



Central University of Rajasthan
NH-8, Bandarsindri, Kishangarh, Ajmer-305817



School of Architecture
Blending Technologies
Department of Architecture
Committed to Regenerative Architecture

‘ E-brochure ’

The School of Architecture presently focuses on sustainable architecture, watershed management, waste management, renewable energy technologies, building simulation, acoustics, thermal comfort, project management and traditional and modern building technologies, to address the contemporary challenges in the field of Interiors, Architecture, and Urban Planning.

Educational Programmes

Presently the School offers three educational programmes:

- PhD
- M.Arch. (Sustainable Architecture)
- B.Voc (Interior Design)

PhD

The School offers full time PhD programme as per University norms.

Intake: 4

Eligibility for admission: Bachelor's Degree in Architecture or equivalent and Master's degree in architecture/allied specialization or equivalent from any recognized institution. **OR** Bachelor's Degree in architecture or equivalent in first class with ten years experience in teaching/research/professional practice

(As per the CoA norms, candidate having only a B.Arch. Degree shall in addition to the prescribed coursework for candidates with Masters Degree, be required to pursue the course work successfully in six subjects of the Master's Degree courses of the School recommended by the research committee.)

M. Arch. (Sustainable Architecture)

Intake: 20 (Duration: 4 semesters)

Eligibility: Bachelor of Architecture degree course or equivalent courses recognized by the Council of Architecture with a minimum of 50% marks or equivalent grade in aggregate for general category and 45% or equivalent grade for SC/ST/OBC/PWD candidates. Candidate with valid GATE Score will be preferred and will be exempted from appearing for the Entrance Test. The admission is through CCMT 2015 and CUCET 2015.

The M. Arch. (Sustainable Architecture) programme aims to train Architects to understand issues associated with Sustainable Architecture, including but not limited to, environmental concerns, assessment methods, renewable energy technologies, consumption, construction materials, health and safety, economics, social development, project management policy framework, and green certification etc. This programme encompasses residential, commercial and public architecture, campus planning and large area development, as well as their effect on the urban and rural built environment. The students also get an opportunity to have live experience of the campus design and ongoing development at CURAJ campus.

The two year full time programme, is also approved by CoA. It is divided into four semesters of 18 weeks each including 2 weeks for exams, is designed to develop knowledge, enhance skills and nurture appropriate attitude for sustainable architecture. The first three semesters are blend of theory and project courses. The fourth and final semester is dedicated to design thesis project and development of professional competence required for managing sustainable architecture projects. An internship / project work during summer break after second semester is integral part of the programme.

B.Voc (Interior Design)

Intake: 20 (Duration: 4 semesters)

Two year advanced diploma course with multiple exit options.

- Certificate in Interior Design (1 year)
- Advanced Diploma in Interior Design (2 years)

Eligibility: 10+2 in any discipline

This unique programme is designed to cater to demands of professionally trained human resource in the field of Interior Design. The programme is purely vocation oriented and aims to train persons with adequate employability skills at the end of each year of study. The programme structure attempts to blend appropriate technical knowledge and skills, personal and professional skills and substantive 'hands-on' and on-site experience required for the trade.

Each semester consists of about four months of course studies followed by two months of internship. A special assistance of Rs. 1000/- per month is provided by the University for this period.

Departmental Facilities

- Design Studio
- Workshop/Building Material Lab
- Computer Lab with Autodesk Building Design Suit 2012 and Adobe Master Suite CS 5.5
- A0 Size Plotter cum Scanner
- Building science lab (in process)

On- Site Learning and Study Visits

The department regularly organises formal study visits and facilitates on-site learning sessions. Students are also encouraged to plan small group travel / study excursions. Few such subject specific visits organised by the department are listed here:

Landscape and Watershed Management

- Smriti Van
- Sajjangarh fort, Udaipur
- Flower Valley, Amber
- Mansagar Lake
- Hathi Gaon, Amber
- Gundolao Talav, Kishangarh

Art and Culture

- Jawahar Kala Kendra
- Albert Hall

Services and Utilities

- Biological water treatment plant
- Ibis Hotel Jaipur
- Chankya Restaurants and Hotel
- Commercial Complexes
- Waste Water Treatment Plant

Renewable Energy

- Solar Park, Near Jodhpur

Resource Mapping

- Mundoti Village
- Bandar Sindri Village
- Barefoot College Tilonia

Heritage and Conservation

- Nahargarh
- Kanak Vrindavan and Jalmahal Complex

Large Area Development

- IIT Kanpur Campus
- R. K. Marbles, Kishangarh
- Central University Campus

Faculty Members

Presently the out of seven sanctioned positions for the Department of Architecture following five regular faculty members and one temporary faculty member are working:

- **Prof. Neeraj Gupta, Professor**

Area of Interest: Sustainable Neighbourhood Planning, Planning and Development of Educational Campuses, Project Management, Training and Capacity Building.

- **Ar. Ritu B. Rai, Associate Professor**

Area of Interest: Architecture, Urban design, Water front Architecture.

- **Ar. Vivekanand Tiwari, Assistant Professor**

Area of Interest: Environmental Planning, Watershed Management.

- **Ar. Sunil Sharma, Assistant Professor**

Area of Interest: City Planning, Transport Planning, GIS and Remote Sensing, Climatology.

- **Ar. Abhijit Rastogi, Assistant Professor**

Area of Interest: Project Management, Building Simulation & Construction Technology, Vocational Training.

- **Ar. Karan Barpete, Assistant Professor**

Area of Interest: Transportation Planning, Econometrics, Development management and finance, Quantitative methods of decision making.

Seminars and Interactive Sessions with External Experts



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 students. M.Arch students playing “Broken Squares” a effective team building management game; and B.Voc (Interior Design) Students are participating in supervisory skills exercise – ‘giving and receiving instructions’.

The department of Architecture regularly invites guest speakers for seminars, guest lectures and interactive field sessions. Few key speakers who interacted with the students during 2011-14 are:

- **Prof. Herman Kohler**, Secretary ISWA, Viena, Austria
- **Prof. Manoj Mathur**, School of Planning and Architecture, New Delhi
- **Ar. Sanjay Prakash**, Practicing Architect and Campus Planner, New delhi
- **Ar. Mohan S. Rao**, Landscape Consultant, INDE, Bangalore
- **Ar. Rahul Mehrotra**, Professor of Urban Design and Planning, Harvard Graduate School of Design (GSD) in Cambridge, Mass., USA.
- **Prof. Mohammad Taherzadeh**, Director of Resource Recovery, Univ. of Boras, Sweden
- **Prof. Anurag Roy**, Practicing Architect and Interior Designer, New Delhi
- **Prof. Nilkanth Shinde**, Expert - Renewable Energy, Shivaji University, Kolhapur
- **Er. Sudheer Mathur**, Consultant, MEP Services
- **Ar. Usha Kasana**, Chief Architect, PWD, Government of Rajasthan
- **Ar. NK Khare**, Head - Heritage and Conservation Cell and Technical Advisor, Government of Rajasthan
- **Ar. UK Srivastava**, Retd. Chief Town Planner, Government of Rajasthan
- **Ar. Pushpak Pandit**, Urban Designer, Akalpan, Jaipur
- **Ar. Anup Rathi**, LEED AP, Energy Simulation Expert
- **Ar. A.K Gupta**, Chief Town Planner (Retd), Government of Rajasthan
- **Er. D K. Sharma**, Vice President - Project Manager, Sycone Bangalore)
- **Mr. Naresh Duble**, Acoustic Expert, Armstrong
- **Mr.Y.C. Sharma**, IFS (Retd) Biodiversity Expert
- **Mr. Vishesh Swamiwal**, Executive Engineer, Electrical CPWD

Awards

The Department of Architecture has successfully implemented the integrated micro watershed plan for 518 acres campus of CURaj at Bandar Sindri. This development of the Central University was honoured as an exemplary watershed management work at the annual GRIHA summit held at Delhi in 2014.



Ar. Ritu B. Rai and Ar. Vivekanand Tiwari receiving the GRIHA Award for exemplary demonstration of Water Management at CURaj Campus



Prof. Neeraj Gupta Delivering Lecture and being facilitated by PHD Chamber of Commerce

Projects undertaken by the Department of Architecture

- Redevelopment of Pushkar area.
- Waste management proposal for the campus of CURAJ.
- Integrated micro watershed management of CURaj campus including planning of four water harvesting structures.
- Design consultancy of three semi permanent academic buildings each measuring about 2100 sq.m.
- Design of University Auditorium of 1500 capacity.
- Design of three permanent helipads at University Campus for landing of heavy helicopters of Indian Air Force.
- Continued advise on master plan and campus development issues.

- Faculty of School of Architecture constitutes part of working group constituted by State Commission for Urbanization, on 'Future Settlement Pattern, Urban Form and Urbanization'.

Student Projects

Few design projects undertaken by the students are listed here to exhibit their learning:

Design Studio

- Study of urban design and socio-economic profile of one of the markets in Udaipur city.
- Study of water harvesting & management techniques in Sajjangarh fort.
- Management development Centre design for IIM Udaipur.
- Study of Historic Cities - Madanganj.
- Redevelopment of Central Commercial Spine, Kishangarh.
- Sustainable Design for Research Laboratory Complex, IIT Kanpur
- 'Green' Campus Design for Kendriya Vidyalaya

Masters Design Thesis

- Technical Education Campuses - IIT Ropar, IIT Indore,
- Indian Institute of Management, Udaipur
- University Campuses – Central University of Punjab at Bhatinda, Police University at Jodhpur
- Solar Park, IIT Jodhpur
- Eco-Resort & Holiday-Home– Uttarakhand
- Rajaswa Bhawan New Delhi,
- Large Area Development (Industrial) - Knowledge Park Delhi, Food Processing Park, Punjab, Industrial Trade Park and Exhibition Grounds, Haryana