

## DEPARTMENT OF MECHANICAL ENGINEERING



### VISION

To impart comprehensive knowledge that enables the students to become innovative and successful entrepreneurs to learn the advanced fields of mechanical engineering that meets the recent industrial demands and social needs.

### MISSION

- To provide quality education to the students which will enhance their skills and ability to create, innovate and design systems based on new technologies for the society.
- To foster logical thinking among the students to design system required for real-life situation.
- To equip the students through the state-of-art learning environment that can provide academic environment of excellence, entrepreneurship and moral guidelines with lifelong learning.

➔ Under Graduate Programme  
 B.Tech. (Mechanical Engineering)

➔ Post Graduate Programme  
 M.Tech. (Industrial Engineering & Management)

➔ Doctorate Programme (Ph.D.)  
 Industrial and Thermal Engineering

### REVOLUTIONIZING MECHANICAL ENGINEERING: FROM THEORY TO INDUSTRY IMPACT

**INDUSTRY 4.0 INTEGRATION:** Implementing advanced automation, IoT, and data exchange in manufacturing processes to create "smart factories" and improve efficiency.

**INDUSTRY 5.0 EVOLUTION:** Emphasizing human-machine collaboration and decentralized decision-making to enhance flexibility and customization in production processes.

**SIX SIGMA METHODOLOGY:** Utilizing data-driven approaches to minimize defects and variations in manufacturing processes, ensuring high quality and consistency.

**AI READINESS:** Equipping mechanical engineers with the skills to integrate artificial intelligence and machine learning techniques into product design, manufacturing, and maintenance processes.

**INDUSTRY READINESS:** Preparing mechanical engineers with practical experience, technical skills, and soft skills necessary to excel in industrial environments, meet industry standards, and drive innovation.

### GOVERNMENT, PRIVATE & PUBLIC SECTOR ARE AVAILABLE FOR EMPLOYMENT



### FRONTIER AREAS

- Additive Manufacturing (AM)
- Bio Mechanical Engineering (BM)
- Computer-aided Manufacturing (CM)
- Digital Manufacturing (DM)
- Electric Vehicle Technology
- Renewable Energy

### LABORATORIES

- Material Testing
- Theory of Machines
- Heat Transfer
- Fluid Mechanics
- Thermal
- Central Workshop
- Automobile
- Basic Mechanical Engineering
- Center of Excellence: Industrial Automation
- CAD
- Quality Control
- Statistical Analysis and OR LAB
- Operation Management



Dr. S.M. Prasanna Kumar  
 Campus Director



Dr. Vishnu Agarwal  
 Head of Department

### CAMPUS FACILITIES

- Auditorium
- Sports & NCC
- ATM
- 24\*7 Cafeteria
- Fitness Centre/GYM
- Medical Facility
- Separate Hostel Facility for Boys & Girls
- Mess with Four Meals per Day
- Wifi Campus
- Transportation Facility

SCAN FOR



VISIT DEPARTMENT



MORE INFORMATION

REAP CODE : 1042

# TRAININGS & WORKSHOPS



Rocket Launching & Space Technology



Visit at Institute of Engineers



GO-Kart Workshop at Nathdwara



AutoCAD SOLIDWORKS Training

# PROJECT & RESEARCH INNOVATIONS



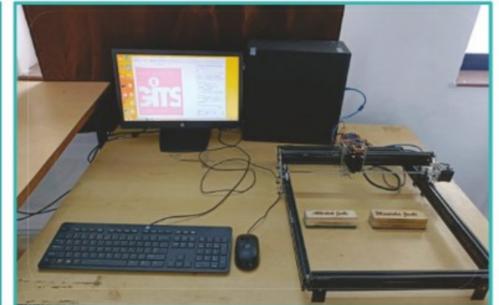
2D CNC Plotter Machine



Smart Mining Helmet



Wi-Fi Controlled Surveillance Robot



CNC Laser Engraver Machine

# INDUSTRY-ACADEMIA COLLABORATIONS



MOU: GH INDIA, GERMANY



MOU: MSME, GOI.



MOU: Fusion Business Solutions



MOU: SECURE METERS LTD.

## PLACEMENT HIGHLIGHTS

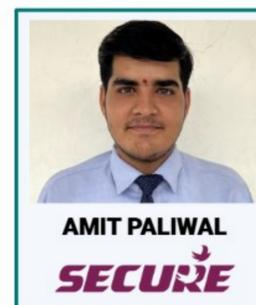
NUMBER OF COMPANIES VISITED FOR CAMPUS RECRUITMENT



## TOP RECRUITERS



## TOP-TIER OFFERING 2024-25



Countless more.....

📍 Campus : NH-76, Airport Road, Dabok, Udaipur-313022 (Rajasthan)

☎ 0294-2657802 ✉ admission@gits.ac.in 🌐 www.gits.ac.in

📘 Facebook: /gitsudr 📷 Instagram: /gitsudr 📺 YouTube: /GITSUdaipur

🌐 LinkedIn: https://www.linkedin.com/school/geetanjali-institute-of-technical-studies-udaipur

COURSES OFFERED

**B.TECH.** Civil • Computer Science • CSE (Artificial Intelligence)  
Electrical • Electronics & Comm. • Mechanical

**M.TECH. | MBA | MCA | Ph.D.**

**DIPLOMA IN ENGINEERING#**

Civil • Electrical • Mechanical • Mining

ADMISSION HELPLINE

911 6039 801

911 6039 802

911 6039 803

#Subject to Approval