

Three Day Training Workshop on Effective Teaching/Learning Methods for Science Teachers of School

Organized By
TLC, Central University of Rajasthan
7-9Th February, 2019

Activity Undertaken	Objectives achieved/Details
Three Day Training Workshop on Effective Teaching/Learning Methods for Science Teachers of School No. Of Participants - 40	The Training program was mostly for school teachers with limited participant's capacity across. These three days training program was attended by 40 participants from more than 20 different institutions of Rajasthan. The participant were more than 6 discipline including chemistry, physics, biology, zoology, Science etc. In this training program, participant were exposed to Hands on Experiment in school teaching, ICT in Science education, learner centric teaching in school, importance of historical perspective in science etc. Speakers from premier institutes such as VGU, Jaipur, Mayo College, CURaj, were invited to deliver lectures.

- **Patron**

Prof. Arun K Pujari
Hon'ble Vice Chancellor

- **Advisory Committee**

Prof. Neeraj Gupta
Prof. Manish Dev Shrimali
Prof. D. C. Sharma

- **Organizing Committee**

Dr. Ajit K. Patra, Dept. of Physics
Dr. Anjali Sharma, Dept. of Education
Dr. Umesh Gupta, Dept. of Pharmacy
Dr. Gobind Singh, Dept. of Education
Dr. Krishna Kumar Mohbey, Dept. of Comp. Sciences

- **Program Co-ordinator**

Dr. Devesh M. Sawant, Dept. of Pharmacy



Three Days Training Workshop on Effective Teaching/Learning Methods for Science Teachers of Schools

7th to 9th February 2019

ABOUT UNIVERSITY

The Central University of Rajasthan (CURaj) was established in 2009 by an Act of Parliament as a new Central University, and is fully funded by the Government of India. 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. CURaj offers 50+ Masters and PhD programmes in its 21 departments. CURaj is ranked 34 by NIRF, the best among the universities established in 2009 or later and accredited 'A' grade by NAAC and recently selected to be an aspiring applicant for the Institute of Eminence by MHRD, Government of India. CURaj has been granted more than 80 national/international research projects amounting more than 23 Crores. The University operates from its permanent campus of 550 (approx.) acres and it has adequate hostels housing nearly 2000 students in the campus.

TEACHING LEARNING CENTRE (TLC@CURaj)

Teaching Learning Centre (TLC@CURaj) at Central University of Rajasthan was established in the year 18 with a vision of support evidence based teaching and provides diverse opportunities for teachers. It is fully funded by MHRD, Govt. of India under the Scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT). It is envisaged to help teachers to modernize their teaching style, to scaffold concepts and information in a way that students can meaningfully take in, and to help students learn more deeply and retain what they have learnt. The TLC@CURaj has successfully conducted FOUR different workshops/training program from 2 days to 26 days duration on various topic including MOOCs, UGC Quality Mandate, Teaching-Learning & Evaluation, Induction training program for newly recruited faculty members of HEIs.



Training Program on MOOCs (12 -14 March 2018)

OBJECTIVE OF THE PROGRAMME

In order to play a pivotal role in nation building, a school teacher must be empowered with effective teaching and learning techniques. The goal of this workshop is to impart a conceptual knowledge of science to school teachers for effective teaching -learning of science. In this workshop, it is intended to familiarize participants to emerging issues for internet-based culture and digital age learning. Learners will explore the use of emerging technologies and their integration into school education. Special emphasis will be given to pedagogy of science teaching, role of ICT and project based learning etc. The focus will also be on the importance of value education, science teaching through enquiry based and hands on experiments. etc.

TOPIC TO BE COVERED

- ✧ Learner Centric Teaching in School
- ✧ Student Feedback Analytics/Assessment
- ✧ Pedagogy of Science Teaching in School
- ✧ Role of ICT in School Teaching
- ✧ Hands-on Experiments
- ✧ Enquiry Based Science Teaching
- ✧ Design and Development of Online Material
- ✧ Value Education



Four Weeks Induction Training Program (1 - 26 May 2018)

TARGET AUDIENCE

There will be around 30 participants mainly school teachers.

Organized By
Teaching Learning Centre (TLC@CURaj)
Central University of Rajasthan
Bandarsindri, Ajmer 305817 (Rajasthan)
www.curaj.ac.in Email: tlcprogram@curaj.ac.in



Three Days Training Workshop

on

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REGISTRATION

The expenses of the training programme will be borne by the Central University of Rajasthan. There will Rs. 500 participation fee and registration is required. As the number of participants is limited to 30, the registration will take place on first come-first serve basis. Registration fee for the participant is Rs. 500/-. Payment can be done through online transfer mode (*only*) to the account details given below. On successful completion of course, the fee will be refunded.

Name of the Bank : Bank of India

Account Holder Name : CURAJ PMMMNMTT Fund

Bank Account Number : 666710110005558

Branch: Central University of Rajasthan, Bandarsindri, The.: Kishangarh, Dist.: Ajmer - 305801

Branch Code : 006667

IFSC Code : BKID0006667

MICR Code : 305013027



Teaching-Learning & Evaluation Workshop (15 - 24 Dec 2018)

HOW TO REACH CURAJ

Central University of Rajasthan is situated almost 45 Km from Ajmer and 92 Km from Jaipur on NH-8 Ajmer Jaipur Expressway near Bandarsindri village. The nearest airports are Kishangarh (25 Km) and Jaipur (92 Km). The nearest railway station is Kishangarh (25 Km).

ACCOMMODATION & TRAVEL

Accommodation will be provided in the University Guest House for the outstation participants. Breakfast/tea, lunch and dinner will be provided during the 03 days workshop. TLC@CURaj will reimburse the travel expenses (3-AC train or equivalent fare) to the outstation participants on production of valid tickets.

COMMITTEE MEMBERS

Patron

Prof. Arun K Pujari
Hon'ble Vice Chancellor

Advisory Committee

Prof. Neeraj Gupta
Prof. Manish Dev Shrimali
Prof. D. C. Sharma

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Dr. Krishna Kumar Mohbey, Dept. of Comp. Sciences



Two Days' Workshop on UGC Quality Mandate in HEIs (9 & 10 September 2018)



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REGISTRATION FORM

Name (IN CAPITAL LETTERS): _____

Age: _____ Gender: Male Female

Designation: _____ Discipline: _____

Pay Scale: _____

Department: _____

Institute/College/School: _____

Complete Address: _____

E-mail: _____ Mobile No: _____

Accommodation Required: Yes No

Administrative position held: _____

Area of Specialization: _____

Teaching Experience: (in years) _____

Fee Submitted: Yes No Amount Paid: _____

UTR No./ Transaction No.: _____ Date: _____

Place:

Date:

Signature of the Applicant

Note: Please attach proof of Registration Fee paid along with Registration Form. Duly filled in Registration Form may be sent through email to tlcprogram@curaj.ac.in. The registration will be considered on case to case basis and will be confirmed by email. The registration fee will be refunded, in case the participant is not selected.

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Eminent Speakers in Three Day Training Workshop on Effective Teaching/Learning Methods for Science Teachers of School (7-9Th February, 2019)

S. N.	Name of Speaker	Designation	Institutions	Discipline	Topic
1.	Lt. Gen. Surendra Kulkarni	Principal	Mayo College, Jaipur	Administration	Restoring Childhood
2.	Dr. Narendra Kumar	Assistant Professor	Department of Education, CURaj	Education	Pedagogy of Science Teaching
3.	Prof. Y.K.Vijay	President	Vivekananda Global University, CURaj	Physics	Hands-on experiments in School Teaching
4.	Dr. Rajneesh K. Verma	Assistant Professor	Department of Physics, CURaj	Physics	ICT in Science Education
5.	Prof. R. T. Pardasani	Professor and Head. Department of Chemistry	Department of Chemistry, CURaj	Chemistry	Pedagogy of Science Teaching and Hands-on Experiment
6.	Prof. Neeraj Gupta	Professor	Department of Architecture, CURaj	Architecture	Learner Centric Teaching in School
7.	Prof. A.P. Singh	Professor	Department of Mathematics, CURaj	Mathematics	Effective Teaching/ Learning in Mathematics
8.	Prof. D.N. Sansanwal	Professor	Ex-Professor, DAVV, Indore	Education	Enquiry Based Science Teaching & Value Education in Science
9.	Prof. K.P.N. Murthy	Professor	Department of Physics, CURaj	Physics	Importance of Historical Perspective in Science
10.	Dr. Suman Tapryal	Assistant Professor	Department of Biotechnology, CURaj	Biology	Effective Teaching/ Learning in Biology



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Venue: First Floor, Department of Physics, 4A6 Building

Day 1 (Schedule): 7th February 2019 (Thursday)

Time	Theme	Remarks/Speaker
9:00 - 9:30	Registration	
9:30 - 10:00	Inaugural Session	
10:00-10:05	Group Photo	
10:05 - 10:30	High Tea	
10:30 - 11:30	Key Note Lecture	Lt. Gen. Surendra Kulkarni Principal Mayo College, Ajmer
11:30 - 13:00	Pedagogy of Science Teaching	Dr. Narendra Kumar Department of Education Central University of Rajasthan
13:00 - 14:00	Lunch Break	
14:00 - 15:30	Hands on Experiment in Science Teaching	Prof Y. K Vijay President Vivekanand Global University Jaipur
15:30 - 15:45	Tea	
15:45 - 17:15	Hands on Experiment in Science Teaching	



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Venue: First Floor, Department of Physics, 4A6 Building

Day 2 (Schedule): 8th February 2019 (Friday)

Time	Title of the Lecture	Remarks/Speaker
9:30 - 11:00	ICT in Science Education	Dr. Rajneesh K Verma, Department of Physics, Central University of Rajasthan
11.00 – 11.15	Tea	
11.15 – 12.45	Pedagogy of Science and Hands on Experiment	Prof. R T Pardasani, Department of Chemistry, Central University of Rajasthan
12.45 – 13.45	Lunch Break	
13.45 - 15:15	Learner Centric Teaching in Schools	Prof. Neeraj Gupta Department of Architecture, Central University of Rajasthan
15.15 – 15.30	Tea	
15.30 - 17:00	Effective Teaching/ Learning in Mathematics	Prof. A P Singh Department of Mathematics, Central University of Rajasthan



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Venue: First Floor, Department of Physics, 4A6 Building

Day 3 (Schedule): 9th February 2019 (Saturday)

Time	Title of the Lecture	Remarks/Speaker
9:30 - 11:00	Enquiry Based Science Teaching	Prof. D N Sansanwal, Director, Institute of Education, Devi Ahilya University
11.00 – 11.15	Tea	
11.15 – 12.45	Value Education in Science	Prof. D N Sansanwal, Director, Institute of Education, Devi Ahilya University
12.45 – 13.45	Lunch Break	
13.45 - 15:15	Importance of Historical Perspective in Science	Prof. K P N Murthy Department of Physics, Central University of Rajasthan
15.15 – 15.30	Tea	
15.30 - 16.30	Effective Teaching/ Learning in Biology	Dr. Suman Tapriyal Department of Biotechnology, Central University of Rajasthan
16.30 – 17.00	Valedictory Function	

PARTICIPANTS LIST

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Sr. No.	Name of the Participant	Affiliation Institution
1.	Mrs. Sudipta Dey	Birla International School
2.	Gita Parihar	Birla International School
3.	Y. Lalitha nayana Kumari	Birla International School
4.	Rajesh Kumar	Shri Hanwant Sr. Sec. School
5.	Manisha Bhatia	Sophia Sr. Sec. School
6.	Shikha Gupta	Sophia Sr. Sec. School
7.	Mistu Bagchi	St. Stephen Sr. Sec. School
8.	Tripti Sogani	St. Stephen Sr. Sec. School
9.	Dhruvika Ojha	St. Stephen Sr. Sec. School
10.	Bhagya Shree Goswami	Jayoti Vidhyapith
11.	Vikram Singh Solanki	Mayoor
12.	Kavita	Vidhyasthali
13.	Paresh Mahawar	Mayo College, Ajmer
14.	Kamlesh Kumar	Mayo College, Ajmer
15.	Manju	Govt. Sr. Sec. School, Bandra Sindri
16.	Suman	Govt. Sr. Sec. School, Sargaanv
17.	Amit Jain	Govt. Girls Sr. Sec. School, Roopangarh
18.	Prerna Shekhawat	Govt. Sr. Sec. School, Buharu
19.	Rajesh Tanwar	Govt. Girls Sr. Sec. School, shardul, Kishangarh

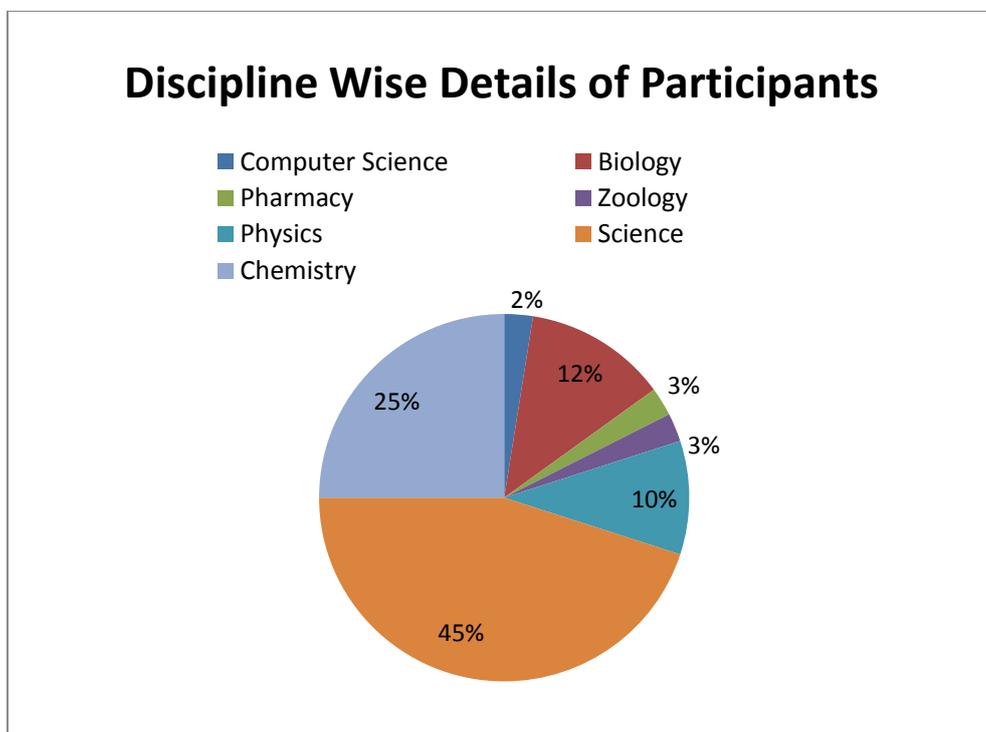
Sr. No.	Name of the Participant	Affiliation Institution
20.	Mamta	Govt. Sr. Sec. School, Kotdi
21.	Raj Kumar	Govt. Sr. Sec. School, Sinodia
22.	Rajni Meena	Govt. Sr. Sec. School,Paatn
23.	Chitra Gupta	Govt. Shardul Sr. Sec. School, Kishangarh
24.	Prakash Chandra Kurdiya	Govt. Sr. Sec. School, Didwada
25.	Ram Narayan Choudhary	Govt. Sr. Sec. School, Nalu
26.	Raghuveer Singh Yadav	Govt. Sr. Sec. School, Tilonia
27.	Manju Lata	Govt. Sr. Sec. School, Tyod
28.	Banwari	Govt. Sec. School, Nayaganv
29.	Bhinwa Ram	Govt. Sec. School, Jajota
30.	Gopal Chand Jangid	Govt.Girls Sec. School,Kishangarh
31.	Jyoti Ujjwal	Govt. Sec. School, Kishangarh
32.	Anupama Verma	Govt. Sr. Sec. School,Paner
33.	Nikita Meena	Govt. Sr. Sec. School, Thal
34.	Vinita Mandawar	Govt. Sr. Sec. School,Raghunathpura
35.	Budhram Raigar	Govt. Sr. Sec. School,Bherwai
36.	RamDev Jhundariya	Govt. Sr. Sec. School,Biti
37.	Lekhraj Singh Dhakad	Govt. Sr. Sec. School,Tikawada
38.	Neeraj Prakash Malakar	Govt. Sr. Sec. School,Kada
39.	Lalita Ravivanshi	Govt. Sr. Sec. School,Kuchil
40.	Sashi Shrivastav	Govt. Sr. Sec. School,Mundolawa

State Wise Details of Participants:-

Sl. No.	State	Number of Participants
1	Rajasthan	40
Total Numbers of Participants		40

Discipline Wise Details of Participants:-

Sl. No.	Discipline	Number of Participants
1.	Computer Science	1
2.	Biology	5
3.	Pharmacy	1
4.	Zoology	1
5.	Physics	4
6.	Science	18
7.	Chemistry	10
Total Numbers of Participants		40



SOME MOMENTS OF WORKSHOP



