

M. Tech. Civil Engineering
Computer Aided Structural Analysis and Design (CASAD)**ABOUT THE PROGRAMME**

With surging requirements of tall, complex and diversified structures, structural engineers need to be equipped with fundamental knowledge, skills and adaptability. Civil Engineering Department offers Postgraduate programme, M. Tech. Civil Engineering with specialization in Computer Aided Structural Analysis and Design (CASAD) since 2002. The programme is designed with an objective to impart strong theoretical concepts along with appropriate exposure to practices followed in the professional field amongst the post-graduate students. The scope of the programme covers teaching-learning processes, hands-on to sophisticated laboratory equipment's & latest computational tools, knowledge upgradation through expert lectures, practical trainings and major project work and is further extended to involvement of students in research and innovations as well.

SALIENT FEATURES OF THE PROGRAMME

- Qualified and experienced faculty members of the department thrive to impart quality education with up-to-date knowledge.
- Regular site visits – local & out-station for students to appraise professional requirements of the field.
- Hosting of distinguished Professors and Scientists from International and National institutions of repute.
- Organizing demonstrations, workshops, field discussions, expert lectures from reputed industries and structural consultancy firms.
- Collaboration of the department with nationally reputed research organizations like CSIR Laboratories, SAC-ISRO, ISR etc. helping students for academic visit, major project work, seminar/workshop participation etc.
- Students work under the supervisions of the faculties as part of externally funded major projects, consultancy projects etc.
- Full-fledged library facilities with sufficient number of titles and e-resources allows students to gain the requisite knowledge on subject domains.

LABORATORY AND EXPERIMENTAL FACILITY

Department of Civil Engineering has well-equipped laboratories covering various civil engineering domains. Heavy Structures Laboratory (HSL) is a state-of-the-art experimental facility catering to the need of experimental investigations on various structural components/structural systems under gravity and lateral loading protocols using loading frames & sophisticated instrumentations.

Concrete technology laboratory equipped with advanced facilities & equipment to undertake in-situ testing of mechanical & durability properties of concrete and non-destructive testing. Computer laboratory is equipped with computer systems installed with professional licensed software like STAAD Pro., SAP2000, ETABS, MIDAS-GEN, ABAQUS, SAFE, Pro-SHAKE, AutoCAD, ORIGINLAB, ANSYS, MATLAB etc.

PLACEMENT

Students have been placed well in organizations including; core structural consultancy firms, MNC's, Government organizations, Research center, Academic institutions, etc. Alumni of the department supports our academic activities through experience sharing, providing summer internship, job placement and plays active role.

ADMISSIONS

Applications for admission to post-graduate programme, M. Tech. Civil Engineering - CASAD are invited from motivated students desiring to pursue rewarding career in the domain of Structural Engineering.

Students appearing for final semester examinations of Bachelor of Civil Engineering are eligible to apply subject to fulfilling eligibility criteria. For details refer website: www.nirmauni.ac.in

ELIGIBILITY CRITERIA

Candidate should have passed the qualifying examination of Bachelor of Engineering / Bachelor of Technology in Civil Engineering from a recognized university with minimum percentage of marks 55% as prescribed by AICTE or equivalent cumulative grade point index.

FINANCIAL SUPPORT

- Scholarship of Rs.12,400/- per month to few GATE qualified candidates may be offered as per Nirma University rules based on merit of admission.
- Non-GATE candidates may be offered a scholarship of Rs. 5,000/- per month based on merit of the written test conducted by the Nirma University.

Contact us:

Department of Civil Engineering,
School of Engineering ,
Institute of Technology,
Nirma University,
Sarkhej-Gandhinagar Highway,
Ahmedabad – 382481, Gujarat, India
Phone: +91-79-71652211
Fax: +91-2717-241916-17
E-mail: hod_civil.it@nirmauni.ac.in

