

About SET

GTU-School of Engineering and Technology (SET) is GTU managed Engineering department and is running two year four AICTE approved Post Graduate programs and four year two Undergraduate Programs:

- PG - Cyber Security
- PG - Artificial Intelligence and Data Science
- PG - VLSI Design
- PG - Civil (Structural Engineering)
- B.E Computer Engineering
- B.E. Electronics & Communications

In addition, SET is also running a Post Graduate Diploma in Data Science (GTU approved) program.

Vision:

To create an ecosystem in education and research that provides socially responsible, globally acceptable technocrats, innovators and entrepreneurs.

Mission:

- To develop state-of-art research facilities with well-equipped academic infrastructure.
- To establish strong collaborations with research organizations, Institute of national importance and Industries that promote research and consultancies.
- To encourage innovative practices to produce Innovators and entrepreneurs.
- To leverage International linkages of the University to establish strong International outreach.

About Civil (Structural Engineering) Dept.

Lab Facilities: SET has following well equipped, state of the art modern lab facilities for skill development:

- Well configured computer laboratory with state-of-art analysis and design software, such as STADD.Pro, MIDAS, E-TABS, SAP-2000, MATLAB, etc.

About the GTU

Gujarat Technological University (GTU) is a premier academic and research institution, established by the Government of Gujarat vide Gujarat Act No. 20 of 2007. GTU is a State University with 486 affiliated colleges in its fold operating across the state of Gujarat through its FIVE zones at Ahmedabad, Gandhinagar, Vallabh Vidyanagar, Rajkot and Surat. The University caters to the fields of Engineering, Architecture, Management and Pharmacy.

Vision:

To be a global university for the creation and dissemination of knowledge and Innovation in Science & Technology, Humanities and Multidisciplinary domains for sustainable development and enrichment of human life.

Mission:

- To develop centre of academic excellence at university premises and at affiliated colleges in domains of science, engineering, technology, management, and environment for imparting comprehensive education, training, and re-search infrastructure as per the nation's requirement.
- To build resources, facilities, proficiencies and other related infrastructure of global standard for the development of knowledge, skills, and competencies in the various educational domains.
- To develop research-oriented pedagogy for flourishing ideas and to nurture innovators, entrepreneurs and professionals of tomorrow.
- To build and enhance collaborations with other academic, research, industry, and government organizations as well as NGOs across the globe so that education, training and research at university and its affiliated colleges become aligned with national and global level requirements.
- To encourage multidisciplinary research and develop flexible learning ecosystem.



Gujarat Technological University

(Established by Government of Gujarat Under Gujarat Act No. 20 of 2007)

School of Engineering and Technology

Organizes

AICTE Training and Learning Academy Faculty Development Program (ATAL - FDP)

on

Emerging AI Technologies for Civil Engineering Professionals

(From 12th Oct., 2026 to 17th Oct., 2026)

Time: 10.00 AM to 06.00 PM

GUJARAT TECHNOLOGICAL UNIVERSITY

Chandkheda Campus, Nr. Vishwakarma

Government Engineering College,

Visat - Gandhinagar Highway, Chandkheda,

Ahmedabad - 382424, Gujarat.

www.gtu.ac.in

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About ATAL FDP

Artificial Intelligence (AI) is rapidly transforming Civil Engineering by introducing intelligent, data-driven, and automated approaches to planning, design, construction, monitoring, and infrastructure management. Emerging technologies such as **Machine Learning, Generative AI, Computer Vision, Digital Twins, BIM, and IoT** are creating new opportunities to improve efficiency, accuracy, sustainability, and decision-making in Civil Engineering.

The ATAL FDP on “**Emerging AI Technologies for Civil Engineering Professionals**” aims to provide participants with an understanding of recent AI developments and their practical applications across various domains of Civil Engineering. The Programme will help bridge the gap between conventional engineering practices and emerging AI-based technologies through expert lectures, hands-on sessions, practical demonstrations, and case studies.

Participants will explore how AI can be effectively integrated into **teaching, research, consultancy, and professional Civil Engineering practice**, while also understanding its capabilities, limitations, and responsible use.

FDP may cover the following topics:

- Fundamentals of AI, Machine Learning and Generative AI for Civil Engineers
- AI Applications in Structural and Geotechnical Engineering
- AI in Transportation, Construction and Infrastructure Management
- Computer Vision, BIM, Digital Twins and IoT for Smart Infrastructure
- AI Applications in Environmental and Water Resources Engineering
- AI Tools for Civil Engineering Research, Data Analysis and Technical Applications
- Case Studies and Recent Advances in AI-Driven Civil Engineering

Important Dates

Last Date of Registration:	08 th Oct.2026
Notification of Acceptance:	10 th Oct.2026
Inauguration:	12 th Oct.2026
Culmination:	17 th Oct.2026

Registration and Guidelines

Registration Fee

- There is no registration fee.

Registration Procedure

- All participants are requested to register using the link of AICTE ATAL prortal: <https://atalacademy.aicte-india.org/>
- Find this FDP under Workshops. The following filetrs may be applied:
- Select State > *Gujarat*
- Select Month > *October*
- Select Thrust Area > *Engineering*
- For more information, kindly visit:

<https://atalacademy.aicte-india.org>

FAQs

- Only 50 limited Seats available and confirmation will be done on first-cum-first serve basis .

Who can attend?

Faculty members of Degree/Diploma level engineering colleges/universities recognized by AICTE/UGC from the discipline of Civil Engineering, PG and PhD Research Scholars and Industry professional.

Management Committee

Chief Patron

Prof. (Dr) Vaibhav Bhatt

Hon'ble Vice Chancellor (I/C)
Gujarat Technological University

Patron

Dr K. N. Kher

Registrar
Gujarat Technological University

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