Credit System
9. **Participation of the Department in the courses offered by other Departments**

Students from the Department are taking courses from Department of English and Computer Sciences.
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Post	Sanctioned	Filled
Professor	1	NIL
Associate Professor	2	1
Assistant Professor	4	3
Assistant Professor (Temporary Appointments)	NIL	3

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 years
Dr. Jagdish Jadhav	MSW, PhD	Associate Professor	Community Development, Natural Resource Management, Advocacy, Skill Development	15	3
Dr. Shaizy Ahmed	MSW, PhD	Assistant Professor	Ageing, Community Work and HRM	6	1
Dr. Atiq Ahmed	MSW, PhD	Assistant Professor	Medical and Psychiatric Social Work, Mental Health	8	1
D.P. Negi	MSW, UGC-JRF	Assistant Professor	Child & Youth Development & Social Work,	2	NIL
Vinay Suhalka	MSW, UGC-JRF	Assistant Professor	Health and Development, Disability Studies, Development Management	3	NIL
Abdul Azeez E.P	MA, MSW, MPhil, UGC-JRF	Assistant Professor	Medical and Psychiatric Social Work, Psychosocial Interventions, Community & Public Health	4	NIL
Vijay Jathore	MA, UGC-NET	Assistant Professor	Corporate Social Responsibility, Community organization & Development	4	NIL

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

NIL

13. Percentage of classes taken by temporary faculty – programme-wise information

42%

14. Programme-wise Student Teacher Ratio

For both MA and Ph.D- 1:3

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

NIL

Support Staff Positions	Sanctioned	Filled	Actual
NIL	Not kNown	0	0

16. Research thrust areas as recognized by major funding agencies

Sl. No.	Thrust Area	Recognizing Funding Agency/ies
1	Water, Eco-WaSH, Natural Resource Management	DST

17. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise.

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Dr. Jagdish Jadhav JALSHALA: An Action Research for Institutional capacity building and community empowerment through workshop series	DST-NCSTC, New Delhi	17 Lakhs

18. Inter-institutional collaborative projects and associated grants received NIL

a) National collaboration b) International collaboration

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. NIL

20. Research facility / centre with

- State recognition NIL
- National recognition NIL
- International recognition NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies

(NIL)

22. Publications: (This is the Publication Records of the entire faculty Members of the Department so far)

Name	Number of Papers published in peer reviewed Journals (National/ International)	Monographs	Chapters in Books/e dited books	Book with ISBN with details of Publishers	Citation Index-Range/A verage	SNIP	SJR	Impact factor Range/A verage
Dr. Jagdish Jadhav	12	-	2	5	20	-	-	-

Dr. Shaizy Ahmed	3	-	2	-	-	-	-	-
Dr. Atiq Ahmed	18	-	-	-	-	-	-	-
D.P. Negi	1	-	-	-	-	-	-	-
Vinay Suhalka	1	-	1	-	-	-	-	-
Abdul Azeez E.P	13	-	1	-	-	-	-	2
Vijay Jathore	-	-	-	-	-	-	-	-

- 23. Details of patents and income generated** NIL
24. Areas of consultancy and income generated NIL
- 25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:** NIL
- 26. Faculty serving in**
- a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Sl. No.	Concern Faculty	Committee/ Journal	Membership Status
1	Dr. Jagdish Jadhav	Indian Journal of Sustainable Development	Chief Editor
2	Abdul Azeez E.P	Indian Journal of Sustainable Development	Associate Editor
		Universal Journal of Public Health	Reviewer

- 27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).**

Name	Designation	Type of the Programme	Details
Dr. Shaizy Ahmed	Assistant Professor	Orientation Programme	UGC Academic Staff College, Aligarh Muslim University. 3 rd December to 26 th December 2013.
Dr. Atiq Ahmed	Assistant Professor	Refresher Course	UGC Academic Staff College, Hyderabad Central University. 2 nd December to 23 rd December, 2014
Dr. Shaizy Ahmed	Assistant Professor	Associateship Programme	Indian Institute of Advanced Studies, Shimla

			1 st November, 2014 to 30 th November, 2014.
Dr. Shaizy Ahmed	Assistant Professor	ICSSR Capacity Building Programme on Research Methodology (refresher)	Department of Psychology, Jamia Milia Islamia. 12 th March, 2015 to 26 th March, 2015.

28. Student projects

Percentage of students who have done in-house projects including inter Departmental projects

Percentage of students doing projects in collaboration with other universities/ industry/ institute:

Sl. No	Name of the Student	Title of the Project	Faculty Supervisor	Academic Session
1	Jitendra Saini	Impact of MGNREGA on BPL Families: A study of DUDU District of Jaipur	Mr. D.P. Negi	2013-14
2	Subhangi Goel	A study on Socio-EcoNomic Empowerment of Women through Self Help Group	Dr. Shaizy Ahmed	2013-14
3	Kumar Sagraneel	Social Vulnerability Amongst Migrant Workers: A Case Study of Central University of Rajasthan's Construction Workers	Dr. Jagdish Jadhav	2013-14
4	Parthsarathi Dehurey	KNOWledge and Practices of Family Planning Measures Amongst the male Migrant Workers: A Case study of Central University of Rajasthan's Migration Workers	Dr. Jagdish Jadhav	2013-14
5	Dinesh Nagarwal	A Study on problems of Old Age Pensioners Residing in Silora Gram Panchayat	Dr. Atiq Ahmed	2013-14
6	Sandeep Kumar Swami	Marginalization and Social Exclusion of Nat Community in Rajasthan: A study of Bandar Sindri Village, Ajmer	Mr. D.P. Negi	2013-14

Sl. No	Name of the Student	Title of the Project	Faculty Supervisor	Academic Session
7	Hemraj Jangir	Parental attitude and children's perception on gender discrimination: Evidences from Rural Rajasthan	Mr. Abdul Azeez EP	2014-15
8	Abhijeet Kumar Singh	Circumstances and context of slum dwellers: A study with special reference to Ajmer city.	Mr. Abdul Azeez EP	2014-15
9	Piyush Kumar	KNOWledge, Attitude and practices of child care: A study of Sahariya tribe	Mr. Vijay Jathore	2014-15
10	Surabhi Mehta	A study on identification of reproductive health and child care practices amongst the women of rural Rajasthan.	Dr. Shaizy Ahmed	2014-15
11	Pankaj	Socio-economic condition of tribal in Rajasthan, A case study of Sahariya community in Sahbad, Baran Rajasthan	Mr. Vijay Jathore	2014-15
12	Girdhari Lal	Burden and coping among caregivers of patients with mental illness in Rajasthan	Mr. Vinay Suhalka	2014-15
13	Nishtha Mishra	Assessment of quality of life of patients suffering from end stage kidney failure undergoing maintenance Hemodialysis.	Mr. Vinay Suhalka	2014-15
14	Satyapal Singh	A study on social vulnerability of migrant labours in Kishangarh.	Mr. D.P. Negi	2014-15
15	Murad Ahmed	Identifying educational impediments and opportunity for children of rural Rajasthan	Dr. Shaizy Ahmed	2014-15
16	Navel Kishore Mali	A study of women participation in PRI Evidence from rural women with special reference to Silora Panchaya Samiti.	Mr. Vinay Suahalka	2014-15
17	Rashmi Ranjan Sahu	KNOWledge, attitude and practices of water and sanitation management: A study on special	Dr. Jagdish Jadhav	2014-15

Sl. No	Name of the Student	Title of the Project	Faculty Supervisor	Academic Session
		reference to Rural Rajasthan.		
18	Mohammed Ajaj Sheikh	Knowledge, Attitude, Practices among Students on Road Safety: A Study on Special Reference to Central University of Rajasthan Students	Mr. D.P. Negi	2014-15
19	Jahid Akter Shiekh	Academic Stress among University Students	Dr. Atiq Ahmed	2014-15
20	Harish Kumar Chaudhary	A Study among Truck Drivers on Road Safety in Rajasthan	Dr. Atiq Ahmed	2014-15

29. Awards / recognitions received at the National and International level by

S. No.	Name of the faculty	Award received	Event (with date) in which award was received	National/International
1	Dr. Atiq Ahmed	Certificate with medal	ISPSW Annual Conference, Karnataka 20-22 nd January, 2014	National
2	Dr. Shaizy Ahmed	Certificate with medal	International Conference on Higher Education in India: Policies and Practices” 21-22 June, 2014.	International

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- Colloquium on Dissemination of ASER Results – in Collaboration with Pratham, Jaipur.
- Workshop on Human Rights in Collaboration with National Human Right Commission, New Delhi on 24th March, 2015.

31. Code of ethics for research followed by the Departments

As per the Ethics of Research, policy of the University.

32. Student profile course wise:

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
MA- 2012-14	0	73	27	0
MA- 2103-15	0	79	21	0
MA- 2014-16	0	70	25	5
PhD- 2014	0	50	50	0
PhD- 2015	0	66	33	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

MA- 2012-14- 03

MA- 2013-15- 02

35. Student progression

Department	Year	UG to PG	PG to PhD	PhD to Post-Doctoral	Employed	
					Campus Selection	Other than Campus Selection
Social Work	2013-14	NA	NA	NA	4 Students (22%)	14 Students (77%)

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	0
From other universities within the state	0
From universities from other states	100
From universities outside the country	0

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period NIL

38. Present details of Departmental infrastructural facilities with regard to

- a) Library NIL
- b) Internet facilities for staff and students (Yes Seven laptops with Wi-Fi connectivity)
- c) Total number of class rooms 2
- d) Class rooms with ICT facility Two
- e) Students' laboratories One
- f) Research laboratories One

39. List of doctoral, postdoctoral students and Research Associates

- a) from the host institution/University NIL
- b) from other institutions/universities NIL

40. Number of post graduate students getting financial assistance from the University. Four

- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

Yes Experts comments and feedbacks

- 42. Does the Department obtain feedback from**
a. faculty on curriculum as well as teaching learning evaluation? If yes, how does the Department utilize the feedback?

Yes. The feedback from the faculties is used to plan the forthcoming year.

- b. students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback? (Four times in a semester on faculty teaching)**

There will be a review meeting at the end of every month to evaluate the completion of syllabus and to understand the difficulties of students. The feedback is used to take necessary corrective measures.

- c. alumni and employers on the programmes offered and how does the Department utilize the feedback?**

Department continuously keep in touch with alumnus and take their feedback for strengthening the curricular and extracurricular aspects.

- 43. List the distinguished alumni of the Department (maximum 10)**

- 44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.**

Guest Lecture Series

1. A Guest Talk was given by Mr. Naresh Madani, Community Development Officer, Word Vision India, on "Social Work and Community Development" on 15th September, 2014. The lecture was enriching for the students to understand the basics of community work in the rural arena of India.
2. A guest talk was organized by the Department of Social Work on "Career and Higher Education Prospects of Social Work in India and Abroad" on 9th December, 2014. Mr. Sudhir Maske and Mr. Abhishek Thakur, Assistant Professors of Delhi School of Social Work talked on the prospects of social work in the current social scenario. Mr. Sudhir emphasized on the opportunities of scholarships in the foreign countries.
3. Prof. Rajiv Gupta, Professor, Department of Sociology, Rajasthan University interacted with PhD Scholars on different dimensions of research on 5th January, 2015.
4. On 6th January, 2015, Department has organized a guest lecture on "Career Opportunities in CSR". Mr. Vijay Jathore from Tata Institute of Social Sciences has given the lecture. He emphasized the emerging

trends and opportunities for Social Work profession in the field of Corporate Social Responsibility.

5. Mr. Bharat R, Lecturer, Pondicherry University has given a lecture on "Career Opportunities in the Field of Counseling" on 6th January, 2015. The lecture was fruitful for students to equip with the advanced information on the opportunities in counselling
6. On April, 30th, 2015 Department organized a Special Guest Lecture on "SOCIAL AUDIT". Mr. Ujjwal Paturkar, Consultant, Ministry of Rural Development, Government of India, delivered the lecture
7. Department has organized a special talk on "INSTITUTIONAL STORY" of RMKM (Rajasthan Mahila Kalyan Mandal) on 11th April, 2015.
8. Department has organized a "Special Talk on SWINE FLU".
9. Dr. Jay Kant Yadav from Department of Bio-Technology, CURAJ given a detailed talk on the etiology, symptoms and preventive measures of Swine Flu on 11th January, 2015.
10. On 8th February, 2015, Department has organized a Special Lecture on Programme Planning and Documentation. Prof. Keith G. Diem from the Department of Family, Youth and Community Sciences, University of Florida, USA, was the resource person.

45. List the teaching methods adopted by the faculty for different programmes

Faculties of the Department have adopted innovative teaching methodologies to facilitate the students as the active learners. Department triggered the maximum utilization of audio-visual facilities for the enhanced learning experiences of the students. An interactive learning through multimedia has been promoted and it facilitates the students to be more interest in learning and equip the quick recalling skills. A number multimedia gadgets have used with different types of software's for interactive class room and paved the way for associative and enhanced learning. Other innovation practiced includes the increased use of role play and ice breaks in the class room for making learning integrative and holistic. The slow learners and students who have difficult in English language are supplemented with the "vocabulary board" where students have provided new vocabulary every day to enhance their language skills accordingly. The Research lab and social skill lab were other examples for the faculty endeavor for instilling the necessary skills among the students.

The practice of innovative teaching methodologies resulted in significant improvement of students in many areas of skills and performance. The efficacy of such practices was evaluated by each faculty and there will be special review meeting with students on the last of every month, where an open discussion on this regard taking places.

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through the regular meeting at the Departmental level.

47. Highlight the participation of students and faculty in extension activities.

Department have a very strong extension unit which look into the development of the nearby communities of the University. Below are the glimpses of extension activities undertaken by the Department.

1. Swachh Bharat Abhiyan Campaign at Mundoti and Bandarsindri

Department of Social Work organized a sensitization campaign and cleaning drive in the context of the ongoing SWACHH BHARAT ABHIYAAN campaign envisaged by the HoNorable Prime Minister of India. A rally and cleaning drive was organized in Bandarsindri and Mundoti villages. The students and faculty member of Department of Social Work and School of Life Sciences took an active part in the campaign. The campaign was held on 30th October, 2014.

2. Soak Pit Construction Drive

Department of Social Work initiated a mega SOAK PIT construction drive in the nearby villages of the University. The initial phase of the project started at Kheda Village, where around 65 SOAK PITS were constructed in three phases. The active participation of villagers especially women and children made this project a unique one. The first and second phase of construction held in the month of November and the third phase in December.

3. Establishment of Community Library

Department of Social Work has initiated a Community Library (CHETANA PUSTAKALAYA) at Kheda village in collaboration with the Youth Club. The library is started with 65 books on different titles. The inaugural ceremony was held at Kheda village, while observing National Youth Day on 12-01-2015. Prof. Supriya Agarwal, Dean, School of Social Sciences inaugurated the Library.

4. Submitted Proposal on Sanitation to Corporate/CSR

The extension activities in the vicinity of the University made the Department to realize the actual status of burning issues. Sanitation is one of the priorities we identified and decided to have active intervention. Department has prepared a project proposal in the title "GARIMA", to avail corporate partnership and support to sensitize and construct toilets in the intervention villages.

48. Give details of "beyond syllabus scholarly activities" of the Department.

Department encourage its students to write and publish articles in journals and news papers. As a result of this a series of articles were published in different news papers.

S. No	Name of the Student	Title of the Article	Published in
1	Murad Ahmed	Dal Dal me Bachpan	National Duniya, July
2	Nishta Mishra	Jeevan ka Uphar	National Duniya, July
3	Surbhi Mehta	Hospital me Apnathvaka Mahol	National Duniya, August
4	Abhijeet Kumar Singh	Sarkari School me summer Camp	National Duniya, August
5	Jahid Akter Sheikh	Javab Dehi That ho	National Duniya, August
6	Navel Kishor Mali	Workers ki Jan leta Silicosis	National Duniya, August
7	Pankaj Singh	Ekal Mahilayoki Javab	National Duniya, August
8	Hemraj Jahngir	Jab mila muje seva ki moka	National Duniya, August
9	Satypal Singh	Narmada Bachao Andolan me meri Bagyadari	National Duniya, August
10	Harsih Kumar	KisNoki Vivashatha	National Duniya, August
11	Giridari Lal	Preth Athma Nahi: Hysteria he Yah	National Duniya, September
12	Reshmi Ranjan Sahu	Paryavaran Samrakshan aur Bachatha ka Yanthra	National Duniya, September
13	Mohammed Ajaj Sheikh	Mahilayokeliye Surakshit Surakshitkshetrek ki Audit	National Duniya, September
14	Piyush Kumar	Savadaani Zaroori	National Duniya, September
15	Ms. Nishta Mishra	A Study on the issues and Problems of Women in Rural Rajasthan”	National Journal of Professional Social Workers, 2014.

49. State whether the programme/ Department is accredited/ graded by other agencies? If yes, give details.

(No)

50. Briefly highlight the contributions of the Department in generating new knowledge, basic or applied.

Department continuously engaged in the production of kNowledge and its dissemination through its active interventions in the community. Many of the indigeNous community kNowledge like sopak pits are rejuvenated in the nearby communities as the efforts of Department.

51. Future plans of the Department.

1. Collaboration with National and International institutions and universities.
2. Conduct more research on the locally relevant subjects.
3. Develop the nearby villages through different campaigns.

4. Develop the Department itself a resource centre for research in Social Work.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

Strengths:

1. Young faculties with diverse experience
2. Strong Field Work unit
3. Diversity of Students
4. Department has its own journal in the title Indian Journal of Sustainable Development.
5. Strong Collaboration with Non Governmental Organization at the National and International repute.

Weakness:

1. Lack of supporting staff to maintain the day to day functions of the Department.
2. Lack of infrastructure.
3. Less number of Girl Students

Opportunities

1. Emerging Employment Opportunities in States like Rajasthan
2. Acute shortage of Research in Social Sciences in the region
3. Collaborations with governmental and Nongovernmental organizations

Challenges:

1. Keeping Student diversity

53. Activities reflecting the goals and objectives of the institution

Department has started a journal in the title *Indian Journal of Sustainable Development* with emphasizing the motto of University, Education for Sustainable Development.

- | | |
|--|--|
| 54. Examination reforms implemented | NIL |
| 55. Community services | See point number 47. |
| 56. Unit cost of education | NA |
| 57. Computerization of administration and the process of admissions and examination results, issue of certificates. | |
| | All the administrative aspects are computerized. |
| 58. Activities and support from the Alumni Association | NA |
| 59. Activities and support from the Parent-Teacher Association | NA |
| 60. Health services (Moderate health services provided in the University. | |

- 61. Performance in sports activities**
Students from Department used to participate in the different sports activities organized by the University.
- 62. Incentives to outstanding sportspersons: NIL**
- 63. Activities of the Guidance and Counselling unit.**
Department sensitize the students on the different career prospects in the profession.
- 64. Placement services provided to students**
Yes. As of Now total 5 students were placed through campus placements.
- 65. Development programmes for Non-teaching staff** NA
The Department does not have any Non-teaching staffs attached to it.
- 66. Good practices of the institution**
* Choice based Credit system
* Admission through All India Entrance test
* Field Work Components
* Additional Courses/Add on Courses to Enhance Student Capacity
• Mentoring: Each student of the Department will be assigned a Mentor who is a faculty in the Department. Mentor will give the student advice at both personal and academic levels to attain the overall development of the students. Special focus is paid to the students from rural background
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year** NA
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement.** Nil
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required)**
Department initiated a journal in the title Indian Journal of Sustainable Development.
- 70. Plan of action for the next year (attach separate sheet, if required)**
• Accruing Funding for the Research Projects
• Collaboration with International institutes and Universities.
- 71. Any other relevant information the Institution / University / Department wishes to add.** NA

1. **Name of the Department** : Statistics
2. **Year of establishment** : 2009
3. **Is the Department part of a School/Faculty of the University?**
School of Mathematics, Statistics and Computational Sciences.
4. **Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.)**
 - (i) Integrated M.Sc. Statistics (since 2013)
 - (ii) Master of Science/Arts in Statistics (since 2009)
 - (iii) Doctoral Degree in Statistics since (2012)
5. **Interdisciplinary programmes and Departments involved**
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
7. **Details of programmes/courses discontinued, if any, with reasons**
NIL
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
Semester
9. **Participation of the Department in the courses offered by other Departments.**
 - (i) Mathematics
 - (ii) Economics
 - (iii) Commerce
10. **Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Number Posts Sanctioned and Filled

Post	Sanctioned	Filled
Professor	1	1*
Associate Professor	2	1+1**
Assistant Professor	4+1 (against Integrated Programme)	3+2*

*Appointment of Professors on CONTRACT basis, ** Appointment as Assistant Professors on contract basis against the unfilled Permanent vacancies.

11. **Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance**

Name	Qualification	Designation	Specialization	Experience (in years)	No. of Ph.D students guided for the last 4 yrs
Prof. K K Jose	Ph.D.	Professor	Time Series Analysis, Distribution Theory, Stochastic	40	5

			Process		
Prof. H. J. Vaman*	Ph.D.	Professor	Sequential Analysis, Survival Analysis and SPC	43	1
Prof. R.N.Rattihalli**	Ph.D	Professor	Distribution Theory, SPC, Non Parametric Inference	37	2
Dr. Jitendra Kumar	D.Phil	Associate Professor	Time Series, Policy Process Reengineering	12	2
Mr. Deepesh Bhati	M.Sc. M.Tech.	Assistant Professor	Distribution Theory, Finance Mathematics and Actuarial Science	5.8	0
Mr. Sanjay Kumar	Ph.D.	Assistant Professor	Sampling Theory	3.8	0
Dr. Mahendra Saha	Ph.D.	Assistant Professor	Industrial Statistics, Statistical Process control	2	0
Mr. Mahaveer Singh Panwar	M.Sc., M.Phil	Assistant Professor	Bayesian Statistics	1.5	0
Mr. Vikas Sharma	M.Sc., M.Phil	Assistant Professor	Bayesian Statistics	1.5	0
Mr. Manoj Kumar Dubey	Ph.D.	Assistant Professor	Bayesian Statistics	1	0

*Left CURaj service in August 2014, **Left CURaj service in July, 2013.

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Short-term visitors:

Mr. Liyaquat Khan

(President, Institute of Actuaries of India)

Prof. Frank Ashe

(Macquarie University, Sydney Australia)

Prof. B.L.S. Prakasa Rao

(University of Hyderabad)

Prof. Michael Sherris

(New South Wales University, Australia)

Prof. Maniklal Adhikary

(Burdwan University)

Prof. D.V.S. Sastry

(Former Director General, Research, IRDA)

Prof. S.R. Deshmukh

(University of Pune)

Dr. Sayaji Hande

(Consultant, New Delhi)

Prof. S. K. Upadhyay

(Banaras Hindu University)

Dr. T.V.Ramanathan

(University of Pune)

13. Percentage of classes taken by temporary faculty – programme-wise information

Integrated M.Sc. / M. A.: 50%

M.Sc. / M. A.: 50%

Ph.D.: NIL

14. Programme-wise Student Teacher Ratio:

	No. of students	No. of Faculty Member	Ratio
M.Sc. Statistics	44	7	1:6 (approx.)
Integrated M.Sc.	25	5	1:5 (approx.)

Integrated M.Sc./ M. A.:

M.Sc. /M. A.:

Ph.D.:

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual (As per University Decision)

Support Staff Positions	Sanctioned	Filled	Actual
1 (Technical)*	NIL	1	NA
1 (Peon)*	NIL	1	NA

*Actual: 1 (DEO) and 1 (Peon) on sharing basis with other Departments

16. Research thrust areas as recognized by major funding agencies

Sl. No.	Thrust Area	Recognizing Funding Agency/ ies
1	Time Series and Outlier	CSIR
	Multivariate Time Series	UGC
2	Statistical Process Control	UGC

Faculty members are engaged in research in the following areas: Actuarial Science, Bayesian Analysis, Finance , Sampling, Statistical Process Control and Survival Analysis

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received projectwise.

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Dr. Jitendra Kumar Analysis of Time Series with Outlier and Management of Extreme Value: A Bayesian Approach	CSIR	CSIR EMR/ 2.00 Lakhs/3 Years

Number of faculty with ongoing projects (PI & Project titles)	Funding Agencies (National/ International)	Total Grants Received/ Approved
Dr. Jitendra Kumar Bayesian Analysis of Multivariate Time Series Model	UGC	UGC Major Research Scheme/ 10.46 Lakhs (Under transfer procedure)/3 Years
Dr. Mahendra Saha Generalized Capability Index for Non Gaussian Process	UGC	UGC FRPS –Start-up Grant of Rs. 6 lakhs.

18. Inter-institutional collaborative projects and associated grants received: NIL

Associated Faculty	Collaboration	Collaborator Grants received

19. Departmental projects funded by DSTFIST; UGCSAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. - NIL

20. Research facility / centre with

- **state recognition** - NIL
- **national recognition** - NIL
- **international recognition** - NIL

21. Special research laboratories sponsored by / created by industry or corporate bodies NIL

22. Publications:

- Number of papers published in peer reviewed journals (national / international)
- Monographs
- Chapters in Books Edited Books
- Books with ISBN with details of publishers
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact Factor – range / average
- H-index

23. Details of patents and income generated

Sl. No.	Concerned Faculty	Patent Status	Income Generated
NIL			

24. Areas of consultancy and income generated NIL

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad NIL

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (please specify) NIL

Sl. No.	Concern Faculty	Committee/ Journal	Membership Status

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

(i) Activities like Workshops, Seminar, National Conference have been organised by the Department for both faculty members and students.

28. Student projects

- Percentage of students who have done in-house projects including interDepartmental projects
- Percentage of students doing projects in collaboration with other universities / industry / institute.

Batch wise	In house projects including inter-Departmental projects	Project in collaboration with other universities / industry / institute
In 2009 Major Project	Nil	100%
In 2010, Major Project	Nil	100%
In 2011, Major Project	29%	71%
In 2012, Major Project	85%	15%
In 2013, Major Project	95%	5%

29. Awards / recognitions received at the National and International level by

- Faculty

Faculty Name	Award/Recognitions
Dr Jitendra Kumar	1. Young Scientist Visiting Fellowship, Council of Science & Technology, Government of Uttar Pradesh

	<p>2. Participated as Expert Member, 7th Uttarakhand State Science and Technology Congress (USSTC) – 2012, organized by Uttarakhand State Science and Technology, Dehradun, Uttarakhand</p> <p>3. Received the Young Scientist Associate Award 2008 in 10th Indian Agricultural Scientist and Farmers Congress under the auspices of Bioved Research and Communication Center, Allahabad and MGCGV, Chitrakoot, Satna, M. P..</p> <p>4. Won one of the best research award paper presentation award by Doctoral students at SCRA-FIM-X, Department of Statistics, University of Southern Main, Portland, Maine USA. Title of the paper “Bayesian Unit Root Test for Panel Data Time Series Models.”</p>
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- **Doctoral / post doctoral fellows**
- **Best Paper Award won by Ms. Savitri Joshi**
- **Students**

Name of Student	Name of Scholarship	Awarding Body
Md Amir Malik	13. Inspire Scholarship	14. DST

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Conference/ Workshop	Source of Funding	National/ International
One week Workshop on R	UGC	National
Two day Conference on Recent Advances in Statistics with Application in Finance and Actuarial Science in 2013	NBHM, CSIR and UGC	National
Two day Conference on Recent Advances in Statistics with Application in Finance and Actuarial Science and other related areas in 2014	RBI, NBHM, UGC, MOSPI(Not availed)	National
One day workshop on Official Statistics in 2014	MOSPI	National

31. Code of ethics for research followed by the Departments

The Department is strict and factual in all scientific communications, in reporting data, results, methods and procedures, and student evaluation. Department is unbiased in data analysis, data interpretation, peer review, personnel selection, grant writing, expert testimony, and other aspects of research. The Department undertakes internal audit of its academic activities.

32. Student profile course wise:

a) Year wise, Gender wise Profile of Department of Statistics

Year	No. of boys	No. of Girls	Total
2009	6	11	17
2010	8	3	11
2011	3	11	14
2012	10	10	20
2013	6	11	17

33. Diversity of students

Name of the Course (refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries

Name of the Programme(refer to question No.4)	% of students from the same University	% of students from other universities within the state	% of students from universities outside the state	% of students from other countries
M.Sc. Statistics 2009	NIL	94%	6%	-
M.Sc. Statistics 2010	NIL	79%	21%	-
M.Sc. Statistics 2011	NIL	86%	14%	-
M.Sc. Statistics 2012	NIL	45%	55%	-
M.Sc. Statistics 2013	NIL	50%	50%	-

One can observe that, the awareness of M.Sc. Statistics (with specialization in Actuarial Science) programme is continuously spreading to different parts of the country, and as a result of this, students from various states are getting admitted to the Programme through CUCET.

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details categorywise.

Integrated M.Sc./M. A.:

Batch 2013- 2018

M.Sc. / M. A.:

Year-wise statistics of the students who appeared/cleared Actuarial papers (CT1-CT8)/III			
Examination	2009 Batch	2010 Batch	2011 Batch
May, 2010	8 students appeared ----- - 3 students cleared CT3 - 5 students cleared CT7, - 1 student cleared CT 1, CT3, CT 7 -1 students cleared Licentiate exams	-	-
Nov, 2010	3 students appeared ----- - all 3 cleared CT3 -1 students cleared Associateship exams	-	-
May, 2011	2 student appeared ----- -1 student cleared CT6 -1 student cleared CT3 ----- - 3 students cleared Licentiate exams of III -1 fellowship exam of III	3 students appeared for CT papers ----- ----- ----- 1 student cleared CT1 paper ----- ----- 2 students cleared III papers	-
Nov, 2011	-	3 students appeared ----- ----- ----- 1 student cleared CT3	8 students appeared for ACET entrance test of IAI ----- ----- ----- 6 students cleared
May, 2012			6 students cleared ACET
April, 2013			2 students cleared GATE

Batch 2011-2013

CSIR- NET Exam:

UPSC- IAS Exam:

Batch 2012- 2014

CSIR – NET Exam:

Batch 2013- 2014

None

Name of the student	Gender Male Female	Category				Competitive Exam Qualified
		General	SC	ST	OBC	

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NIL
PG to M.Phil	NIL
PG to Ph.D	
Ph.D to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus Selection • Other than campus recruitment 	
Entrepreneurs	

36. Diversity of staff

Percentage of faculty who are graduates	
Of the same University	NIL
From other universities within the state	15
From universities from other states	85
From universities outside the country	00

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period:

One (Dr. Sanjay Kumar)

38. Present details of Departmental infrastructural facilities with regard to**a) Library**

Central Library

- | | |
|--|-----|
| b) Internet facilities for staff and students | YES |
| c) Total number of class rooms | 04 |
| d) Class rooms with ICT facility | 04 |
| e) Students' laboratories | 02 |
| f) Research laboratories | 01 |

39. List of doctoral, postdoctoral students and Research Associates

As on Academic year 2015-16 we have

- a) **From the host institution/University:** 01
- b) **From other institutions/universities:** 03
- 40. Number of post graduate students getting financial assistance from the University.**

University provides scholarship to 3 Topper students in each semester in both I and II year PG students and also to 3 students of Integrated M.Sc programme. Moreover students also receives State/Central Government Scholarships like (i) Inspire Fellowship for Post Graduate by Central Government, (ii) Jammu & Kashmir resident student have a scholarship for higher education by J&K Government (iii) Single Girl Child Scholarship by Central Government. (iv) Rajasthan Government Scholarship for Girl student for securing more than 80% marks in Graduation.

- 41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.**

The M.Sc. Statistics programme with specialisation in Actuarial Statistics was undertaken after receiving suggestions from public and experts from many parts of the world through a Blog created by the Vice Chancellor.

- 42. Does the Department obtain feedback from:**

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the Department utilize the feedback?**

Yes, on basis of Departmental discussions and during syllabus committee meetings.

- **Students on staff, curriculum and teaching learning evaluation and how does the Department utilize the feedback?**

Yes, Online feedback is obtained and a summary is provided to each faculty as an appraisal and for improvement.

- **Alumni and employers on the programmes offered and how does the Department utilize the feedback?**

Yes, Lectures on specific topics relevant to the industry have been arranged after obtaining feedback from alumni.

- 43. List the distinguished alumni of the Department (maximum 10)**

- i. Mr. Amit Mahalle (2009): Actuarial Analyst - Edelwise Tokio, Mumbai
- ii. Ms. Vibha Sharma (2009): Actuarial Analyst – KPMG, Bangalore
- iii. Mr. Neil Asher(2009): Actuarial Analyst – Swiss Re, Bangalore
- iv. Ms. Swati Nawal(2009): Actuarial Analyst – AON-Hewitt- Gurgaon
- v. Ms. Divya Mittal (2009): Actuarial Analyst – Max Life Insurance, Noida
- vi. Mr. Manish Sharma (2009): Financial Advisor
- vii. Mr. Deepanshu Mittal (2010)- Actuarial Analyst- Sri Ram Finance Ltd., Jaipur
- viii. Mr. Umesh Khatri (2010): Statistical Analyst-WNS Services, Bangalore

- ix. Ms. Nitisha Khandelwal (2010) : Statistical Analyst- The Rain Man, Bangalore
- x. Ms. Kiren Prajapat: pursuing Ph.D. from IIT Kanpur.
- xi. Ms. Trapti Singhal (2010) : Statistical Analyst- The Rain Man, Bangalore
- xii. Mr. Ranjan Kumar: Statistical Analyst: AC Neilson

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

During the last four years, the Department has invited many senior academicians from several Universities / Institutes/ industry, practicing actuaries, alumni and others to compliment the regular class room teaching. In addition to the names listed in response to Item above, these include experts in the fields of Official Statistics from the Government, population studies, the insurance regulatory authority and professional bodies. Such visitors have delivered overview lectures, a series of instructional lectures or conducted work shop sessions. In addition, the Department facilitates carrying out their IV Semester project work in Institutions of repute or in industry.

45. List the teaching methods adopted by the faculty for different programmes.

Chalk and Black Board, Power point projection, guided seminars by students, assignments and exercises

46. How does the Department ensure that programme objectives are constantly met and learning outcomes are monitored?

Department has continuous internal evaluation system. Under this, Department conducts three 90-minute in-session tests and one end of semester examination. One surprise test is also given in each course.

Each student is guided and his / her attendance and progress are monitored by one of the faculty members who acts as academic advisor. This done through regular meetings with the students.

47. Highlight the participation of students and faculty in extension activities.

Department always encourages the students to actively participant in University Activities like Sports and other co-curricular activities, and NSS; students have won various prizes.

A national Seminar on Recent Advances in Statistics and Applications to Finance and Actuarial Science in February 2013 (RASAFAS-13); the Department is planning to conduct RASAFAS 14 in the February 2014.

The faculty are encouraged to attend National and International Seminars and Conferences

48. Give details of “beyond syllabus scholarly activities” of the Department.

- (i) Through student seminars, the students are given an opportunity to select topics outside the syllabus and also in some cases, research papers in journals.

- (ii) Visitors and, occasionally, the Departmental faculty, speak on recent developments.
- (iii) The students also attend the National Seminar which is being conducted regularly in February, beginning, 2013.

49. State whether the programme/ Department is accredited/ graded by other agencies?

If yes, give details.

The University will be seeking accreditation from NAAC during 2014-15 for the first time.

50. Briefly highlight the contributions of the Department in generating new kNowledge, basic or applied.

In 2009, Department has introduced M.Sc./ M. A. in Statistics course containing 4 semesters and started M. Sc. Integrated in Statistics course on 10 semesters in 2013 . The course is both multi-disciplinary and inter-disciplinary. This involves project work during the last semester.

Department is focused to motivate, Nourish and build the students in academics and on personal level. We have planned the course in such a way that after the completion of Degree, they will be having Not even statistics kNowledge but also advanced software kNowledge, and application of statistics. It makes them to face and start their career in academics, research, industry, finance etc according to their preferences.

51. Future plans of the Department.

52. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department.

- **Strengths:**

- The Department has versatile faculty profile covering both theoretical and applied Statistics.
- The Department is offering Statistics courses (i) to Master's Degree students of Mathematics, Computer Science and Pharmacy, and (iii) to Ph D students of all Departments
- The Department has the potential to broaden its collaboration with other Departments in their research planning and analysis.
- The Department promotes use of open source software

- **Weaknesses:**

- Lack of active consultancy by the faculty in the areas of insurance and financial analysis sponsored by industry
- The present research work by the faculty needs to get oriented more towards the thrust areas of the Department

- **Opportunities**

- Actuarial Science, the specialisation being offered to the master's degree students, gives huge opportunity to offer practical consultancy services to the Insurance Industry and thus provide excellent scope to the students to work on real life projects.

- As the quality of students improves, and the Department takes up consultation projects, there is a wider opportunity for broadening the scope of the present programme or offer more electives to cover allied subjects like Financial Computing etc.

- **Challenges**

- Faculties are doing research progressively in spite of taking a good number of courses.
- To attract highly motivated students with greater aptitude.
- To elevate the teaching and research work to be able to stand alongside existing renowned universities/institutions

53. Activities reflecting the goals and objectives of the institution:

- Departmental faculty is getting initiated into the thrust area of research through special lectures and seminars
- The Department has organized one National Conference, workshops and series of special lectures
- Our students are encouraged to carry out their major projects in any reputed Institution or industry

54. Examination reforms implemented:

The evaluation process is (i) totally transparent and the students get an opportunity to seek redressal of their grievances, (ii) instead of one examination at the end of the semester, the students are evaluated on more than three occasions through tests, assignments and seminars as part of the continuous internal evaluation, and, after completion of the entire evaluation process, (iii) the students are awarded letter grades as per the 7-point scale suggested by UGC.

55. Community services

Financial Awareness Camp in collaboration with Bank of India had been organised in nearby Mundoti village.

Student of M.Sc. Statistics had visited each house of the village and gave information about the existing insurance scheme of Government and by Bank of India.

Such activity will also plan in the coming future.

56. Unit cost of education

(As provided by the University; there is No additional expenditure)

57. Computerization of administration and the process of admissions and examination results, issue of certificates

At University level

58. Activities and support from the Alumni Association

The Department is in touch with the alumni and interactive sessions with the present students are arranged; this also provides information on the skills that need to be acquired to improve their employability. Many of the alumni usually interact with the current students and share their company experience.

- 59. Activities and support from the Parent-Teacher Association**
Department have regular interactions with students' parents. There feedbacks have also been taken and considered.
- 60. Health services**
Students and faculty avail the Health services of the University
- 61. Performance in sports activities**
At the University level
- 62. Incentives to outstanding sportspersons:**
At the University level
- 63. Activities of the Guidance and Counselling unit:**
At the University level
- 64. Placement services provided to students**
- (i) Besides various programmes of the University's Career Counselling Cell, the Department facilitates interaction with alumni and industry professionals.
 - (ii) In 2013, COSTARCH (Statistical Consultancy Company, Jaipur) visited the Department and selected 4 M.Sc. Statistics students. (Nitisha Aggarwal, Kiren Prajapat, Pinal Singh Ranawat, Nirmala Purohit)
 - (iii) In 2014, COSTARCH recruited Mr. Aamir Malik as a statistical analyst.
 - (iv) In 2015, 3 students got recruitment as Statistical Analysts - Mr. Tushar, Mr. Rohit Bharadwaj and Ms. Pooja Kumawat.
- 65. Development programmes for Non-teaching staff**
- 66. Good practices of the institution**
- 67. Action Taken Report on the AQAR (Annual Quality Assurance Report) of the previous year**
- 68. Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement (attach separate sheet, if required)**
- 69. Outcomes achieved by the end of the year (attach separate sheet, if required)**
- 70. Plan of action for the next year (attach separate sheet, if required)**
- 71. Any other relevant information the Institution / University / Department wishes to add.**

प्रो. अरुण कुमार पुजारी
Prof. Arun K Pujari
 कुलपति
Vice Chancellor

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राजस्थान केन्द्रीय विश्वविद्यालय
Central University of Rajasthan

(संसद के अधिनियम के तहत स्थापित केन्द्रीय विश्वविद्यालय)
 (A Central University Established by an Act of Parliament)

Bandarsindri, N.H. 8, Kishangarh-305817
 District- Ajmer, Rajasthan, INDIA

No. CURAJ/VCS/2015-16/NAAC/95

21 OCT 2015

STATEMENT OF COMPLIANCE
(CENTRAL AND STATE UNIVERSITIES)

This is to certify that **Central University of Rajasthan** has complied with all the provisions of the following University Grants Commission (UGC) Regulations governing it:

- ❖ Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2010 and further amendments, if any, notified by the UGC.
- ❖ Minimum Standards and Procedure for the Award of M.Phil/Ph.D Degree, Regulations 2009 and further amendments, if any, notified by UGC.
- ❖ UGC (Affiliation of Colleges by Universities) Regulations, 2012 and further amendments, if any notified by the UGC.

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

(Prof. Arun K Pujari)
Vice Chancellor

Date: 21/10/15

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 कुलपति
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 District- Ajmer, Rajasthan, INDIA

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DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware the Peer team will validate the information provided in this SSR during the peer team visit.

(Prof. Arun K Pujari)
Vice Chancellor

Place: Bandarsindri

Date: 21/10/15



Central University of Rajasthan

(Established by the Central Universities Act, 2009)

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