

- 10. Quiz Competition:** At the end of every semester, a quiz inclusive of all subjects for 100 questions is conducted.
- 11. Material Testing Facility:** Department is doing material testing of construction materials for contractors.
- 12. Financial & Logistics Assistance for projects:** Students are provided financial, logistics assistance as well as industrial linkage for final year projects.
- 13. Technical festival:** Every year a technical festival is organized by students for technical and non-technical events which improve their event management skills.
- 14. Workshops:** Every year live demonstration of application of civil engineering materials is organized by the department.

PROGRAMME OUTCOMES

- 1. Placements / Job offers from companies:** MEP Infrastructure, Alpha Nine Marine, Patel Infrastructure Limited, Dhruv Consultants.
- Students are assisted and guided for competitive exams like GATE
- Many students are pursuing higher studies at reputed institutes like AMITY, VIT, CEPT, NICMAR, SVNIT, BVM etc.
- Students are encouraged to become entrepreneurs through dedicated entrepreneurship programs.
- Students have successfully completed final year projects under the guidance of faculty

members and in consultation with institutes/industries like:

- Institute of Seismological Research, Gandhinagar
- Vyom Consultants, Vadodara
- Archon Consultants, Chikhli
- Er. Ankit Bhalodi, Rajkot
- Svayam Symphony, Anand-Sojitra Rd.
- Unique Construction (Bridge), Surat



Universal Testing Machine



Shake table – Earthquake Engineering Lab.



Adani Shantigram site visit, Ahmedabad

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A. D. PATEL INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING

Programme: Bachelor of Civil Engineering

Year of Starting: 2011

Head: Dr. Rajiv B Bhatt

Mobile: +91 9428488052

Email: head.civil@adit.ac.in

Vision Inculcating creativity for environmentally sustainable Civil engineering

- Mission**
- To nurture excellence and promote the growth of learning environment
 - Create state – of – the – art infrastructure to enhance teaching, research and consultancy
 - To facilitate effective interactions among faculty and students, and foster networking with alumni, industries, institutions and other stake-holders

INTRODUCTION

Civil Engineering is one of the oldest branches of engineering and the department provides practical based learning with focus on fundamental teaching of basic courses as per the curriculum of GTU.

The Department is having highly qualified and experienced faculty members with different specializations. Two faculties are Ph D, three faculties are pursuing their Ph D and rest are with first class Masters in various sectors of Civil Engineering.

Vision of the department is to prepare engineers who can perform well in the field. For this, the department provides rigorous training from practical aspects to the students. Students are imparted sound academic knowledge which can help them to compete with their peers to face future challenges in the field of Civil Engineering. Department also emphasizes on developing soft skills of the students.

STATE OF THE ART LABORATORIES

The Department has well developed state of the art laboratories with highly sophisticated, modern and latest equipments. Our main laboratories are Concrete Technology, Geotechnical Engineering, Transportation Engineering, Environmental Engineering, Fluid Mechanics (Hydraulic) and Earthquake Engineering. Department has computer laboratory with software like STAAD Pro, AUTOCAD etc. A few of the major equipments are as follows: *Universal Testing Machine*, Total Station in Geo informatics, *Tri-axial Testing Machine*, Earthquake testing shake

Table, *Open Channel Tilting Flume setup*, Marshal Stability Apparatus, *Digital Rebound Hammer*.

ACHIEVEMENTS AND LAURELS

- 1. Gold Medal (Year 2016-17 Avg. SPI based) won by our final year student** – first in final year at GTU in civil engineering branch
- 2. Merit Medal (2016-17) awarded** by Institution of Engineers (India) Gujarat State Centre to our student for securing first rank in GTU
- 3. Experienced faculty:** Faculty members have 10+ years of average teaching experience and also have field experience.
- 4. More than 50 research papers** in National and International Journals have been published by faculty members.
- 5. More than 15 research papers** in International and National Journals have been published by our under-graduate students under the guidance of faculty members.
- 6. Best Research Paper Award** by Institution of Engineers, India, won by our faculty member.
- 7. Research Projects:** Research project on “Development of Green Building Rating Tool for Gujarat” is completed by faculty member from the research grant of GUJCOST, Gandhinagar.

HEALTHY PRACTICES OF THE DEPARTMENT

- 1. Communication Skills and Personality Development Activities (CSPD):** Department organizes various technical events, seminars, group discussions, mock interview, public

speaking, report writing and video lectures to improve soft skills of the students.

- 2. Faculty Guided Industrial Exposure Program (GIEP):** It is carried out during vacation to enhance vocational skills in addition to regular educational visits to various project sites.
- 3. Industrial visits:** Visits to dam, port, airport, water treatment plants, canals, construction projects, road projects, railway training centers, RMC plants and material manufacturing plants are arranged on regular basis as per the need of the curriculum. Students are trained to write visit reports after the completion of visits.
- 4. Expert lectures:** Experts from various Institutes, Industries and Organizations are invited to deliver lectures to the students.
- 5. Internships:** Outcome-based internship program and projects are arranged as per the need of 3rd year and final year students.
- 6. Parents'/Student's interactions:** Parents are regularly informed about the progress of their ward. Each student is assigned a faculty advisor to monitor his/ her progress and regular meeting with students are held and rigorous counseling of them is done by the faculty advisor.
- 7. Software training:** Training of latest software of Structural design (STAAD Pro), AUTOCAD is done on regular basis.
- 8. Special coaching to weak students:** Department arranges extra lectures for weak students as per the needs.
- 9. Poster Competition:** Students are given the theme to prepare a poster on various technical aspects & rewarded in the form of certificates.