

About GPERI

The Department of Technical Education, Government of Gujarat has given the responsibility for managing a Degree Engineering College to Gujarat Technological University (GTU). The institution provides latest facilities like modern technology teaching, well experience staff, laboratory with latest equipment and open source resources in library.

Gujarat Power Engineering and Research Institute (GPERI) which commenced in the year 2011 at village Mewad, dist. Mehsana, Gujarat with the approval of All India Council of Technical Education (AICTE), New Delhi and Managed by Gujarat Technological University (GTU), Ahmedabad. GPERI offers currently four graduate courses (Civil, Computer, Electrical and Mechanical) in engineering and research opportunities to choose from. The institute has intentions to develop state-of-the-art laboratories and infrastructure to cater the needs of high skilled employable engineers to the industry.

Reach Us

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Gujarat Power Engineering and Research Institute

Approved by AICTE



A Constituent College of Gujarat Technological University



ADMISSION OPEN FOR 2021-22



www.gperi.ac.in

www.gtu.ac.in

Vision

Gujarat Power Engineering and Research Institute aims to become a leader among the Technical and Research Institutes of North Gujarat and Western India by providing International level education and research opportunities to meet the local and regional needs of the Industries, Research Organizations and Entrepreneurs. GPERI strives to develop sensitivity towards Community development among its stake holders which would in turn result in the development of the society.

Mission

The main objective of GPERI is to dedicate itself to Teaching, Research and Service. The faculty and research are the intellectual assets of the Institution as they help in cultivating the mind by transmitting the basic ideas & concepts. Service is the Social function of the Institution which enables it to contribute towards the overall development of the Society.



Salient Features

Academic Experts

Expert faculty team comprising of accomplished scientists, researchers, trainers, innovators, and entrepreneurs

Industry Interactions

Seminars, visits, projects and counselling sessions by experts from reputed Industries

GTU Innovation Center

GTU Innovation center provides environment to students for their Innovation

Training & Placement Cell

One of its kind Career Readiness Program designed and delivered by dedicated in-house training experts

Advanced Labs

Laboratories with state-of-the-art equipment, hardware, software and teaching aids

Technology Infrastructure

Education ecosystem adequately supported by integrated technology infrastructure

Students' Clubs

Student-led technical, creative, skill based and innovative clubs

Soft Skills Training

Training for language, communication and character building

CIVIL ENGINEERING

The **Department of Civil Engineering** is a SOUL part of GPERI. The department has developed strong links with the building and construction industry. The department has fulltime dedicated faculty and staff members who are involved in academic activities as well as in research in the areas like Environment Engineering, Geotechnical Engineering, Infrastructure Engineering and Management, Structural Engineering, Transportation Engineering, Water Resources and Hydraulic Engineering etc. Apart from the classrooms the department has state-of-the-art laboratories with all high-end tools and equipment's to facilitate practical experience. The department has collaborations with many industries to provide industrial exposure to the students.



- Fluid Mechanics Lab
- Mechanics of Solid Lab
- Surveying Lab
- Building Construction Lab



- Geotechnical Engineering Lab
- Concrete Technology Lab
- Engineering Geology Lab
- Highway Engineering Lab



- Environmental Engineering Lab
- Earthquake Engineering Lab
- Structure Analysis Lab
- Water Resource Engineering Lab

COMPUTER ENGINEERING

The **Department of Computer Engineering** is the ICT backbone of GPERI. It has well-experienced faculty members and technical staff. It has excellent infrastructure with state of the art equipment's and software tools. It offers opportunity to the students to carry out education in areas like Programming, Algorithm, Artificial Intelligence, Graphics, Networks, and Database Systems etc. The department has modern computer laboratories equipped with highly configured desktop and latest updated licensed software. Department has technical clubs like Open Source Technology, Mobile & Wireless, GIC and Association of Computer Engineering Students (ACES) chapter.



- Computer Center
- Operating System Lab
- Programming Lab
- Database Lab



- Advance Networking Lab
- IOT Lab
- Big data analytics lab
- Java programming lab



- C/C++ programming lab
- Project lab
- Web programming lab
- Python Programming Lab

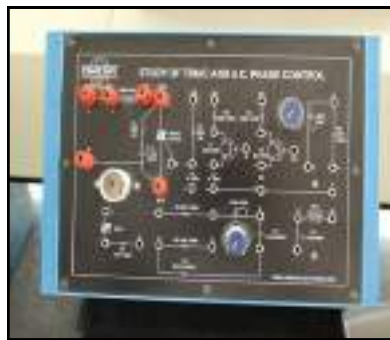
ELECTRICAL ENGINEERING

The **Department** offers undergraduate program in Electrical Engineering. The program is aimed at imparting technical knowledge in the field of Electrical Engineering. The major subjects in Electrical Engineering are Power systems, Electrical Machines and Drives, Control Engineering, Analog and Digital Electronics, Power Electronics, Microprocessors & Microcontrollers. The faculty members are experienced, well qualified and dynamic having wide range of experience in Teaching and Industry. The Laboratories are well equipped and having State of art facilities catering to the requirements of practical approach in the courses and is planned to provide testing and consultancy services to the industries. .



- Electrical & Electronic Measurement Lab
- Electrical Machines Lab
- Circuit and Network Lab
- Elements of Electrical Engineering Lab

- Power Electronics Lab
- Microprocessor & Micro controller Lab
- Commissioning of Electrical Lab
- Simulation & Computation Lab



- Analog Electronics Lab
- Digital Electronics Lab
- Basic Electronics Lab
- Industrial Instrumentation Lab



MECHANICAL ENGINEERING

The **Department of Mechanical Engineering** is the REFLEX of GPERI. The Department strengthens with well experienced faculty members and lab assistants involved in teaching and research. The department offers opportunities to its student to carry out education in following areas: Thermal and Fluids Engineering, Design, Manufacturing, Industrial Engineering etc. Apart from the classrooms the department has state-of-the-art laboratories with all high-end tools and equipment's to facilitate practical experience.



- Elements of Mechanical Engineering Lab
- Fluid Mechanics Lab
- Fluid Power Engineering Lab
- Internal combustion Engine Lab
- World class workshop

- Internal combustion Engine Lab
- Material Science and Metallurgy Lab
- Mechanical Measurement and Metrology Lab
- Manufacturing Process I Lab



- Dynamics Of Machine Lab
- Theory of Machine Lab
- Production Technology Lab
- Refrigeration and Air-conditioning Lab
- Solar & renewable energy
- Computer Aided design

SIEMENS CENTER OF EXCELLENCE

Industries Commissioner ate, Government of Gujarat; Siemens Industries Software (India) Pvt. Ltd.; DesignTech Systems Ltd., India; and Gujarat Power Engineering and Research Institute (GPRI), Mehsana have jointly established "Centre of Excellence (CoE) in Industrial Automation" for skill up gradation of Engineering students and professionals of this regime. The major objectives are: to develop latest and open technology laboratories, to promote research and innovation for practicing industries, to promote industry-academia interfacing. SIEMENS has established 9 laboratories which are fully equipped with high tech machinery and tools and Licensed Software like NX Academic, CAD, CAM, Technomatix, Rob Cad etc... The Centre also offers around 60 short-term courses and training modules on Product Design, Validation, Electrical M/C and Automation etc.



LABORATORIES

- PRODUCT DESIGN & VALIDATION LABORATORY
- ADVANCE MANUFACTURING LABORATORY
- CNC PROGRAMMING/ MCMT LABORATORY
- COMPUTER INTEGRATED MANUFACTURING LABORATORY
- RAPID PROTOTYPING LABORATORY
- AUTOMATION LABORATORY
- ELECTRICAL LABORATORY
- MECHATRONICS LABORATORY
- PROCESS INSTRUMENTATION LABORATORY

INFRASTRUCTURE AND FACILITIES

State-of-the-Art Classrooms and Seminar Hall

The Institute provides adequate number of classrooms which are well-equipped with modern design standards and latest teaching methodology like LCD and audio-visual equipment to impart the best theoretical practices. The seminar hall has seating capacity of over 400 to conduct seminar and training.



Computer Center

The institute has facility of Computer Center, a well-equipped computer lab with more than 60 computers. The workstations are connected with high speed internet to enable students to carryout projects and to access the global knowledge gateway.



Information and Communication Technology enabled education

The institute provides ICT enabled learning using MOOCs, Moodle, Virtual laboratory, Spoken tutorials and NPTEL based video lectures. Computer Centres are equipped with latest configuration of workstations.



Library

"Google can bring you back 100,000 answers, but a librarian can bring you back the right one". Library is the heart of GPRI which provides an environment that helps users to fuels their imagination; open up windows to the world of innovative ideas. The well stacked library provides access to wide range of resources such as books, journals, CDs and E-resources and services like reference, reading, internet, printing etc...

