Department Profile

Architecture & Planning

2016-2017
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I am happy to learn that the Department of Architecture & Planning is actively contributing in several areas of societal importance such as energy efficient buildings, affordable housing, universal design, visual communication, conservation of heritage art, capacity building, slum up gradation and smart cities. The Department should endeavor to take up more projects in the area of urban design and development so as to play the role that the country expects from such departments.

I wish that the department catches increasing attention of government and private agencies involved in planning and development of urban and rural areas, townships and smart cities.

(A.K. Chaturvedi)
Founded as Roorkee College in 1847 and renamed as Thomason College of Civil Engineering in 1854 and University of Roorkee in 1948, the Indian Institute of Technology Roorkee is amongst the foremost institutes of national importance in higher technical education and applied research. The Institute has played a vital role in providing technical manpower and know-how to the country and is considered as a trend-setter in the area of technical education and research.

The Institute
The Institute was declared by the Government of India as an Indian Institute of Technology in 2001. IIT Roorkee is a place where the best of the past and the present confluence to provide the ideal environment for young bright minds of the country to evolve. The Institute is modeled on the principle of 360° development and evaluation. Sports and other extracurricular activities play a significant role in this process of development which makes leaders out of individuals with a spirited outlook for any corporate environment.
The Bachelor of Architecture was started at the Indian Institute of Technology Roorkee in the year 1956-57. In the year 1961, the department was housed in its own independent building and premises. The B.Arch. course was recognized by the Indian Institute of Architects in December 1961. The Department has the singular distinction of being the first in India in starting a Masters degree course in Architecture (M. Arch.) in the year 1969-70. This was eventually updated with an additional course of Masters Degree in Urban and Rural Planning (MURP) in the year 1973-74.
Rank 3 in India

-Outlook India Survey 2015

On the basis of inspection held in 2015, the B.Arch. Course approval has been extended by the Council of Architecture (CoA) upto 2017-18, vide letter no. CA/5/Academic-UA01 dated Aug. 18, 2015.

The Department

The Department takes very special care in selecting students for admission to various academic programs and imparts high quality education in professional fields of Architecture and Planning. Our students have constantly achieved accolades, and have reached varied milestones. Faculty members of the department are engaged in sponsored research and consultancy projects; have published number of research papers in National and International Journals and Conference Proceedings; and have also published books and monographs.
Major Courses Offered

- B.Arch.
- M.Arch.
- Ph.D.
- M.U.R.P.
- Ph.D.

Students Intake

### B.Arch.

<table>
<thead>
<tr>
<th>Year</th>
<th>Intake Limit</th>
<th>Admitted</th>
</tr>
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<tbody>
<tr>
<td>2016-17</td>
<td>35</td>
<td>31</td>
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<tr>
<td>2015-16</td>
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<tr>
<td>2014-15</td>
<td>40</td>
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</table>

### M.Arch. + M.U.R.P.

<table>
<thead>
<tr>
<th>Year</th>
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<tbody>
<tr>
<td>2016-17</td>
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<tr>
<td>2015-16</td>
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<td>2014-15</td>
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Ph.D. Scholars

<table>
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<th>Year</th>
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<th>Ph.D. Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>30</td>
<td>02</td>
</tr>
<tr>
<td>2014</td>
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<tr>
<td>2015</td>
<td>34</td>
<td>06</td>
</tr>
<tr>
<td>2016</td>
<td>45</td>
<td>04 (till June)</td>
</tr>
<tr>
<td>2017</td>
<td>49</td>
<td></td>
</tr>
</tbody>
</table>
Admissions

JEE

The joint Entrance Examination (JEE) is a highly competitive examination which is taken in two stages - JEE (Mains) and JEE (Advanced).

In the year 2014, JEE (Advanced) was taken by about 1, 50, 000 aspirants, who came in top 20 percentile in JEE(Mains), across the country, out of which only 9784 made it to IITs in different programs. Students of the B.Arch program are admitted through the JEE(Advanced). The qualification in Architecture Aptitude Test (AAT) is a prerequisite for them.

GATE

The Graduate Aptitude Test in Engineering (GATE) is another highly competitive National Level Examination, qualification in which is a prerequisite for admission into the, Master of Architecture (M. Arch.) and Master of Urban and Rural Planning (MURP).
## B.Arch Curriculum

IIT Roorkee Architecture and Planning Department has well planned course structure which is regulated with the demand and current trends in Architecture. It is one of the few architecture departments which also offers master course in core architecture as well as urban and rural development. The course structure also focuses on the design and execution part of the planning.

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Description</th>
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<tbody>
<tr>
<td>Basic Design; Architectural Design</td>
<td>Principles of Architecture; Assignments on designs of Residential, Institutional, Public, Commercial, Transportation, Mixed used and high rise projects.</td>
</tr>
<tr>
<td>Advance computer application for architect</td>
<td>Classroom sessions on Architectural software such as AutoCAD, 3Ds Max, Revit, Design Building energy simulation, Google Sketch up, ArchiCAD etc.</td>
</tr>
<tr>
<td>Building Technology (M.E.P)</td>
<td>Study of HVAC system, vertical transportation, automation, electrical installation systems, illumination systems, system of water supply and design, solid waste disposal and drainage system in buildings.</td>
</tr>
<tr>
<td>Building Economics and Construction Management</td>
<td>Study of detailed estimates, BOQ, building cost estimation, housing policies, investment, land economics, demand-supply &amp; cost-production functions, network techniques, construction Equipments and methods.</td>
</tr>
<tr>
<td>Intelligent Building Techniques</td>
<td>Study of climatology, human comfort, solar, wind, precipitation, daylight, orientation and application of climatic principles. Acoustics and lighting design of buildings including artificial lighting and noise controlling techniques. Understanding fire, active fire protection and security systems.</td>
</tr>
<tr>
<td>Surveying and Photogrammetric Mapping</td>
<td>Remote sensing, GIS, measured drawing and measurement of building in plan, elevation and section of village or neighborhood.</td>
</tr>
<tr>
<td>Housing, Town planning and Urban Design</td>
<td>Study of dwellings, site selection and housing layout, energy efficient housing and housing in hill areas. Planning of towns, planning standards, development plan and planning legislation. Review of heritage, approach, basic elements and study of urban designs.</td>
</tr>
<tr>
<td>Art and Architectural Graphics</td>
<td>Study of Architectural graphics including scaling and representation of materials, orthographic projections, making of drawings, isometric and axonometric views, shades and shadows. Free hand sketching, colour and painting techniques, block model making, colour mixtures and ideas and basics principles of design like scale and proportion.</td>
</tr>
<tr>
<td>Institute Electives</td>
<td>During these courses students study courses like earthquake engineering, aseismic architecture, total quality management, industrial sociology, economics, intellectual property rights, renewable energy resources etc.</td>
</tr>
</tbody>
</table>
M.Arch Curriculum

Campus layout for IIT Hyderabad, Student Activity Centre and midrise housing project, IIT Roorkee Hospital redesign, adaptive reuse of library building, transitory accommodation, Convention Centre for IIT Roorkee.

Understanding of contemporary architectural theories, Contemporary design trends as an advent of industrialization.

Cost effective construction and techniques, low cost building materials, CPM and PERT

Introduction and critical evaluation of building byelaws

Introduction of Urban Design, its elements, design principles and techniques

Climatic factors for designing of buildings, Low energy materials and Low carbon construction techniques, global climatic factors, thermal comfort, design of shading devices, site analysis as an aid to design

Introduction, components, economics and finances of building industry

Architectural research purpose and scope, techniques and methods of evaluation.

Study of planning projects and planning of medium sized neighborhood in Dwarka city. Development plan of CBD, sector / block with proper networking and infrastructure. Integrated rural plan for Haridwar district. Study of urbanization and regional planning in India along with its concepts, theories, components, problems, process and NCR.

Planning data, principles, techniques, problems, concepts, theories, research & system.

Introduction to demography and statistics and study of statistical methods & techniques related to housing, population, land use, etc.

Urban problems, prospects, impacts, growth & development case study.

Introduction to demography and statistics and study of statistical methods & techniques related to housing, population, land use etc.

Study of various infrastructure in urban and rural areas and a comparative study of it in India and foreign cities, study of economic base, policies, concept, control, programs for its development, and fiscal planning. It also includes land/real estate economics and market mechanism.

M.U.R.P. Curriculum

Introduction and importance of ecology, urbanization and its impact on nature. Ecological application to architecture and planning.

Introduction and importance of ecology, urbanization and its impact on nature. Ecological application to architecture and planning.

Introduction to housing, housing finances and services, rural housing.

Geographical concepts and terminology. Various GIS packages and their salient features, application of GIS.

Architectural Design

Contemporary Architecture: Trends and Theories

Low Cost Building Design and Techniques

Building Byelaws & Architectural practices

Urban Design

Energy Conserving Architecture & climatic design

Building Industry

Architectural Research and evaluation

Planning design & urban regional planning

Planning principles & techniques

Demography & quantitative techniques

Urban dynamics

Planning legislation

Urban & rural infrastructure & economics

Ecology for Architecture and Planning

Computer Applications for Architecture and Planning

Housing

Theory and Applications of GIS
## Faculty

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name</th>
<th>Qualification</th>
<th>Date of Joining IITR</th>
<th>Subjects Taught</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Rita Ahuja, Asstt. Professor</td>
<td>B.Arch., University of Roorkee (1977), M.Arch. University of Roorkee (1979)</td>
<td>27th June 1983</td>
<td>Quantity Pricing &amp; Estimates, Acoustics, M.S. Building, Arch. Design</td>
</tr>
<tr>
<td>S. No.</td>
<td>Name</td>
<td>Qualification</td>
<td>Date of Joining IITR</td>
<td>Subjects Taught</td>
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<tr>
<td>17</td>
<td>Manavi Suneja, Asstt. Professor</td>
<td>B. Arch., Guru Gobind Singh Indraprashta University, New Delhi, 2009 Master of Landscape Architecture, School of Planning &amp; Architecture, New Delhi, 2012 Pursuing Ph. D. at IIT Roorkee</td>
<td>16th December 2015</td>
<td>Landscape Design &amp; Site Development, Introduction to Building Materials &amp; Construction , Architectural Design</td>
</tr>
<tr>
<td>20</td>
<td>Ar. Amit Ghosal Adjunt Faculty</td>
<td>Architect-Planner, Director, Livin Systems Consultants Pvt. Ltd.</td>
<td>1st June, 2016</td>
<td>Infrastructure Planning, Arch Design,</td>
</tr>
</tbody>
</table>
Dr. Pushplata
Professor

Brief Background
B.Arch. with Honours and University Prize for standing first in class from University of Roorkee (1978), PG Degree in Arch (Urban Design) from School of Planning and Architecture, N-Delhi (1980) and PhD on Urban Design Matrix for Hill Towns from University of Roorkee (2001).

Area of Interest

Career Profile
Joined the department in 1983 after working with Consulting Engineers India Ltd., New Delhi and as Research Associate in School of Planning and Architecture, N Delhi prior to that, during which worked on various urban design and planning projects in India and abroad. Since then, have been teaching B.Arch., M. Arch. and MURP courses and guiding research. During this period developed a number of courses including those on Research in Architecture and Planning, Urban Design, Urban Public Spaces; and published number of papers in reputed international and national journals, and conferences, some of which have been awarded the best paper award. Am now identified as key resource person in the field of Architectural education and research, Sustainable Built Environment in Hill Areas, Urban Public Realm, and involved as chairperson/member in various academic and professional committees. Undertook an extensive exercise as HOD for review and restructuring of B. Arch. Curriculum, involving eminent practicing professionals, academicians, and Alumni through a series of workshops, which is now referred by a large number of institutes in the country. Both the PG courses(M.Arch. and MURP) were also revised to align in keeping with the societal needs and interest of faculty members.

ii) Major Research and Consultancy Projects
- Geo-environmental Appraisal of Almora for Hazard Assessment as a basis for Planning for Future Urbanization, Sponsored by MHRD with a Budget Outlay of 8.0 lakhs, awarded in 2004 (Completed)
- Professional services for evaluating three key locations, for SKP Consulting Ltd., Mumbai, with a budget outlay of 0.85 lakhs in 2015 (Completed)

iii) Current Professional/Academic activities
Contributing to architectural education and research in the country as Chairperson, All India Board of Architecture, AICTE; Member Board of Governors, School of Planning and Architecture, Bhopal; and Member Academic Council, School of Planning and Architecture, Delhi – Institutes of National Importance in Architecture and also member of various academic and research degree committees in number of universities in the country viz. MANIT Bhopal, NIT Raipur, IP Technical University, DCR University of Science and Technology, Murthal. Am also a member Advisory Committee on Technology Vision 2035, TIFAC, DST, Govt. of India, Housing and Habitat Subsector. I have been Member of NAAC, UGC, AICTE and Council of Architecture Inspection Committees. Invited as Jury member of International and National Architectural Design Competitions by Govt. organizations and academic institutes. Frequently invited for key lectures on Sustainable Built Environment in Hill Areas, Urban Public Realm, Architectural education and research in various professional for a and academic institutes. Teaching theory as well as Design courses at UG and PG and guiding research including a new course developed on Urban Public Spaces. The focus of teaching and research is on live problems of built environment in Indian cities.

Other Information related to Research/Consultancy Projects
The focus of research was on developing and application of an assessment tool for determining suitability of hill sites for urban development/different land uses integrating aspects of hill instability, environmental degradation, micro climate, locational and visual-aesthetics considerations for ensuring sustainable built environment which can become the basis for Planning for Future Urban Development in hill areas.
Dr. V. Devadas
Professor

Professional Background
Chief (Decentralized Planning) State Planning Board, Govt. of Kerala, India (2004-2005)

Area of Interest

Awards and Educational Details
- Khosla Research Prize (First Prize) by IIT-Roorkee (1998)
- Gold Medal by Gandhigram Rural Institute, Gandhigram, Tamil Nadu. 1984

Membership
- System Dynamics Society of India, IIT-Kharagpur, India, Life Member
- Indian Society of Continuing Engineering Education, IIT-Roorkee, Life Member
**Dr. Ila Gupta**  
**Professor**

**Brief Background**
BA with Honours, MA (Fine Arts) awarded Chancellor’s Medal for standing first in 1976, Ph.D., all from Meerut University, UP, India. Joined Department of Architecture & Planning as Assistant Professor in 1996, presently Professor since 2014. Joint Faculty in the Department of Humanities and Social Sciences, and Centre for Transportation. Had been Chief Warden of Kasturba Bhawan for three years, Staff Advisor, Fine Arts Section for four years. Did Art related work for the Institute such as Cover Design for Annual Report and other publications, Murals and Sculptures, First Day Cover design for the Stamp on IIT Roorkee (1997), Seal (Logo) of IIT Roorkee (two times, 2001 and 2015) and IIT Mandi (2011). Involved in research on revival of Folk art, Cultural Heritage, women Empowerment and Social awareness, Selection of Colour scheme, signage etc for stress free and user-friendly built environment.

**Area of Interest**

**Sponsored Research Projects:**
- Safeguarding the Traditional Craftsmanship of Almora and Pithoragarh through Documentation and Workshops (Focus on Aepan and Likhai Kaam), Ministry of Culture, Apr 2015, 2 Years, Co-P.I.

**Consultancy Projects**
- Design of Noise/Dust Barriers for Britannia Chowk Flyover, PWD New Delhi, 2003, Co-PI
- Design of Noise Barrier for Reduction of Noise Level at Panchsheel Park, New Delhi, Scheme-PDW, New Delhi, 2016, Co-PI

**Awards**

**Other Academic Activities**
- Coordinator of a short term course on Recent Trends in Application of Art and Architecture funded by QIP, IITR (8th to 12th June, 2015)
- Conducted a 3 day National Workshop based on Project Dharohar and Monograph Sanchay, CUDD, IIT Roorkee, 2015, Co-P.I.
- Organised a Design Jam focusing on “Recycling Spaces through multi-disciplinary approaches that cross fertilize innovate design”, in collaboration with the Dept. of Civil Engineering, 2016
- Chairperson of (First International Conference in Department of Architecture & Planning) on Sustainable Built environment, 2017.
Dr. P. S. Chani
Associate Professor

Brief Background
Associate professor in the department of architecture and planning and guest faculty in CTRANS. Completed B.Arch. (1986-91) and M.Arch. (1991-93) from IIT Roorkee. His Ph.D. (1994-2002, IIT Roorkee) was the 1st Indian thesis on embodied energy in construction.

Area of Interest

Consultancy Projects
- Estimation of Construction Energy Cost (CEC) for Housing in India, Sponsoring Agency: BMTPC, Budget Outlay: 2.50 Lacs, Date of Award: 1998, Status of Completion: 1999
- Improvement of Central Verge, Foot Path & Mastic Wearing Cost of Various Roads under PWD Division M-111 for Common Wealth Games, Sponsoring Agency: CPWD, Delhi, Budget Outlay: 15,02,263/-, Date of Award: 2010, Status of Completion: 2011

On-going Research Project:
- Estimation of Embodied Energy for Low Carbon Building Construction (Principal Investigator), Sponsoring Agency: Building Materials & Technology Promotion Council (BMTPC), Budget Outlay: 8.46 Lacs, Date of Award: March 2016, Status: To be completed by September 2017

Others Academic Activities
- Introduced energy estimation (UG and PG studios)
- Energy simulation modelling and assessment (PG design studios)
- Evolution of contemporary world architecture and architecture of the future
- Audio-visual presentations
- Compendium of over 3500 slides
- Class study work – introduction of blog writing and prezi presentations
Dr. Mahua Mukherjee
Associate Professor

Brief Background
B. Arch and Ph.D. from Jadavpur University, Post-graduate from University of Roorkee in Building Science and Technology, completed certificate courses on Construction Management and Housing from Lund University (Sweden) and Environmental Planning (CEPT Ahmedabad). Associate Professor in Department of Architecture and Planning IIT Roorkee.

Area of Interest
Sustainable, resilient urban built environment. Climate, Structure in Architecture, Advanced Building Technologies and Sustainable Urban Development

Awards
- Fulbright Fellow
- Visiting Research Faculty Position in DPRI, Kyoto University, 2016

Sponsored Project
- Effects of Architectural Features on Wind Load in Buildings, File No. UCS&T/R&D/Eng-3/06, PI : Dr. A. Gairola, under UCOST, Completed & Report Submitted; Project Cost: 5.69 L
- Technical inputs for establishment of State Institute of Hydrology and water management, Bikaner; PI: Dr. N K Goel; Project No. Hyd 1009/11-12.

Research Projects:
- Preparation of Standards & Specifications for Design and Planning of Affordable Innovative Green Housing, BMTPC, New-Delhi, Grant Code: BMTPC-APD dated January, 2014, Grant Amount Rs. 6.75 L
- Documentation on Traditional Earthquake Resistant Building Technology available with SAARC Countries, SDMC, Grant Code: SDC-703-DMC dated 25th April, 2013, Grant Amount Rs. 5.50 L
- Surface transformation due to Urban dynamics in Institutional campuses and its Environmental impact, UCOST, Grant Code UST-626-APD dated 8th May, 2012; Grant Sanctioned Rs. 5.63L
- From dawn to dusk-Transportation of Rural women to and from Calcutta metropolis: International Research Project on behalf of Centre for Built Environment, Kolkata and supported by International Forum for Rural Transportation and Development (ITDG) London, UK, 1997-98; Project Cost: Rs. 40000/-

Current Activities:
- Initiating activities under the Housing for All Mission (MoHUPA) in IIT Roorkee as Coordinator for housing for All, IIT Roorkee.
- Designed guidelines for low-income housing in Uttarakhand and Uttar Pradesh.
- National Student Design Competition for Housing
- Risk and Resiliency Assessment for Gurgaon (from secondary source database) and for selected Roorkee neighbourhood (with primary survey) with M.Tech students (Centre for Disaster Mitigation and Management).
- Organizing Course on “Modeling Techniques for Sustainable Built Environment” from 17-19th March 2017
- Technical Team recommendation for Project Proposal on “Translating Urban Spaces as strategic Energy and Water security measure” under IPHEE-DST call.
- Reviewing scope for improvement in the Dehradun Smart City Proposal with MDDA.
Dr. Gaurav Raheja  
Associate Professor

Brief Background
An Associate Professor with over eleven years of experience as faculty in the Department of Architecture & Planning, IIT Roorkee. Dr. Raheja also held the position of Institute Architect at IIT Roorkee from 2007 to 2013. He specialises in the domain of universal design with a focus on inclusion of persons with disabilities, children and aging populations in diverse urban and rural contexts. He was the youngest recipient of the Mphasis Universal Design Award 2010 in the category of working professionals. He is an invited national expert on universal design and creation of barrier free environments to conduct workshops and deliver talks in various organisations including World Health Organisation (WHO), New Delhi, IIM Ahmedabad, etc. He has been a DAAD Fellow and a recipient of several German scholarships under Smart City programmes. He was a visiting professor in T U Darmstadt, T U Berlin and University of Duisburg, Germany during 2016. Dr. Raheja was an invited accessibility consultant to the Prime Minister's Office, New Delhi in 2015 and has also received a letter of recognition from the Ministry of Social Justice and Empowerment, for his exceptional professional services to Govt. of India in the domain of accessibility planning for persons with disabilities. He pursues research on urban futures through an interdisciplinary approach involving design thinking, accessibility planning, mobility systems and social sustainability perspectives.

Area of Interest

Awards
• Invited as an Accessibility Consultant for Access Audit of Prime Minister's Office (PMO), New Delhi (November, 2015)
• Selected as a DAAD IIT Faculty Exchange Scholar for 2016 through the German Academic Exchange Service Scholarship. (15 June – 31 July 2016)
• Visiting Professor in T U Darmstadt, T U Berlin and University of Duisburg, Germany.
• Selected as an Indian scholar among thirty internationally selected scholars on the theme ‘City of the Future at Bonn, Germany (31st January to 6th February, 2016) under DAAD Science Tour, 2016.
• Empanelled as an Accessibility Consultant by Department of Disability Affairs, Ministry of Social Justice and Empowerment, Government of India under Accessible India Campaign, 2016

Select Research and Professional Activities
• Authored a book titled 'Enabling Environments for the Mobility Impaired in Rural Areas', published by Lambert publications, Germany, 2016. Foreword by Prof. Edward Steinfeld, Director, Centre for Inclusive Design and Environmental Access (iDeA), State University of New York, Buffalo, USA.
• Organised a workshop titled Urban Dialogues : The Global City and the Local Village with a case of Gurgaon under Centre for Urban Design and Development, IIT Roorkee. (co-partnered with Danish Architect, Henrik Valeur)
• Developed, Published and Copyrighted Universal Design India Principles (UDIP), 2011 alongwith eight authors and registered at National Institute of Design (NID), Ahmedabad led by Prof. Abir Mullick from Georgia Tech, Atlanta, USA.

Select Projects
• Accessibility audits of
  New Delhi Railway Station,
  New Delhi Airport Terminals (1D, 1C & T3),
  North Block (Ministry of Home Affairs, Ministry of Finance),
  South Block (Ministry of Defence, Ministry of External Affairs)

Central Secretariat, New Delhi
• Accessibility audit of Tata Institute of Social Sciences, Mumbai (2014)
• Accessibility audit of Jawahar Lal Nehru University, New Delhi (2012)
• Member, National Advisory Committee for Conceptualisation and Inception of National Institute of Universal Design (NIUD), India appointed by the Ministry of Social Justice and Empowerment, Government of India. (2013)
Dr. Tina Pujara
Assistant Professor

**Brief Background**
Tina is an urban designer and architect, with professional and research experience in India, Singapore and Switzerland. Her research interests sit at the crossroads between urban design, planning, and (few elements of) sociology, in the field of sustainable development. Research-wise she many a times sees herself as a social scientist with a strong design focus and has an inclination towards multidisciplinary research. In parallel to this, she has a strong interest in looking at design processes and the pedagogy of these. She has been experimenting with the role of films as a medium for classroom and studio teaching in the field.

**Area of Interest**
Urban Design, Sustainable urban form, Sustainable Urban Development, Urban Social Sustainability, Architectural Journalism

**Research Project**
Project Title- Cities and Urban Happiness: The Role of Urban Form Collaborators- Arb East Architects, Hanoi, Vietnam and TU Darmstadt, Germany, Sponsor- The research was self-sponsored with support from collaborators (Year- 2014-15).

**Video Film (Visual Teaching Aid) Production**
Title- HAPPINESS by Design?
Sponsor- Quality Improvement Programme Centre (CD Cell Activities), IIT Roorkee
Film Duration- 26 minutes
Theme- Urban Design, Development and Planning
Year- 2014-15
Dr. Uttam K. Roy  
Assistant Professor

Brief Background
Dr. Uttam K. Roy received his B. Arch degree from Jadavpur University, Kolkata (1997) and M. Planning (Housing) from SPA, New Delhi (2000). With more than sixteen years of experience he served as Architect- Planner for New Town (Now, a Smart City), Kolkata till 2004. He served ATI, Kolkata as Assistant Professor and Nodal Officer, HUDCO chair till 2012 and completed his PhD from Jadavpur University in 2015. He is serving IIT Roorkee as Assistant Professor since 2012. He is recently awarded project under Uchchatar Avishkar Yojana (UAY), MHRD, Govt of India. He has initiated setting up Housing Research Centre (HRC) at IIT Roorkee. Conducted more than fifty short courses (NPTEL, QIP an TOT), guided 25 PG thesis and guiding four PhD students and four PG students including DAAD fellows.

Research Interest
Housing, Modular Design & IBS; Spatial Urban Planning& Land Management

Awards
1. Recognised Trainer (RT) of Department of Personnel and Training, Govt of India, from 2010
2. Best Subject Paper award in Architectural Engineering by the Institution of Engineers India, 2009

Major Research and Consultancy projects
1. Development of Modular, Infill and Interlocking AAC Blocks with it's Design interface for Market Driven Affordable Mass Housing for Low Income Group (LIG) in India (INR 26 Lakh, MHRD, MOHUPA & BGSCFPL, Uchchatar Avishkar Yojana (UAY), 2016-19, PI)-ongoing
2. Capacity Building for Urban Local Bodies (CBUD) for HP and J&K (MOUD, GOI as PI)-ongoing
3. Translating Urban Spaces as strategic Energy and Water security measure (96.1 Lakh, DST, Govt of India, 2017-19, as Co-PI)-awarded
4. Model LUDCP & DCR for Peri-Urban Areas (INR 25.5 lakh, MOUD, Govt of India, PI-completed
6. Pilot study of Non Municipal Urban Areas (INR. 8.2 lakh, Department of Panchayat and Rural Development, Govt. of West Bengal, 2009-2012, as PI & Planning Expert)-completed
7. Capacity Building programme of Assistant Managers of Kolkata Municipal Corporation (INR. 30.0 lakh, DFID 2006-2009, as Coordinator)-completed

Present academic, research and extension activities
1. Actively Involved in the Smart City Dehradun project as one of the expert member
2. Conducting (as Studio In-charge of Planning Studio-II) Greater Roorkee Development Plan (with newly notified areas) under Town and Country Planning department, Government of Uttarakhand
3. Administrative responsibilities: Arch & Plng Deptt: Convenor, FSC; OC, Examination; Member, DRC; Member, DPC; CTRANS: OC, M Tech, Member, Academic and Research Committee
4. Coordinator, Scientific Committee, SBE-2 (2017), Edited numbers of research papers
5. Conducting NPTEL course (20 hr) on Housing Policy and Planning during January-March 2017
6. Serving also as an associate faculty in Centre for Transportation Systems (CTRANS)
Ms. Harshit Sosan Lakra  
Assistant Professor

Area of Interest  
Economic and Community Development, Environmental Planning, Culture Based and Creative Economy Planning, Vernacular Architecture, Indigenous Community Studies, Urban Planning and BIG Data Analytics.

Projects
- Model Village Development for Juang Tribe in Odisha HUDCO, 22.25 Lakhs, Mar 2014, 2 Years, P.I.
- Safeguarding the Traditional Craftsmanship of Almora and Pithoragarh through Documentation and Workshops (Focus on Aepan and LikhaiKaam), MOC, 13 lakhs, Apr 2015, 2 Years, Co-P.I. (Approved).

R & D
National Mission Project on Education through ICT (Subject- Vernacular Architecture), MHRD, Govt. of India, Rs 8 Lacs, National Mission Project on Education through ICT (Subject- Building Economics), MHRD, Govt. of India, Rs 8 Lacs, Urban Environmental Management, Performance Measurement of NGO's and ULB's initiatives, Case study of Slums of Ranchi, BIT Mesra Ranchi, Bush Clinton Katrina Fund, Cornell Urban Scholars Program, Cornell University, 5000 USD.

Awards
Ford Foundation International Fellowship Program (IFP) Fellow, FORD Foundation (2006-2009); Cornell Urban Scholarship Program, Cornell University (2008); Graduate Research Travel Award, Cornell, City and Regional Planning (2008-2009); Graduate Research Travel Award, Cornell University, Graduate School (2008-2009); Nominated for Tribal Achiever Award in Education Section, Department of Tribal Welfare (2010)

Academic Activities (courses)
- Organized with Prof M. Parida short term training programme on “Big Data Analytics for Urban Planning and Management” under Quality Improvement Programme funded by AICTE from 6-10 June 2016.
- Conducted a 3 day National Workshop based on Project Dharohar and Monograph Sanchay, CUD, IIT Roorkee, 5.7 Lakhs, Aug 15, 3 Days, Co-P.I., , 16 to 18” August 2015.

Foreign Visit
- Cornell University, Ithaca, NY, USA from 25-5 December 2016
- Cornell International Christian fellowship Interaction, Ithaca, NY, USA from 6 – 8 December, 2016
- The Ride, Ann Arbor, Michigan, USA 9-13 Dec 2016, Anikai Studio, Boston, USA, 14-18 Dec 2016
Dr. Avlokita Agrawal
Assistant professor

Brief Background
Dr. Avlokita Agrawal is working on issues within the large umbrella of Sustainability in Built Environment. The intention is to look at the projects in a comprehensive and holistic manner such that they are self-sustainable. Starting with a career in Whole Building Simulation with Green Building Consultancy Firm, I have worked with companies like Asahi India Glass and Honeywell International Pvt. Ltd. In the domains of energy efficiency in buildings, she is currently working on research projects related to Solid waste management towards zero waste campus, net carbon neutral campus, demand side management for energy and water for campus etc. In addition to this, she is working on social projects for women empowerment and social awareness towards sustainability. All this would help to move closer to sustainability.

Area of Interest

Awards
- Dr. Avlokita Agrawal qualified as “ECBC Master Trainer” through a training programme organized by BEE in September 2015. She has also been nominated as a member of panel for Glass and Glazing, CED 46: P20 of BIS.

Project
- Architectural consultancy services for Sainik Vishram Griha, funded by Kumaon regimental Centre, Kathgodam; total consultancy Fees 4.5L (status- completed)

Other Academic Activities
- Working on zero waste campus plan for IIT Roorkee
- Member of Panel for Glass and Glazing, CED 46: P20 of BIS
- Qualified as “ECBC Master Trainer” through a training program organized by BEE in September 2015
- Organized a One Day workshop jointly with civil Engineering Department and NBCC on “Sustainable & Efficient Structures in Smart Cities” at our Greater Noida Extension Centre on 17th September, 2016”.
- Part of organizing committee for “third international Dam Safety Conference” Organized by department of Hydrology, IITR on 18-19th Feb, 2017
- Lead Investigator for the CSR project supported by RAILTEL to ASMITA IIT Roorkee on remotely connecting villages to educate and empower under privileged women in villages.
Ms. Smriti Saraswat  
Assistant Professor

**Brief Background**  
Smriti Saraswat is trained as an Architect & Interior-Designer. She has worked on prestigious projects with DRONAH; DICRC, CEPT University; IIT Roorkee; Ministry of Culture; MHRD; and, HUDCO. She has received grants and scholarships; organised varied workshops; training programmes; short term courses; set up National and International collaborations; and authored several publications. She loves to travel; document; read; create photo essays; and tell stories.

**Area of Interest**  
Interior-Architecture; Craft and Technology; Traditional Knowledge Systems; Indigenous Communities; Cultural Heritage; Narratives; Design Research and Writing; and Pedagogy

**Awards**
- The Letter of Merit from CEPT University, Ahmedabad in 2011
- DRONAH Educational Grant in the Year 2011
- DAAD IIT MSP Grant to RWTH Aachen, Germany in 2015
- Best Paper Award in the International Conference on Sustainable Built Environment, 2017 in the session – Art, Craft and Heritage

**Projects**
**Completed**
- Monograph 'Dharohar' – Understanding the Importance of Art in Interior-Architecture sponsored by QIP, IIT Roorkee (0.20 Lakhs), Apr 2013 (1 Year).
- Documenting Space-Making Crafts of Uttarakhand, IIT Roorkee (FiG), May 2013 (3 Years).
- Model Village Development for Juang Tribe in Odisha HUDCO, 22.25 Lakhs, Mar 2014, 2 Years, Co-P.I.
- 3 day National Workshop based on Project Dharohar and Monograph Sanchay, CUDD, IIT Roorkee, 5.7 Lakhs, Aug 15, 3 Days.

**Ongoing**
- Safeguarding the Traditional Craftsmanship of Almora and Pithoragarh through Documentation and Workshops (Focus on Aepan and Likhai Kaam), MOC, 13 lakhs, Apr 2015, 2 Years, P.I. (Approved).
- Book “Sanchay - Art, Craft and Interior Architecture of Uttarakhand”, QIP, IIT Roorkee, 0.30 Lakhs, April 16, 1 Year, P.I. Smriti Saraswat

**Other Academic Activity**
- NPTEL Course on – “Role of Craft & Technology in Interior Architecture”, MHRD, 3 lakhs, April 2017, 8 Weeks.
- GIAN Course on – “Interior-Architecture, Craft and Design: Focus on Inter-Disciplinarity”, MHRD, 7 Lakhs, October 2016, 7 Days.
Dr. Arindam Biswas
Assistant Professor

**Brief Background**
Dr. Arindam Biswas, who graduated from the University of Tokyo, is an expert on urban planning and development. He has also undertaken Certificate Program on International Environmental Leadership at the University of Tokyo. He teaches both Post-Graduate and Under-Graduate student at the Department of Architecture & Planning, IIT Roorkee. He is presently involved in sponsored research projects on smart city, smart energy performances for built environment, and housing strategies for urban poor. He is also coordinating comprehensive capacity building program for various urban institutions in India. He has co-edited two Book Volumes and authored several journal papers. He coordinates international joint studios with the students of IIT Roorkee on various urban issues. Presently, Dr. Biswas is working on two book chapters on ‘Governance and Institutional Framework for Smart City in India’ and the ‘Role of Informal Economy in Indian Cities’. He is also co-editing a Book on ‘Collaborative Governance Efforts for Local Economic Development’.

**Area of Interest**
Urban planning & design, Regional planning, Inclusive growth, Urban & metropolitan governance, Urban land & legislation, Smart city, Housing, Slums & informal settlements, Urban risk & resilience, Cities & climate change mitigation, Mobility.

**Sponsored Projects**
- Action Research Methods for Urban Improvement and Slum Upgrading: Transferring Laboratory Research into Participatory Live-Work Strategies in Mumbai and Delhi (PI), MHRD-IMPRINT, 114.00 Lacks, 3 Years.
- Smart Performance Roadmap for Airport Terminal Buildings in India (Co-PI), DST, 120.00 Lacks, 3 Years.
- Framework to Manage Construction and Governance of Smart City Building in India (PI), NBCC, 24.10 Lacks, 3 Years.

**Consultancy Projects**
- Comprehensive Capacity Building Program for AMRUT and Smart City Mission Cities (PI), funded by Ministry of Urban Development, Amount- 36.00 Lacks (Approx.) (2016 to 2017).

**Awards**
- 2016: Best Paper Award; Exploring the Smart City Paradigm in the Context of Urban India; 7th October 2016; IBC New Delhi.
- 2016: Best Poster Award; A Planning & Architectural Intervention with Work-Living Solution For Migrants/Refugees In Cities, DWH Conference: City Scape; 29th September – 1st October 2016; German House of Research & Innovation, New Delhi.
- DAAD IIT Research Exchange Fellowship (2015-16)
- MEXT Scholarship by Government of Japan, University of Tokyo (2010)

**Other Academic Activities**
- Organising Secretary of an International Conference on Sustainable Built environment, 3rd to 5th February 2017.
- Organising Secretary of an eight day workshop titled Housing for All: An Urban Districts and Area-Based Approach towards Sustainability under MHRD Scheme on Global Initiative on Academic Network (GIAN) (from 4th to 10th October 2016).
- Professor in charge for UN-Habitat Partner University program, July 2016.
- Co-Convenor of IMPRINT India Sustainable Habitat domain, MHRD, 2015 onwards
- Organising Secretary of a National conference on Sustainable Built Environment, 10th to 12th April, 2015.
Dr. E. Rajasekar  
Assistant Professor

**Brief Background**
An Architect with Post Graduation and PhD in Building Technology. Focus areas include thermal comfort, visual qualities of built environment, building acoustics and noise control. Worked with a leading construction industry as research and development Engineer. A USGBC LEED accredited professional and coordinated the green rating of several projects. GRIHA and UAE Estidama rating certified professional. NABET certified functional area expert in noise and vibration. Current research deals with building performance benchmarking, Emergy Synthesis and application of Building Information Modeling (BIM) and Computational methods for performance evaluation. Working towards methods and materials to achieve climate sensitive and environmentally responsive built environments.

**Area of Interest**

**Awards**
- Best paper for a young author (Elsevier 2016, for the publication in Building and Environment)
- Shastri Indo-Canadian Doctoral Fellow (2008-09)
- Best paper awards from MIRC Acoustical Society of America (2004, 2009)
- Best paper award at CAM2TBST, CBRI (2008)

**Academic research projects:**
- Carbon footprint based resource management in neighbourhoods
- Climate severity based building envelop guidelines for composite climate of India
- Effect of Operational-phase uncertainties on carbon footprint of residential buildings
- Carbon footprint assessment of emerging construction materials
- Development of acoustical design guidelines for Health care buildings in India

**Sponsored Research Project**
- Indo-US collaborative research program on Improving Building Energy Efficiency, Agency: Indo-US Joint clean energy research center and DST, Budget: 45.0 Lacs, Date of award: January 2017, Status: Awarded
- Smart performance roadmap for airport terminal buildings in India, Agency: DST, Budget: 135.0 Lacs, Date of award: Awarded, Funds Awaited, Status: Awaited

**Ongoing Sponsored Research Project**
- Embodied energy assessment of residential buildings, Agency: BMTPC, Budget: 8.0 Lacs, Date of award: June 2016

**Ongoing Consultancy Projects**
Mr. Saptarshi Kolay
Assistant Professor

Brief Background
Saptarshi Kolay is presently an Assistant Professor at Architecture and Planning department of Indian Institute of Technology Roorkee. After completing his under graduation in Architecture form Jadavpur University, he went on to explore User Centric design at Design Programme of Indian Institute of Technology Kanpur. He attended student exchange programme of Aalto University, Finland and Escola De Arte and Desino, Spain.

Area of Interest

Awards
- He has received Yuva-Ratna award, Samsung app design award, RafiqAzam Travel Bursary.

Projects
Sponsored Research Project
- Connecting Third Age and Childhood through Indian Cultural Roots and Contemporary Technology, Faculty Initiation Grant, 2015, 10 Lakhs.

Other Academic Activities
- Conducting online NPTEL course on 'Visual Communication Design for Digital Media' (ongoing)
- Teaching Aid Preparation, under CD Cell Activities; Orthographic projection Made Easy: a teaching tool is developed to explain orthographic projections; by Aggarwal, A. and KolaySaptarshi (2016)
- Was workshop Mentor of 'Jugaad: a workshop on frugal design' at Design Programme, IIT Kanpur (2015)
- Gave Guest Lecture at NIFT, Kolkata (2015)
- Invited as External Examiner at SPA Bhopal for end semester evaluation for different courses (2015, 2016)
Dr. Ram Sateesh Pasupuleti
Assistant Professor

Brief Background
Dr. Ram Sateesh Pasupuleti is a registered architect in Sweden and India. He has attained his educational qualifications from most prestigious institutions-D Doctorate from SABE University of Westminster, London, UK, M.A. in International Studies in Vernacular Architecture, Oxford Brookes University, Oxford UK, and a Bachelor of Architecture from Jawaharlal Nehru Technological University, Hyderabad, India.

Area of Interest
Vernacular Architecture, urban design, sociology and cultural anthropology.

Awards
- Awarded SABE Scholarship for pursuing his MPhil-PhD at Westminster University.
- Selected for Graduate Scholar Award at Design principles and Practices, Illinois Institute of Technology, USA.
- Received funding from FORMAS, Universitets-ochHögskolerådet (Minor Field Studies), Attractive Built Environments.

He has gained interesting working experiences from UK, Cyprus, Sweden and India. Such experiences across different working environments and geographies have endorsed his professional skills in transnational education and research challenges and activities. His original quest of knowledge has contributed for designing culturally responsive environments in post disaster recovery in South Asian context. He has been a lead person for thematic research group ‘Adaptability’ in Attractive Built Environments’ at LTU Sweden. He has been a coordinator and also as organizing committee member for various National and international level symposiums, competitions, workshops and other intercultural activities.

Administrative and other professional Responsibilities held/Continuing at IIT Roorkee.
- Office Coordination: Time Table
- Office Coordination: Website
- ERP Representative
- Member Ragging Committee
- Member Department Research Committee.

Other Professional Responsibilities
Ms. Manavi Suneja
Assistant Professor

**Brief Background**

Manavi joined the Department of Architecture & Planning, IIT Roorkee as an Assistant Professor, in December, 2015. She has to her credit nearly four years of experience in teaching as well as practice. A part from having taught at premiere Architecture schools; she has worked on the landscape development of select parks while at the Landscape & Environmental Planning Unit, Delhi Development Authority, New Delhi. Further, she has been involved in the team for the preparation of the Green Master plan, Vijayawada& has assisted on; as well as handled landscape projects in independent capacity.

**Areas of Interest**

Study of Heritage & cultural landscapes, Landscape design, Ecological Planning & Conservation and Environmental Psychology.

**Awards**

- Recipient of the prestigious School of Planning & Architecture Gold medal in Landscape Architecture.
- Recipient of the prestigious Narender Juneja Gold Medal in Landscape architecture.
- Recipient of the Shriya Anand Award for overall performance in Landscape Architecture.
- Recipient of the award for Best overall performance in Bachelor of Architecture (II Year.)

**Ongoing**

- Comprehensive Landscape Development of identified area along Mayapuri Link Canal sponsored by Uttari Khand Ganga Nahar, Rs.5,50,000 (3-11-16).

**Other Academic activities**


**Workshops/ Guest lectures organized**

- Losing Biodiversity, 7th September, 2016 for first year M.Arch and MURP students-Department of Architecture & Planning, IIT Roorkee; Expert – Dr. Faiyaz A. Khudsar
- Part of the Organizing team of Design JAM jointly organized with Department of Civil Engineering & Department of Architecture & Planning, IIT Roorkee, 3-4th May, 2016; Expert - Ar. Aishwarya Tipnis.
- Introduction to Design Thinking, 12-14th February, 2016, for first year architecture students-Department of Architecture & Planning, IIT Roorkee; Expert – Ar. Takbir Fatima.

**Other activities**

- Landscape Design Proposal for Aroma Garden at Old Alpahar area, for Institute Architect, IIT Roorkee (Dec - Jan, 2016.)
- Landscape Design Proposal for Canteen at D/o Architecture & Planning, under the aegis of Prof Ila Gupta, HoD Architecture & Planning, IIT Roorkee (Sept – Oct, 2016.)
Dr. Sonal Atreya
Assistant Professor

**Brief Background**
Dr. Sonal Atreya is working in the area of Design and Development of innovative products and systems for assistive technologies for the disabled and elderly, enhancing inclusion of the socially deprived, employment generation and women empowerment. She received her Bachelors in Architecture from School of Planning & Architecture, New Delhi. She developed interest and motivation to work in the area of assistive technologies while pursuing her Masters in Industrial Design (M.Des.) at IIT Delhi. Dr. Sonal Atreya received her PhD from IIT Delhi. During her PhD she developed and patented a device and for excellence in her research work she was awarded the 'Research and Innovation' Award by the IIT Delhi Alumni Association.

**Area of Interest**

**Other Academic Activities**
Her current pedagogic, research and design are in the fields related to
- Innovation
- Ergonomics
- Design for Employment Generation
- Design for disabled, children, elderly and socially deprived
- User-Centric Design Research
- Collaborative Research
Ar. Anil Kumar Sharma
Architect
Adjunct Faculty in Architecture & Planning

Brief Background
Anil Sharma graduated from IIT Roorkee in the year 1982. He started his career with Bhardwaj Bhardwaj & Associates in the year of 1982 and worked with them till 1984. Later on he joined Kabil Associates- a USA based firm in the year 1984 and worked with them until 1989, with them he worked on various prestigious projects namely USIS Calcutta, US Chancery Burma, US consulate Lahore & Consulate Residence at Lahore. In addition he also worked in US office of Kabil Associates for 6 months on various other projects of Kabil Associates.

In the year 1989 he started his own practice of Architecture by the name of ASA (A Sharma Associates). The first project done by him was won through a limited competition. This was a hotel project at Pune later on branded as Holiday Inn Pune. This Project was awarded “The best Hotel of the year in Asia Pacific region” by Holiday Inn Worldwide. Since then Anil has been involved in various reputed Hotels Projects, Mall, and Office building all over south East Asia. Anil has also designed two large hotels in Kazakhstan. During all these years his work has been published in two very prestigious architectural journals A+D & Archi-Design. He has also been design jury member for national level architectural awards. He has also been invited to deliver special lectures in prestigious school of architecture in India.

Area of Interest

Some Major Projects
- RADISSON BLU, PASCHIM VIHAR, NEW DELHI
- RADISSON BLU, Varansi, Uttar Pradesh
  Completed - 2002. | Plot Area - 0.83 Acre. | Total Built Up Area - 9850 Sq.Mt. | ASA SCOPE - Arch. Str. MEP.
- RADISSON BLU, Faridabad, Haryana
- RADISSON BLU, Bhopal, Madhya Pradesh
  Plot Area - 20031.93. | Total Built Up Area - 21525 Sq.Mt. | Number of Bays - 140 | ASA SCOPE - Arch. Str. MEP.
- COMMERCIAL CUM RADISSON, Gaya, Bihar,
  Plot Area - 1.43 Acre | Total Built Up Area - 19983.50 Sq. Mt. | Number of Bays - 94 | ASA SCOPE - Arch. Str. MEP.
Ar. Amit Ghosal
Architect-Planner, Director, Livin Systems Consultants Pvt. Ltd.
Adjunct Faculty in Architecture & Planning

**Brief Background**
An Architect-Planner with over 30 years of wide and varied Professional Experience and has considerable experience in Planning, Design and Execution of Urban-scale projects of national eminence. His basic strengths are to conceive and visualize large-scale projects in the Urban and Regional context while integrating the nuances of planning and design with economically viable and appropriate infra-structure services.

**Area of Interest**
Energy Efficient Buildings*, responsive to local climate, renewable energy applications in Architectural Design and Planning principles incorporating waste-recycling, rain-water harvesting, aquifer-recharge, economics in the lay-out of services, landscaping and other applications towards “Sustainable-Development

**Selected Ongoing Projects**
- Multi-storied housing complex for DMRC at Sector-50, NOIDA, Advisor and Senior Consultant to “Delhi Urban Art Commission”.
- Consultant to NCRPB for review of Regional Plan- 2021, 2012-2013.
- Modernization of Sector-72, Mohali as a Green IT Sector, 2010-2011.
- Krishna Sahakari Awas Samiti Ltd., site development and plotted, housing project at Greater Noida, 2005-ongoing.
Visible Research Output

**Publications**

- 2011-12: [Number of Publications](#)
- 2012-13: [Number of Publications](#)
- 2013-14: [Number of Publications](#)
- 2014-15: [Number of Publications](#)
- 2015-16: [Number of Publications](#)
- 2016-17: [Number of Publications](#)

**Research & Consultancy Projects**

- Completed - Sponsored Research Projects (6.5 lakhs): 5
- Ongoing - Sponsored Research Projects (76.36 lakhs): 14
- Awarded - New Sponsored Research Projects (15.27 lakhs): 5
- Consultancy Projects (9.77 lakhs): 4
Infrastructure

Presently the Department has 51 Research Scholars (Regular and Part Time) for whom a 2500 square feet, air conditioned room, which can accommodate 40 research scholars, is provided.

The department has Windows and Macintosh O.S. Computer labs, which are fully air conditioned. There are separate labs for under graduate, post graduate and research students. The main Computer lab has been provided with two multi-colour plotters and other A3 and A4 printers. A number of Graphics Pads are provided for the post graduate and research students. Every lab is provided with softwares for Architecture, Planning, Estimation, 3D Modeling and Rendering.

The Department has a high-end Climatology Lab equipped with Total Weather Station, Heliodon, Thermo-Hydro-Wind Data Logger, Plant Canopy Analyzer, Thermal Imaging Camera etc.

Research Scholar's Labs

Computer Labs

Climatology Lab
Photography Lab

State-of-Art digital cameras: Kodak, Nikon, Cannon; Sony digital video cameras.

Workshops


Art Lab

A state-of-the-art Art Lab is provided in the department. It is equipped with specially designed working tables, Potters wheel, Clay Modeling tools, Wood Carving tools etc. The works of students are exhibited in the lab which establishes a beautiful environment to work.

Library

A Library with more than 3,000 books is functioning in the department focusing on architecture, planning and design related subjects. There are many Journals and Magazines subscribed in the library which help the students to have updated knowledge. A collection of doctoral/masters Theses Dissertations is also available in the Library for reference.
Capacity Building Initiatives

Student Exchange Programs

Students also go on various exchange programs such as DAAD and exchange semester at ETH, Zurich. Our students are undertaking post graduate courses abroad specializing in architecture, planning, land management and real estate development.

Workshops

Students obtain experiential learning and hands-on training through the interactive workshops organized by the department. These workshops help students to enhance their creativity.

Study Trips

Students develop an appreciation towards real-world scenarios through the field visits and study tours. These cover a wide range of disciplines from specific building case-studies to settlement level studies.
Guest Lectures

Eminent personalities from the industry and academia around the world frequently visit the department and share their rich field experiences with students. Such lectures prove to be an opportunity for the students stay up-to-date with the developments in industry.

NASA

The National Association of Students of Architecture, constitutes of over 95% of the architecture students across 120 colleges in the country as its members. IITR has been actively participating and has won many prizes and citations in its Annual Conventions.

Cognizance

One of the largest Technical festivals of the Indian sub-continent, Cognizance is an agglomerate of over 135 events which imbibe each wavelength of the entire technical spectrum. Every year, 2500 technocrats pour in from across the country to be a part of this special festival.

Sports

The Institute has some of the best facilities in a number of games and sports and awards proficiencies in 14 games. Students of the institute make use of the marvelous sports facilities to excel in different sports.

Capacity Building Initiatives
Past Recruiters

Wipro
Mu Sigma
CBRE
Schlumberger
Futures First
Mphasis
redbee Infrastructure
Shapoorji Pallonji
ZS Associates
Hindustan Unilever Limited
SIEMENS
Deloitte
Oracle
Bharti
Jones Lang LaSalle
dar al-handasah shair and partners
ixigo
DLF
Tata Consultancy Services
Infosys
Total Environment
absolutdata
NTPC