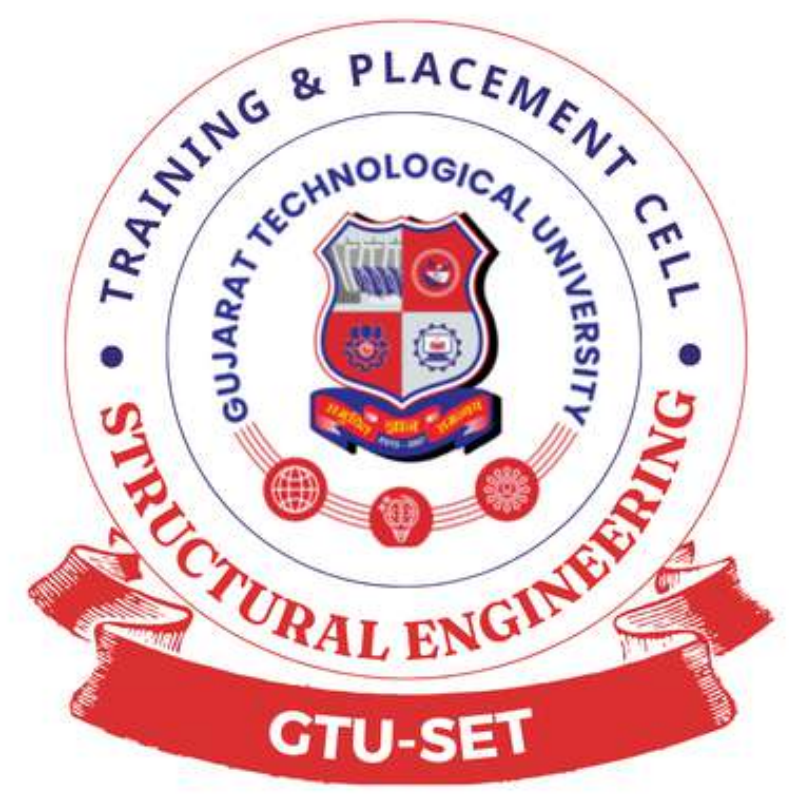




# Gujarat Technological University School of Engineering & Technology

## Empowering Structural Engineers of Tomorrow

Academic Year  
2024-2026

 [+91 70161 43139](tel:+917016143139)  
 [set.gtu.ac.in](http://set.gtu.ac.in)  
 [gset\\_structural\\_placement@gtu.edu.in](mailto:gset_structural_placement@gtu.edu.in)  
 GTU-Chandkheda Campus, Ahmedabad



# About GTU.



## Introduction

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**Gujarat Technological University (GTU)**, established by the Government of Gujarat under Gujarat Act No. 20 of 2007, stands as a distinguished academic and research institution dedicated to fostering innovation and intellectual growth. Since its inception, GTU has become a hub for academic excellence, offering a wide array of programs in engineering, management, pharmacy, architecture, and more. With a vision to shape future leaders and innovators, GTU has embraced a holistic approach to education, blending theoretical knowledge with practical experience through state-of-the-art infrastructure, modern laboratories, and industry collaborations.

As a leading institution, GTU serves as a platform where inspired scholars, researchers, and professionals come together to push the boundaries of knowledge and innovation. The university's commitment to fostering an environment of intellectual exploration has made it a destination for those seeking to challenge conventional thinking and contribute to the evolving needs of society. Through its dynamic curriculum and focus on real-world applications, GTU continues to empower students to make a lasting impact on the global stage.

# HOD's Message.

✦ **Dr. JIGNESH A. AMIN**  
PROFESSOR & HEAD



At the GTU - School of Engineering and Technology, our vision is to build an academic ecosystem that unites innovation, research, and social responsibility. We strive to empower young engineers with the competence to think analytically, design creatively, and contribute meaningfully to the nation's development. Engineering today demands not only technical precision but also a mindset that values sustainability, ethics, and adaptability. At GTU-SET, these ideals form the foundation of every classroom, laboratory, and project undertaken.

The Structural Engineering program has been designed to align with global standards while staying rooted in the needs of India's fast-growing infrastructure sector. Through a blend of rigorous coursework, advanced laboratories, and immersive site experiences, students gain the ability to convert ideas into resilient, efficient, and sustainable designs. Exposure to software such as STAAD Pro, ETABS, SAP2000, and AUTOCAD ensures that our graduates remain industry-ready from the first day of their professional careers.

Our faculty comprises academicians and practitioners who serve as mentors and collaborators—guiding students through research, innovation, and real-world challenges. We emphasize hands-on learning, interdisciplinary collaboration, and a deep respect for engineering integrity. The outcome is not just employable engineers but professionals capable of leading transformation across sectors.

As you explore this brochure, you will see the outcomes of dedication—students who combine knowledge with character, institutions that value partnership, and an environment that continually evolves to meet tomorrow's challenges. Together, let us continue to drive engineering excellence and inspire positive change in society.

# About GTU-SET.

## Why Choose GTU-SET?

Gujarat Technological University's **School of Engineering and Technology (GTU-SET)** offers a dynamic and **future-ready learning environment**. GTU-SET is committed to providing students with **cutting-edge knowledge, industry-relevant skills, and a research-driven curriculum**. With state-of-the-art infrastructure, experienced faculty, and **strong industry partnerships**, SET ensures that students are well-prepared for **real-world challenges**.

GTU-SET boasts **state-of-the-art laboratories, advanced research centres**, and a faculty comprising **industry veterans and esteemed academicians**. The campus is equipped with **modern amenities**, including **high-tech classrooms, collaborative spaces**, and an **extensive digital library**. Our strong ties with **top companies facilitate internships, live projects, and placements**, helping students build successful careers. Whether you're aspiring to excel in Structural Engineering, Computer Science, Electronics, or any other field, GTU-SET offers a **dynamic and supportive environment** where students can thrive, innovate, and lead.



**EMPOWERING THE INNOVATORS OF TOMORROW THROUGH KNOWLEDGE, RESEARCH, AND HANDS-ON EXPERIENCE —AT GTU-SET, WE DON'T JUST EDUCATE; WE INSPIRE.**



# About GTU-SET.

## Key Features that Set GTU-SET Apart



### 1. Cutting-Edge Research and Innovation Centers

Our Advanced Research Centers provide students with access to modern facilities, enabling them to engage in pioneering research across various engineering disciplines.



### 2. High-Tech Laboratories for Practical Learning

With High-Performance Labs equipped with the latest technology, students gain hands-on experience in a range of real-world applications and problem-solving scenarios.



### 3. Specialized Courses in Software Development

In addition to traditional engineering programs, we offer Software Development Courses that prepare students for the evolving demands of the tech industry.



### 4. Personalized Student-Mentor Program

Each student is paired with an experienced mentor through our Student-Mentor Allocation system, providing personalized academic and career support throughout their time at SET.

# Guiding Minds.

## Our Faculty



**DR. JIGNESH A AMIN**

**PROFESSOR & HEAD**

Ph.D. (IIT Roorkee)

M.E. (M.S. University)

Teaching/Research/Industry Experience - 27+



**MR. MRIDUL S. SETH**

**ASSISTANT PROFESSOR**

Ph.D. Pursuing (GTU)

M.E. (LDCE)

Teaching/Research/Industry Experience - 4+



**DR. KAUSHIK M. GONDALIYA**

**ASSISTANT PROFESSOR**

Ph.D. (S. V. NIT, Surat)

M.E. (SVIT, Vasad)

Teaching/Research/Industry Experience - 5+



**MR. RASIKKUMAR V. MAKWANA**

**ASSISTANT PROFESSOR**

Ph.D. Pursuing (GTU)

M.E. (LDCE)

B.E. (LDCE)

Teaching/Research/Industry Experience - 5+

# Program Spotlight:

## M.E. in Civil (Structural) Engineering

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The **M.E. in Civil (Structural) Engineering** at GTU provides specialised training to future structural engineers, focusing on the **design, analysis, and construction** of infrastructures that meet the demands of modern society. The program covers:

### Core Areas of Study:

The program includes structural analysis, seismic design, sustainable construction practices, advanced materials, and project management.

### Tools and Technologies:

Students master design software like STAAD Pro, SAP2000, ETABS, AutoCAD, and Revit for real-world structural solutions.

### Practical Experience:

Hands-on experience is gained through internships with industry leaders, field trips to construction sites, and capstone projects that challenge students' engineering creativity.

### Global Perspectives:

Participation in international workshops and seminars allows students to gain insights into global engineering challenges and emerging technologies.

### Collaborative Learning:

Students work in cross-functional teams to solve real-world problems, gaining experience in collaboration, communication, and leadership within the engineering field.

### Career Outcomes:

Graduates of the Structural Engineering program are in high demand, securing roles in top companies such as L&T, Shapoorji Pallonji, Tata Projects, and more.

### Mentorship from Industry Veterans:

Each student is paired with an industry mentor to help guide their academic and professional journey, ensuring they are ready for real-world challenges.

# Course Curriculum.

## Program Structure: Master of Structural Engineering

### First Year

#### Semester-1<sup>st</sup>

| Code       | Subject Name                                      |
|------------|---------------------------------------------------|
| ME01000011 | Research Methodology and IPR                      |
| ME01000021 | Technical Report Writing                          |
| ME01000041 | Advanced Analysis of Structures                   |
| ME01000051 | Advanced Design of Reinforced Concrete Structures |
| ME01000061 | Advanced Solid Mechanics                          |
| ME01000071 | Structural Optimization                           |
| ME01000081 | Numerical methods in Structural Engineering       |
| ME01000091 | Advanced Design of Foundations Systems            |
| ME01000101 | Repairs and Retrofitting of Structures            |
| ME01000111 | Advanced Concrete Technology                      |

# Course Curriculum.

## Program Structure: Master of Structural Engineering

### First Year

### Semester-2<sup>nd</sup>

| Code       | Subject Name                              |
|------------|-------------------------------------------|
| ME02000011 | Disaster Management                       |
| ME02000141 | Mini Project with Seminar                 |
| ME02000191 | Advanced Design of Steel Structures       |
| ME02000201 | Structural Dynamics                       |
| ME02000211 | Design of High-Rise Building Structures   |
| ME02000221 | Design of Masonry Structures              |
| ME02000231 | Structural Design of Hydraulic Structures |
| ME02000241 | Structural Health Monitoring              |
| ME02000251 | Analysis and Design of Bridges            |
| ME02000261 | Theory of Thin plates and Shells          |
| ME02000271 | Design of Prestressed Concrete structures |
| ME02000281 | Earthquake Resistant Design of Structures |
| ME02000291 | Soil-Structure Interaction                |

# Course Curriculum.

## Program Structure: Master of Structural Engineering

### Second Year

#### Semester-3<sup>rd</sup>

| Code       | Subject Name                                             |
|------------|----------------------------------------------------------|
| ME03000011 | Internal Review Phase-I                                  |
| ME03000021 | Dissertation Phase-I                                     |
| ME03000181 | Groundwater Engineering                                  |
| ME03000191 | Sustainable Engineering Concepts and Life Cycle Analysis |
| ME03000201 | Municipal Solid Waste Management                         |
| ME03000211 | Construction Failures                                    |
| ME02000281 | Earthquake Resistant Design of Foundations               |

### Second Year

#### Semester-4<sup>th</sup>

| Code       | Subject Name             |
|------------|--------------------------|
| ME04000011 | Internal Review Phase-II |
| ME04000021 | Dissertation Phase-II    |

# Course Curriculum.

## Program Structure: Master of Structural Engineering

### Second Year



### Seminars

Students participate in a series of expert-led seminars that delve into cutting-edge topics in Structural Engineering, including the latest innovations, challenges, and future trends in the industry. These seminars provide exposure to real-world applications and allow students to interact with industry leaders and professionals.

### Dissertation/Thesis

The second year focuses on independent research and project-based learning. Students are encouraged to work on their dissertation, which involves solving complex structural problems, often in collaboration with industry partners. This hands-on experience equips them with the skills required to tackle real-world structural challenges.

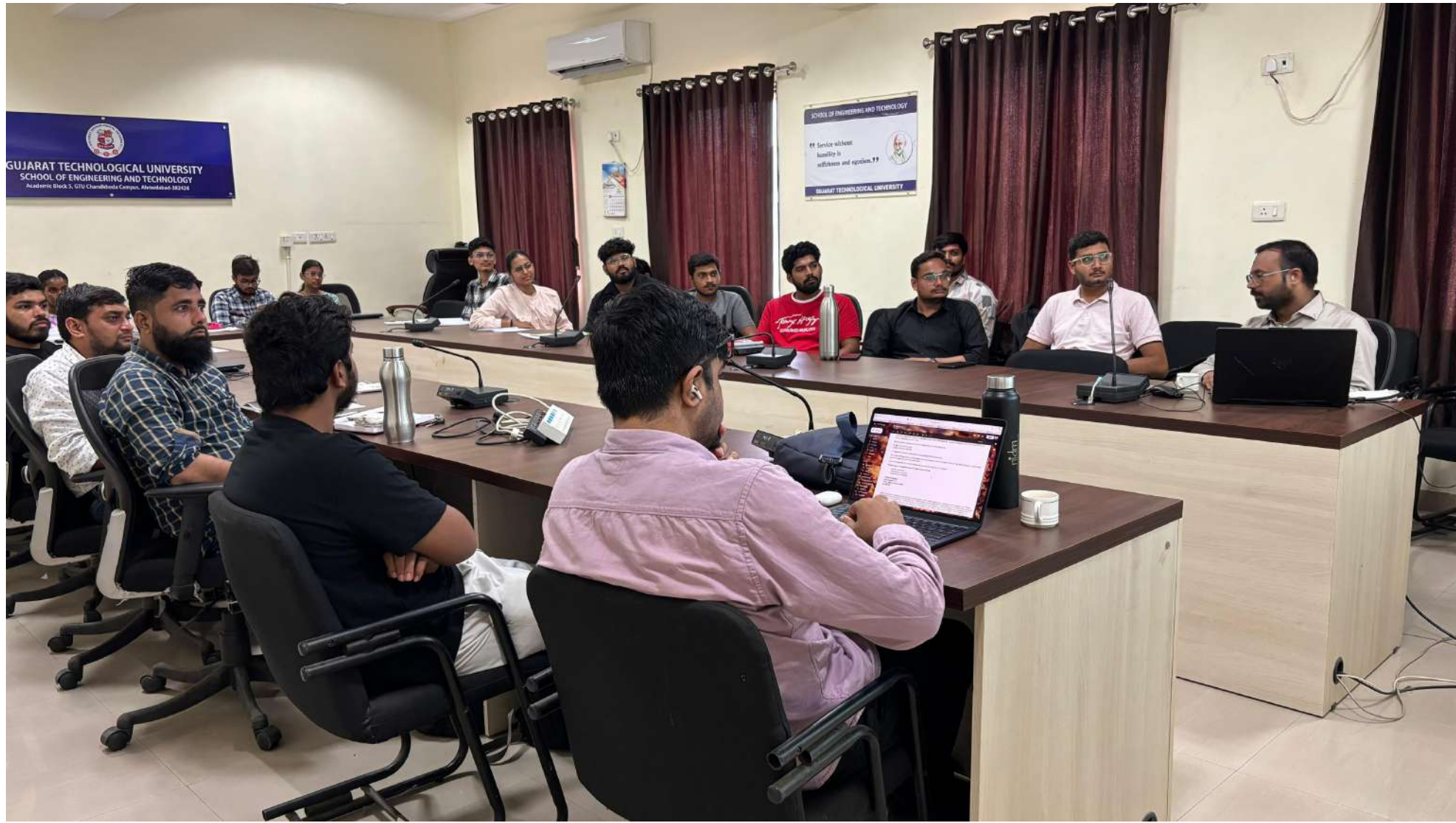
### Work Flow



# Course Curriculum.

## Extra Curriculum

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### Expert Session

Engaging with industry leaders through expert talks and guest lectures, where students gain insights into the latest trends, technologies, and real-world applications in structural engineering. These sessions enhance professional knowledge and networking opportunities.



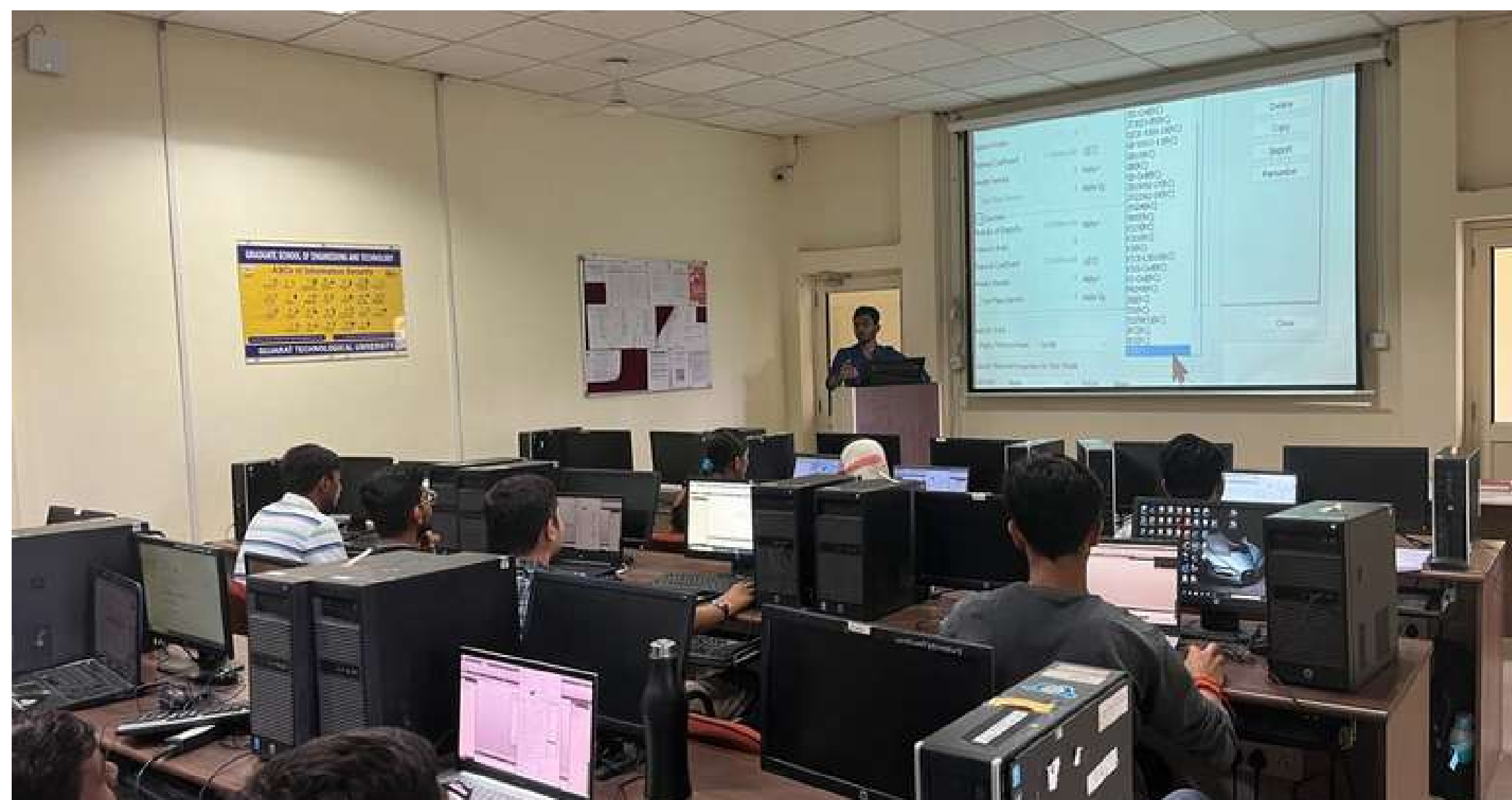
### Site Visit

Gain real-world exposure through visits to ongoing construction projects, observing structural techniques, material use, and safety practices.



### Sports

Promote physical fitness and teamwork through various sports events, fostering camaraderie and stress relief among students.



### Software Harmony

Mastering cutting-edge tools such as AutoCAD, STAAD Pro, MIDAS Civil and ETABS through workshops and collaborative projects, ensuring students are proficient in industry-standard software. This hands-on experience bridges the gap between theory and practice.

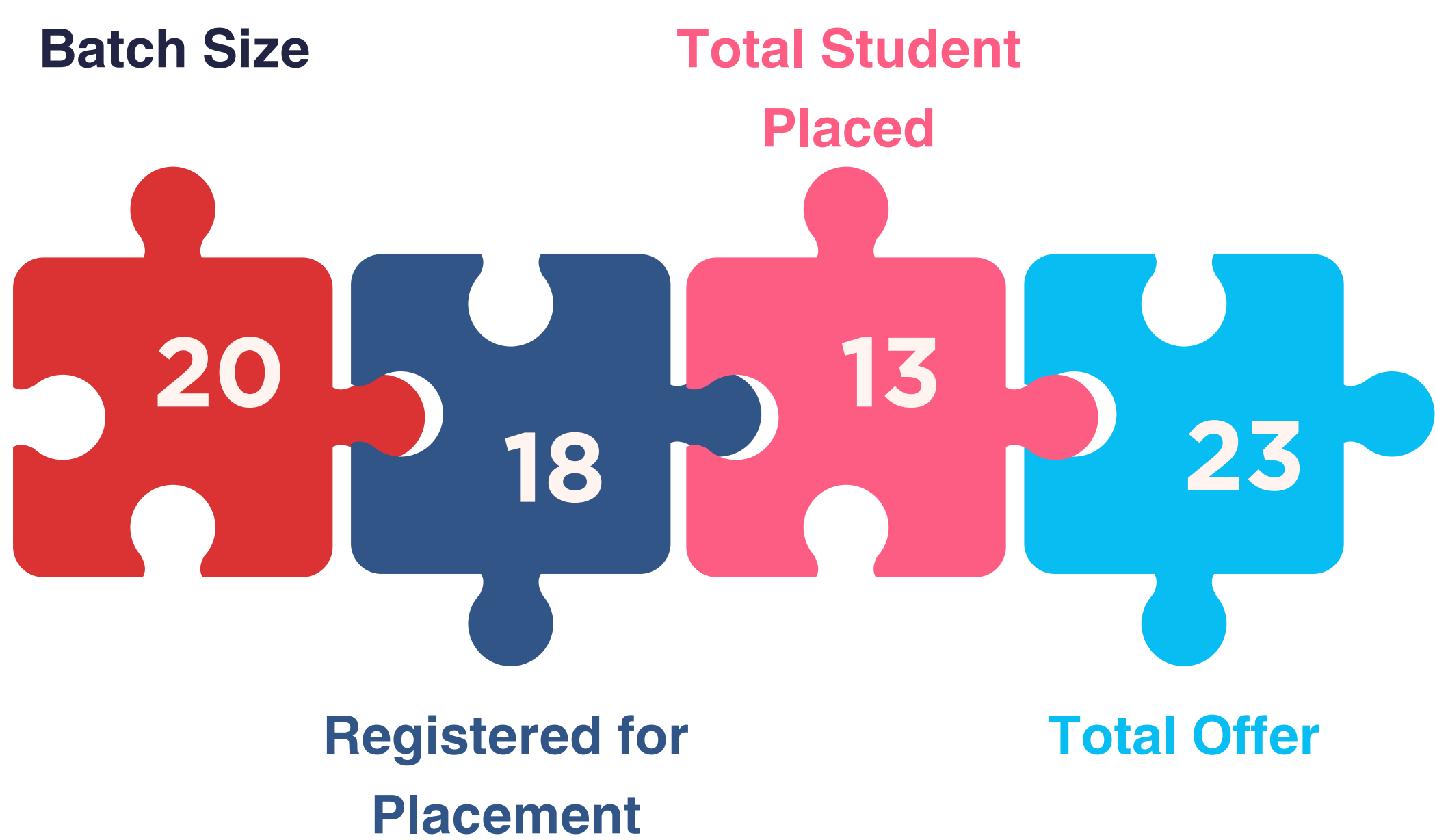
# Placement Statistics.

## Our Batch 2024-2026

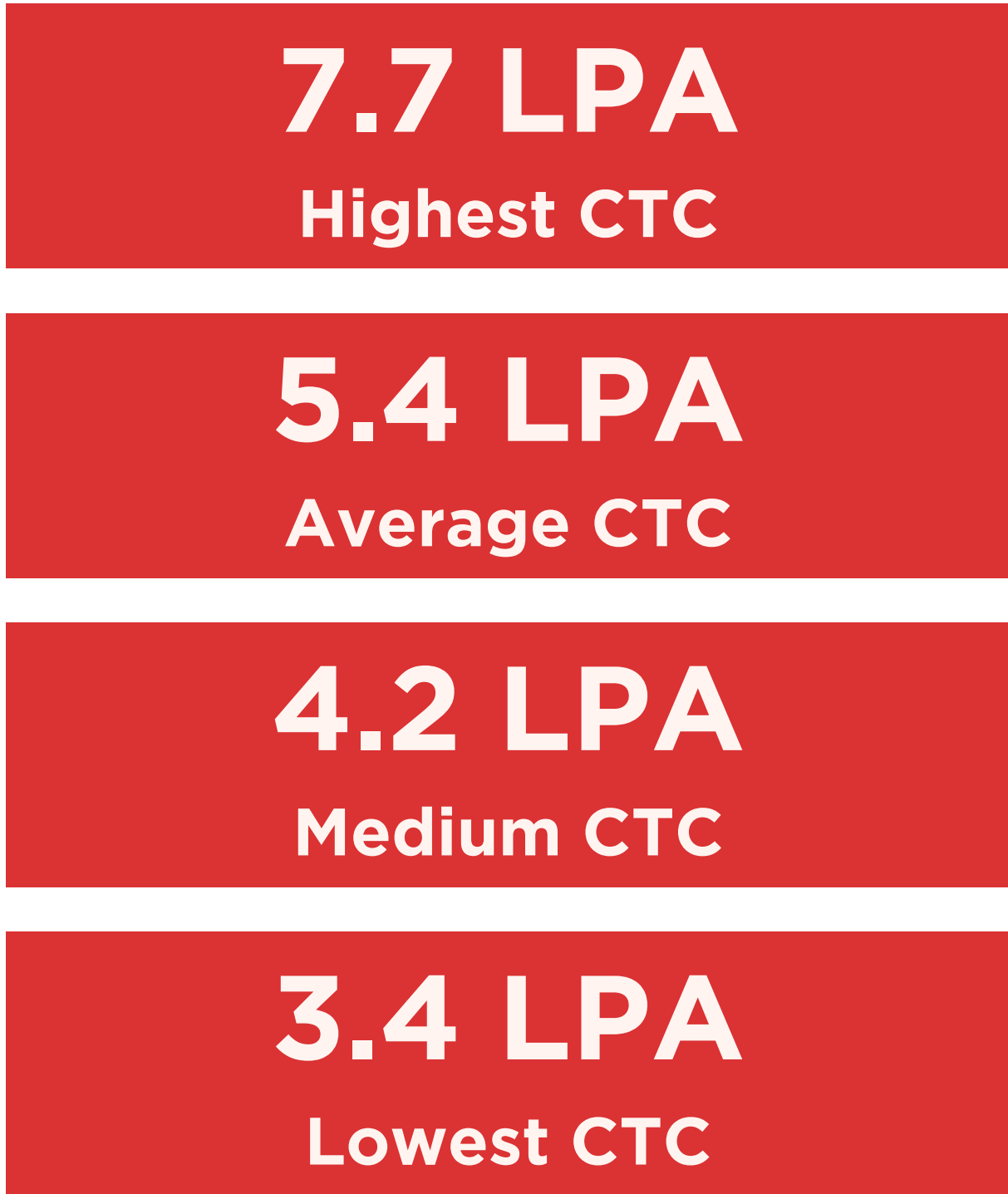
The placement season for the 2023-2025 batch at Gujarat Technological University - School of Engineering and Technology (GTU-SET) has been highly successful. With top companies from the Structural Engineering sector participating, the batch has secured impressive placements across diverse roles.



### Market Volatility



### Market Volatility



# Research Areas.

1

## Emerging Machine Learning in Structural Engineering

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Leveraging AI for optimizing structural design, performance prediction, and decision-making.

2

## FEM (Finite Element Method)

---

Advanced computational modeling for analyzing complex structures under various load conditions.

3

## Probabilistic Analysis and Reliability-Based Design

---

Designing structures with reliability assessments based on probabilistic failure analysis.

4

## Uncertainty Quantification

---

Quantifying and managing uncertainties in structural design and performance predictions.

5

## Seismic Risk, Vulnerability, and Fragility Modelling

---

Assessing structural resilience to earthquakes through risk and vulnerability modeling.

# Software Expertise.



ETABS



SAP2000



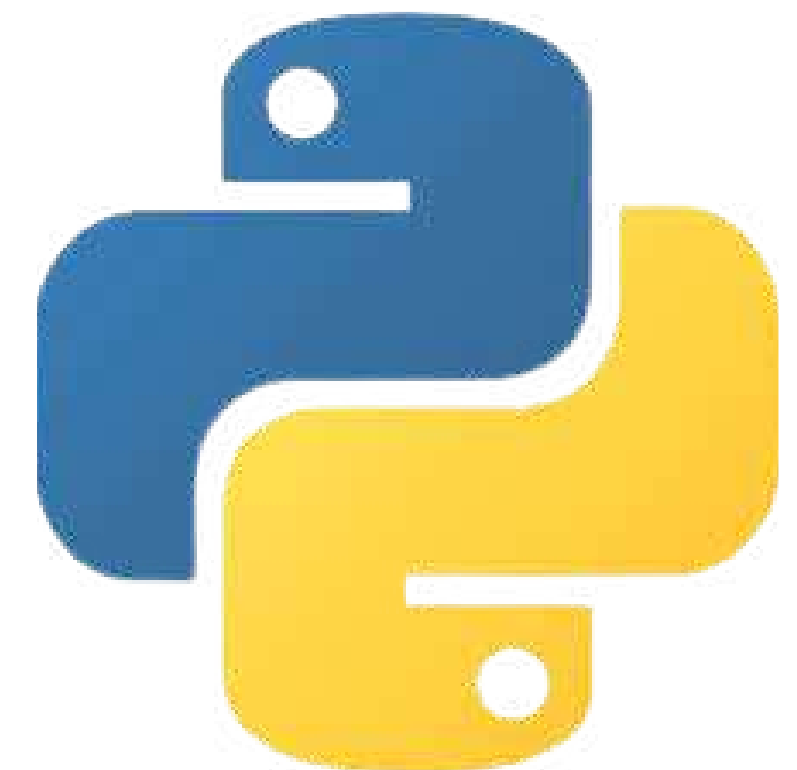
STAAD Pro



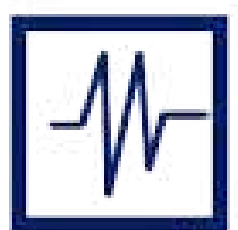
RCDC



AutoCAD



PYTHON



SEiSMOSOFT  
EARTHQUAKE ENGINEERING SOFTWARE SOLUTIONS

SEiSMOSOFT



SAFE



MIDAS CIVIL



MIDAS GEN



# Recruitment **Process**

Connecting leading companies with future engineers

---

## Invitation

**1** Companies are invited to participate in the campus recruitment drive, with details about the roles and opportunities shared with the students.



## Confirmation

**2** Once a company confirms its participation, the Training and Placement Cell coordinates with them to finalize the recruitment process and requirements.



## Scheduling

**3** A recruitment schedule is arranged, including dates for pre-placement talks, interviews, and other selection activities based on mutual availability.



## Shortlisting

**4** Students apply for the roles, and companies review the applications to shortlist candidates based on academic performance, skills, and project work.



## Results

**5** After completing the interviews and selection process, the final results are announced, and offer letters are issued to the selected candidates.



# Meet Our Students.



[sahilbaraiya33@gmail.com](mailto:sahilbaraiya33@gmail.com)



## BARAIYA SAHIL VASUDEV BHAIR

**Software Skills:** Etabs, Autocad, Revit, Sketchup, enscap, Lumion, D5rendering

**Internship/Project:** brijbhushan acharya consultancy

**BE Education :** shantilal shah engineering bhavangar



[+91 8200466537](tel:+918200466537)



[manishbhanderi980@gmail.com](mailto:manishbhanderi980@gmail.com)



## BHANDERI MANISH GOPAL

**Software Skills:** Etabs, Autocad, Sap 2000, Microsoft Office, Sketchup

**Internship/Project:** Krishna Construction, Bhuj

**BE Education :** Government Engineering college, Bhuj



[+91 8160879561](tel:+918160879561)



[pinkeshbhatt4567@gmail.com](mailto:pinkeshbhatt4567@gmail.com)



## PINKESHKUMAR PRAGNESH BHAIR BHATT

**Software Skills:** Revit, autocad, Etabs, sap2000, Staad pro, blue bim, recap, bim360

**Internship/Project:** Varmine Contech pvt ltd, Ahmedabad

**BE Education :** Sal Institute of Technology and Engineering Research



[+91 9726996856](tel:+919726996856)



[goyanijay3344@gmail.com](mailto:goyanijay3344@gmail.com)



## GOYANI JAY HARESH BHAIR

**Software Skills:** Etabs, AutoCAD, Gstar CAD, Sap 2000, Microsoft office

**Internship/Project:** Hardik Radadiya Consultancy Surat

**BE Education :** Govenment Engineering College, Bhavnagar



[+91 8160404832](tel:+918160404832)



# Meet Our Students.



[sagarkishan7151@gmail.com](mailto:sagarkishan7151@gmail.com)



## SAGAR KISHANKUMAR VINUBHAI.

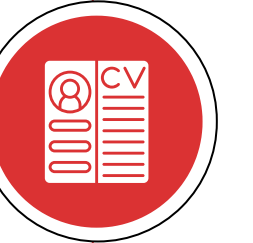
**Software Skills:** AutoCAD, Etabs, Sap2000, MS office

**Internship/Project:** N Design Himmatnagar

**BE Education :** Vishwakarma Government Engineering College, Chandkheda



[+91 9510911835](tel:+919510911835)



[shivammakhanhar@gmail.com](mailto:shivammakhanhar@gmail.com)



## MAKHANHAR SHIVAM GIRISHBHAI

**Software Skills:** Etabs, SAP2000, AutoCAD, Revit, MS Office

**Internship/Project:** HMT CONSTRUCTION, Ahmedabad

**BE Education :** SAL Institute of Technology & Engineering Research, Ahmedabad



[+91 9173458691](tel:+919173458691)



[mandanijay223@gmail.com](mailto:mandanijay223@gmail.com)



## MANDANI JAY BHIKHUBHAI

**Software Skills:** Autocad, Etabs, sap2000, Ms office, SketchUp, Revit

**Internship/Project:** NILKANTH INFRA , Ahmedabad

**BE Education :** Shree Swami Atmanand Saraswati Institute of Technology



[+91 6353227341](tel:+916353227341)



[vijaykparmar070@gmail.com](mailto:vijaykparmar070@gmail.com)



## PARMAR VIJAYBHAI KANTIBHAI

**Software Skills:** AutoCAD, ETABS, SAP2000, staad pro, MS Office

**Internship/Project:** Inertia Infracon - Gandhinagar

**BE Education :** Birla Vishvakarma mahavidhyalaya- v.v.nagar



[+91 7202036650](tel:+917202036650)



# Meet Our Students.



[parthgediya7622@gmail.com](mailto:parthgediya7622@gmail.com)



## Gediya Parth Hiteshbhai

**Software Skills:** ETABS, SAP2000, StaadPro, AutoCAD, Revit

**Internship/Project:**

**BE Education :** LJ Institute of Engineering and Technology (LJIET)



[+91 7622848317](tel:+917622848317)



[7211deeppatel@gmail.com](mailto:7211deeppatel@gmail.com)



## PATEL DEEP DAHYALAL

**Software Skills:** SAP2000, ETABS, STAAD PRO, AutoCAD, Gstar CAD, MS Office

**Internship/Project:** Shah & Sanghvi Associates, Gandhinagar

**BE Education :** Government Engineering College , Modasa



[+91 9409028969](tel:+919409028969)



[dishant1611@gmail.com](mailto:dishant1611@gmail.com)



## PATEL DISHANT DEVENBHAI

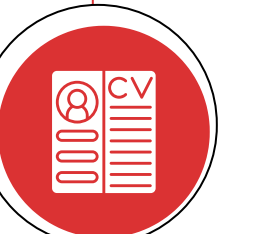
**Software Skills:** Etabs, AutoCAD, MS Office

**Internship/Project:** Vijay V. Gami HUF , Ahmedabad

**BE Education :** LJ Institute of Engineering and Technology



[+91 7600706877](tel:+917600706877)



[varshapaward88@gmail.com](mailto:varshapaward88@gmail.com)



## VARSHA DILIP PAWAR

**Software Skills:** ETABS, AutoCAD, Revit, Stad Pro

**Internship/Project:** Vertical Sewage Treatment Plant Project

**BE Education :** SNJB's COE Chandwad, Nashik



[+91 9860003712](tel:+919860003712)



# Meet Our Students.



[jilprajapati@gmail.com](mailto:jilprajapati@gmail.com)



## PRAJAPATI JILKUMAR DHARMENDRAKUMAR

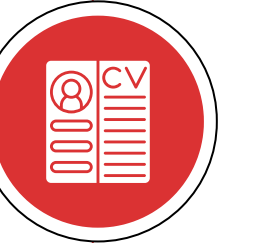
**Software Skills:** Etabs, SAP2000 , AutoCAD, STAAD Pro, Microsoft office

**Internship/Project:** Vagad Infra Pvt. Ltd.

**BE Education :** Government Engineering College , Patan



[+91 8160794599](tel:+918160794599)



[ashishrabadiya5427@gmail.com](mailto:ashishrabadiya5427@gmail.com)



## RABADIYA ASHISH GOVINDBHAI

**Software Skills:** ETABS,SAP2000 AutoCAD, Sketchup,MS Office

**Internship/Project:** Nar Narayan Consultancy,Bhuj

**BE Education :** Darshan Institute of Engineering and Technology,Rajkot



[+91 7433956297](tel:+917433956297)



[jeetrudani333@gmail.com](mailto:jeetrudani333@gmail.com)



## RUDANI JEET

**Software Skills:** AUTOCAD, E- TABS, Sketchup, MS-OFFICE , SAP 2000

**Internship/Project:** V Concrete , Khavda , Kachchh

**BE Education :** HJD Institute of Engineering and Technology



[+91 9978264487](tel:+919978264487)



[sachinkalvani123@gmail.com](mailto:sachinkalvani123@gmail.com)



## SACHIN PRADIPKUMAR KALVANI

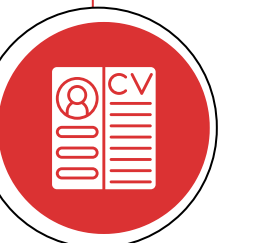
**Software Skills:** SAP2000,ETABS, AUTOCAD ,Revit,V-Ray,Dlubal,MS OFFICE,

**Internship/Project:** Vishwakarma Yojana(VY) (PHASE-VIII), CDM Consultant:- Planning ,Design of Residential Building Near Godhra.

**BE Education :** GOVERNMENT ENGINEERING COLLEGE-MODASA



[+91 6352454306](tel:+916352454306)



# Meet Our Students.



[sanjaysagar1810@gmail.com](mailto:sanjaysagar1810@gmail.com)



## SAGAR SANJAY MAGANBHAI

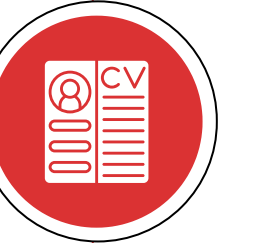
**Software Skills:** SAP2000, ETABS, Revit, AUTOCAD, MICROSOFT OFFICE, Vray

**Internship/Project:** Divya Sagar Design Vadali

**BE Education :** Arrdekta Institute, Khedbramha



[+91 8128384652](tel:+918128384652)



[aamirahshaikh26@gmail.com](mailto:aamirahshaikh26@gmail.com)



## SHAIKH AAMIRAH MOHMADASLAM

**Software Skills:** STAAD PRO, ETABS, MAT3D, FOUNDATION 3D, SKETCHUP, TEKLA, SAP2000, AUTOCAD, MS OFFICE

**Internship/Project:** NEBULA INFRASPACE LLP, VISHWAKARMA YOJANA - PHASE:X, AXEES CONSULTANT : Warehouse Design, Construction Management, Planning and Construction of infrastructure for village – Lakhavad, Piperack Structure

**BE Education :** L. D. COLLEGE OF ENGINEERING



[+91 9104302216](tel:+919104302216)



[shubhanshudadhich@outlook.com](mailto:shubhanshudadhich@outlook.com)



## SUBHANSHU SHARMA

**Software Skills:** ETABS, SAP2000, StaadPro, Tekla, Revit, AutoCAD, Recap

**Internship/Project:** CPWD JODHPUR

**BE Education :** SKIT, Jaipur



[+91 9529166522](tel:+919529166522)



[shivani.pa.prajapati@gmail.com](mailto:shivani.pa.prajapati@gmail.com)



## PRAJAPATI SHIVANI PAVANBHAI

**Software Skills:** ETABS, SAP2000, StaadPro, Tekla, AutoCAD, MS office, MS project

**Internship/Project:** LALJI GROUP

**BE Education :** LJ Institute of Engineering and Technology (LJIET)



[+91 8849563228](tel:+918849563228)

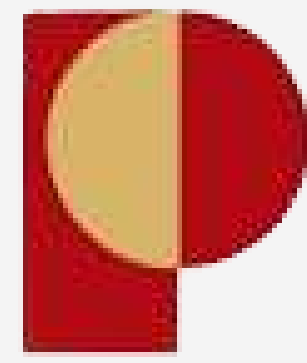


# Our Recruiters

Trusted by Top Companies



PROJMORS

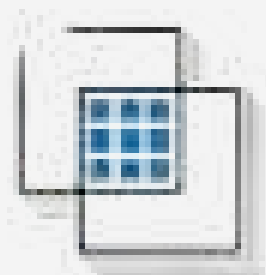


CASMI  
CONSULTANTS

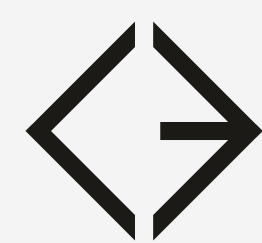
**BETA MARINE**



MARUTI CONSULTANTS  
STRUCTURAL DESIGNER - CIVIL CONSULTING



DUCON  
CONSULTANTS PRIVATE LIMITED



BHOOMI  
— CONSULTANTS —



RKG

MEP Consulting Engineering Services

MIDAS

We Sincerely Appreciate The Efforts Behind Coordinating  
The Entire Recruitment Process.

*Thank You*

FOR YOUR SUPPORT

**DR. KAUSHIK M. GONDALIYA**

TNP CELL CO-ORDINATOR

**DR. JIGNESH A. AMIN**

HEAD OF DEPARTMENT



**GUJARAT TECHNOLOGICAL UNIVERSITY  
SCHOOL OF ENGINEERING AND TECHNOLOGY**



Our Address

**ACADEMIC BLOCK 5, GTU CHANDKHEDA CAMPUS  
NEAR VISAT THREE CROSS ROAD CHANDKHEDA,  
AHMEDABAD GUJARAT-382424**

Visit our Website:

[WWW.SET.GTU.AC.IN](http://WWW.SET.GTU.AC.IN)

Email:

[GSET\\_STRUCTURAL\\_PLACEMENT@GTU.EDU.IN](mailto:GSET_STRUCTURAL_PLACEMENT@GTU.EDU.IN)