



GPERI

Creating Engineers For Tomorrow

Gujarat Power Engineering and Research Institute

AICTE Approved | GTU Affiliated | PPP Mode

Near Mehsana Toll Booth, Ahmedabad-Mehsana Express Highway,
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GUJARAT POWER ENGINEERING & RESEARCH INSTITUTE

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GPERI

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Vision

To become a leading technical research institute in gujarat and india by providing highest quality education and research opportunity to meet local and regional needs of industry, research organizations and entrepreneurs and to be sensitized towards community development and responsible citizenship.

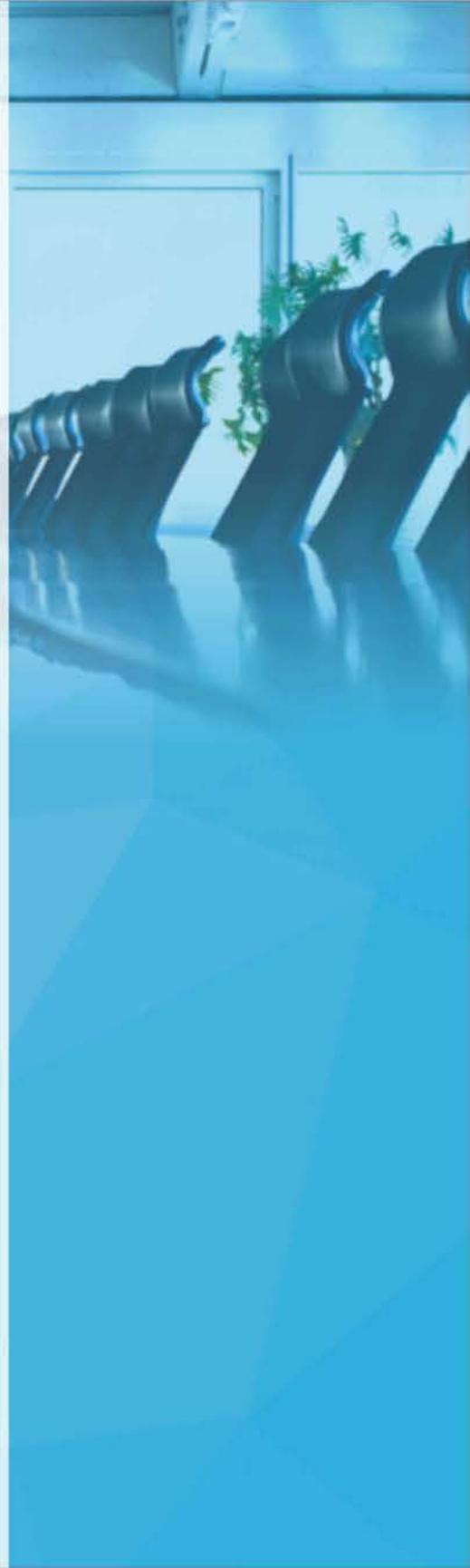


Mission

To be involved actively in teaching & research. The faculty will be responsible for intellectual functions of the Institution and inculcate the mind and the transmission of basic ideas. Whereas, service will be the social function of the institution, the institute will provide the link between the development of knowledge, society and community to take place together.

Board of Governors

Name of the Member	Current Designation
Shri Sujit Gulati, IAS Chairman	Additional Chief Secretary Energy and Petrochemicals Department, Government of Gujarat
Smt. Shahmeena Husain, IAS Member	Director (A), GUVNL Vadodara
Shri H. V. Patel, IAS Member	Ex. Commissioner, Commercial Tax, Govt. of Gujarat, Ahmedabad.
Shri Murli Ranganathan Member	Ex. Director Torrent Group, Ahmedabad
Shri Palak Sheth Member	Director (P & D) Pandit Deendayal Petroleum University, Gandhinagar
Dr. P. R. Dave Member	Representative of Director of Technical Education, Gandhinagar
Shri. J. B. Patel Member	General Manager Gujarat Power Corporation Limited, Gandhinagar
Shri. P. H. Rana Member	Director Gujarat Power Corporation Limited, Gandhinagar
Shri Rajendra Mistry Member	Senior Executive (Project) Gujarat Power Corporation Limited, Gandhinagar
Ex – Officio Member	Representative of Regional Office (RO), AICTE ,Bhopal
Ex – Officio Member	Representative of Gujarat Technological University, Ahmedabad
Ex – Officio Member	Representative of Regional Committee.
Dr. Rajesh Patel Member Secretary	Principal, Gujarat Power Engineering & Research Institute, Mehsana
Dr. Sandip Trivedi Member	Professor & Head, Civil Engineering Department, Gujarat Power Engineering & Research Institute, Mehsana
Dr. Jignesh Patel Member	Assistant Professor In Physics, Gujarat Power Engineering & Research Institute, Mehsana





About GPERI

The Department of Technical Education, Government of Gujarat had given the responsibility for establishing a Degree Engineering College to Gujarat Power Corporation Limited (GPCL - Government of Gujarat Undertaking) under PPP mode. Accordingly, GPCL has established Gujarat Power Education and Research Foundation (GPERF) which is registered as Society as well as Trust under Societies Registration Act, 1860 and Bombay Public Trust, 1950 respectively in June, 2010.

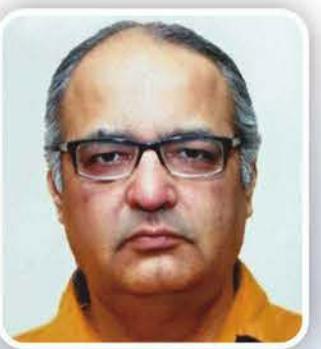
The modest endeavor of GPERF in the educational establishment is Gujarat Power Engineering and Research Institute (GPERI) which commenced in the year 2011 at Village Mewad, Dist. Mehsana, Gujarat with the approval of All India Council of Technical Education (AICTE), New Delhi and affiliation with Gujarat Technological University (GTU), Ahmedabad.

GPERI offers four year Bachelor of Engineering (BE) programs in Civil, Computer, Electrical and Mechanical Engineering. The institute has developed state-of-the-art laboratories and infrastructure and faculty resources to cater the need of high skilled employable engineers to the industry.

GPERI is located in the city of Mehsana; an automobile hub and heart of many small and medium scale industries of Gujarat. It is growing remarkably well in vibrant campus, spread over an area of 25 acres on a lush green area with 10 acres for academic and administrative building. The campus has all the modern facilities like internet and Wi-Fi, state of art laboratories and computational facilities, excellent cafeteria, modern library center etc. The campus is well located and can be reached conveniently.

A b o u t G P E R I

Chairman's Message:



Gujarat Power Engineering and Research Institute (GPERI), after five years of the journey is witnessing a major milestone of fulfillment of its vision "Creating Engineers for Tomorrow", to meet the local and regional need of skilled professionals for the industries.

It is a great pleasure for me to introduce our third batch of engineering graduates to the industries. Technology has brought huge transformation in the education system, GPERI is very much conscious about recent technological changes and preparing its students accordingly. The students of the GPERI have gone through extensive work integrated learning system including internships, industry defined project works, skill development programs, training programs etc.

Final year students are at very crucial stage of their life as they are in the process of selecting best career option and entering into the real corporate world. Our students are equipped with sound technical skills, right attitude, critical thinking, effective communication skills, interpersonal skills, ethical, social and professional understanding to take up the challenges in the corporate world.

At this junction, I wish them my best wishes for their future endeavour and I am sure that our graduates are capable of creating a beautiful world of tomorrow. I welcome all corporate, industries, HR fraternity and various institutions to GPERI for long term collaboration for the development of our young professionals and provide them best employment opportunity.

Principal's Message:

Gujarat Power Engineering and Research Institute (GPERI) is one of the youngest and fastest growing Engineering Institute in North Gujarat. We are not only creating engineers but also building the bright future for our nation by imparting them life skills. We believe in innovation and skill development in engineering education to promote creativity and entrepreneurship. We are collaborating with many industries and academic institutes for industrial exposure and to promote skill development, to make our students employable.

The academic activities of the institute emphasizes on deep understanding of fundamental principles, development of creative ability to handle the challenges of industrial issues, and the analytical ability to solve problems which are interdisciplinary in nature. The institute also encourages the students to engage in extra-curricular and co-curricular activities, essential for nurturing team spirit, and developing organizational skills. The faculty members of the institute, besides doing regular academic activities, many of them are involved in applied research to ensure that the students of their departments are ready to take-up the challenges of the real world. The faculty members are committed to prepare the students by providing them with sound fundamental and conceptual understanding of subjects and also by playing a huge role in mentoring the individuals.

Our students have received many awards in various events and competitions such as Engineering Model Making, Innovation, Renewable Energy, Solar Energy, Robotics, Sports and Cultural performances. The institute is recipient of "GTU Pedagogical Innovation Award 2014". The foundation of our institute is rock solid based on four pillars of Academics Infrastructure, Faculty Resources and Industry-Institute Interactions. Along with academic activities, we ensure to train students in various industries so that the knowledge gained in the classroom is fruitfully utilized.

I take this opportunity to invite the industries captains from India and abroad to visit our campus, interact with our students and faculty members and recruit our students in your industries. Let us work together for mutually gratifying and everlasting relationship between the industry and institute.

Looking forward to see you at our campus...



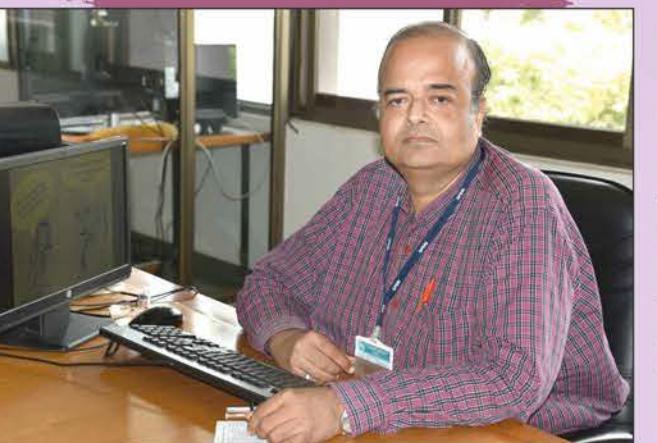
Dr. Rajesh Patel
Principal (I/C), GPERI

Department of 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 full time 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 equipments to facilitate practical experience. The department has collaborations with many industries to provide industrial exposure to the students.



Message from HOD



Construction industry today, is growing and expanding at an accelerated rate in our country, involving number of latest and updated technologies. The country is witnessing tremendous infrastructural growth which in turn, is resulting in huge demand for the civil engineers with skills. In such circumstances, it becomes the great responsibility of the Civil Engineering department to mould the students into excellent engineering professionals.

At our department, our mission is to educate individuals to become the leaders of the profession. Our undergraduate program showcases several disciplines within civil engineering and provides our students with a sound and broad education that prepares them for professional practice. The program emphasizes interdisciplinary teamwork, communication skills, tools and skills for professional practice, and lifelong learning. We strive to ensure that our graduates understand professional ethics and the value of service to their profession and society through involvement in community, state, and national organizations.

For this purpose, it has been our constant endeavor to provide ample opportunities to students for their overall development. We continually try to improve our industry-institute relations, and to bring the professional work environment to the classrooms. The department and students interact with the industries to have professional learning opportunities interwoven with regular studies. The department frequently organizes industry visits for students, invited expert lectures, seminars/conferences etc. to provide for professional interaction.

The department is having well-qualified faculty members, they put in their constant efforts to update the existing courses, which help in imparting the latest technical knowledge to the students. The fully developed laboratories of the department and a rich library of knowledge resources, are contributing to the learning process of students. We ensure that the students are actively participating in all academic, co-curricular and extra-curricular activities being conducted for them. The department, in a short time, has grown into being a preferred academic destination in the North Gujarat region.

I would like to congratulate the department team, the faculty members and staff for their dedication and hard efforts towards the development of department, which in turn, has enriched the intellectual growth of students. Finally, I would like to convey my best wishes to all students of final year (Civil Engineering), for an excellent successful career ahead.

Dr. Sandip S. Trivedi
Professor and Head (Civil Engineering)



Faculty Members

Prof. Ketan Lakhtaria
Assistant Professor
Specialized in Environmental Engineering,
Water resources, Building materials and
Construction

Prof. Sadhana Singh
Assistant Professor
Specialized in Water Resources Engineering,
Irrigation Engineering.

Prof. Madhu Trivedi
Assistant Professor
Specialized in groundwater assessment,
salinity ingress, Ground water recharge,
geospatial technologies and soft computing applications

Prof. Sadanand Sahu
Assistant Professor
Specialized in Pavement design, Pavement evaluation,
Material (waste) characterization for utilization in pavement layers.

Prof. Kishor Kumar
Assistant Professor
Specialized in Highway Engineering, Pavement Design,
Surveying, Traffic Engineering, Mechanics of Solids.

Prof. Sachin Patel
Assistant Professor
Specialized in Structural Dynamics and Earthquake
Engineering and Structural analysis

Prof. Jayrajsinh Bavan
Assistant Professor
Specialized in Design of RCC and Steel Structures,
Earthquake Engineering and Structural analysis.

Laboratory Facilities



Environmental Engineering
Lab is equipped with all required instruments to conduct experiments for analysis of water and wastewater. Major equipments available are: B.O.D. Incubator, bio- incubator, oven, pH meter, turbidity meter, jar test, conductivity meter, muffle furnace, hot plate etc.



Building Construction
Lab is having models of Plate Girder, Bridge, Road suspension Bridge, R.C.C Deck slab Bridge, R.C.C Balanced Cantilever Bridge, Bridge Trusses, Road Culvert Single arc, Model of Bricks, Model of Doors etc.



Engineering Geology
Geological engineering encompasses a wide range of collection of samples of Rocks, Minerals, structural models, mirror stereoscope, parallax bar and all minor equipment for geological exploration.



Hydrology and Water Resource Engineering
The lab is specially designed to provide solutions for critical water resource issues including the hydrology and quality of runoff in urban catchments, water budgeting, reservoir operations and flooding of rivers.



Fluid Mechanics
The lab is well-equipped with Floating Body (Ship), Bernoulli's Theorem, Reynolds Number, Flow over Notches apparatus, Losses of pipe Dye to friction, Pitot Tube, Venturimeter, Orifice Meter, Rotometer, Flow over Weir apparatus.



Earthquake Engineering
The laboratory is designed to carry out experiments on vibrations. It helps students to understand structural behaviour imposed by dynamic loads. High Frequency Shake Table with Model is available in the laboratory.

Mechanics of Solids
The laboratory is designed to carry out tasks to understand behaviour of mechanics and the properties of solid material. It has Universal Testing Machine, Impact Testing machine and Rockwell cum Brinell hardness testing machine etc...



Elements of Civil Engineering
The laboratory is well equipped with Prismatic, Surveyor's Compass, Optical and Prism square Cross staff, Chains & tapes, Ranging Rods, Pegs & Arrows, Auto level and Dumpy level Precision Vernier Transit theodolite, Digital theodolite, etc...



Concrete Technology
It allows students to test and assess the various fresh and hardened concrete properties that may affect the performance of concrete members. Major equipments: Compression Testing Machine, Oven, sieve shaker, vibration table, Vee-Bee Consistometer, Compacting factor apparatus, Concrete mixer, moulds, etc.

Laboratory Facilities Civil Engineering



Geotechnical Engineering

It is equipped with Liquid Limit Apparatus, Plastic Limit Apparatus, Hot Air Oven, Shrinkage Limit Apparatus, Permeability Apparatus, Standard Penetration Test, C.B.R Testing machine, Direct shear, unconfined and triaxial shear Test, Consolidation Test, Swelling Pressure Test etc.

Structure Analysis

The laboratory is designed to carry out the analysis of beam, frame, arch, truss and column. It is equipped with Continuous beam apparatus, Redundant joint, three hinge arch, pinned joint truss, inter connected bridge girder model and portal frame apparatus.

Transportation Engineering

The laboratory is designed with a vision of testing requirements of industry and different research areas of bitumen, soil and aggregate. Major instruments existing in the laboratory are specific Gravity, Bankelman Beam, Dorry abrasion Test, Deval Attrition Test, Los Angles Abrasion Test.

Industrial Visits

- Adani port, Mundra
- Saradar Sarovar Dam site, Kevadia colony
- Gujarat Engineering & Research Institute (GERI), Vadodara.
- JK Lakhmi Cement manufacturing Plant, Sirohi, Rajasthan.
- Canada Palace, construction site, Mehsana.
- Tachometry survey project, at Ambaji.
- Institute for Seismological Research Institute (ISR), Gandhinagar
- Water treatment plant (91 MLD capacity) of G.W.S.&S.B. at Dediyanan
- District Laboratory, G.W.S. & S.B. Mehsana
- J.P. Cement manufacturing Plant, Vanakbori
- Power Plant, Vanakbori
- State Water Data Centre, Gandhinagar
- Godrej Garden City, construction site, Ahmedabad.
- Bridge construction site of Ajay Infrastructure near Mehsana.



Glimpses of Events:



Civil Engg Students 'Team winning the "Robowar" at Powerfest-2016



Inauguration of Civil Engineering Students Association "CIVESTA" August 7, 2016



Civil Champ Event at Powerfest-2016

Activities & Achievements

Students' Achievements



Nishita Patel (Final Year Student) has presented "Inland Water Transportation Opportunities and Challenges in India" at Youth 'Habitat' Conclave, Feb 2016.

Sarthak Gupta (Final Year Student) has participated in western vocal event, "Xitij 2014" organized at S R Patel Engineering collage and secured 2nd rank.

Workshop

Workshop on "Designing with STAADpro software".

This workshop was organized to know use of STAADpro software in structural analysis and the designs of G+3 building, industrial shade, truss structures, plate structures, etc.

Expert Lectures organized for Civil Eng. Students



Dr. Devanshu Pandit,
"Case Studies in
Construction Technology",
CEPT, Ahmedabad



Shri Yusufkhan,
"Quality Management on
Construction Projects",
Quality Cell, L & T ECC.



Dr. Bal Rastogi,
"Earthquake Preparedness
in Gujarat" ISR, Gandhinagar



Shri Bhairav Patel "
Designing with STADDpro".
Idea for organizing this session
was to know the importance of
the STADDpro software in analysis
and design of structure and practical
implementation of the software.



Shri Rajeev Shah,
"Project Management in
Construction",
HCP Designs, Ahmedabad

Department of Computer Engineering

The Department of Computer Engineering is the ICT backbone of GPERI. It has well-experienced faculty members and technical staff, an excellent infrastructure, state of the art equipment and software tools. It offers opportunities to students to carry out education in areas like Programming, Algorithm, Artificial Intelligence, Graphics, Networks, and Database Systems, Cyber Security etc. The department has six computer laboratories with over highly configured 150 desktops with all latest updated licensed softwares. Department has many technical clubs like Open Source Technology club, Mobile & wireless club, GIC club etc.



Message from HOD



In the last decade internet has revolutionized all aspects of our lives, from the way we communicate to the way we do business. Wireless communication, online commerce, medicine, and multimedia are examples of new applications that have transformed our world. Computer engineers design, construct, and test the computer systems and software. They have developed the fundamental technologies that made the web possible, including high performance microprocessors, gigabit networks and object-oriented computer languages.

Department of computer engineering is committed to impart the knowledge of Software Engineering, Database Management Systems, Theory of Computation , Computer Graphics, Design and Analysis of Algorithm and many other subjects to match the pace in technological environment. The aim of the department is to provide high quality education along with training the students with all the new advancements in the computers field. The department also takes initiative to improve soft skills, analytical capabilities and verbal communication of the students so that they can face the competition in the corporate world confidently. The department provides platform for the students to achieve their career goals.

Now computers are part of every day's life and used for easy of computation and to improve the efficiency so the students of the Computer Engineering are highly demanded by the recruiters of the top companies. Depending upon the interest of the student, they can choose to do research, development, design, application, testing or management in the Information Technology industry. So the scope for computer science is endless.

The industries are facing challenges with new technology hence, the demand for computer engineers has increased dramatically in recent years. There is large requirements of engineers with strong knowledge of computer engineering. I hope, the students of GPERI will bridge the gap between knowledge and challenges.

At last, I would like to convey my best wishes to all the graduating students of Computer Engineering department for their successful career ahead.

Dr. Hasmukh Patel

Assistant Professor & Head

Specialized in Network Security and Image Processing

Faculty Members

Prof. Rajesh Patel
Assistant Professor
Specialized in Sensor Network,
Wireless Network and Cloud Computing

Prof. Harish Rathod
Assistant Professor
Specialized in Soft Computing,
Distributed Systems and Quantum Theory

Prof. Jignesh Patel
Assistant Professor
Specialized in Computer Network
and Data Structure

Prof. Maulik Patel
Assistant Professor
Specialized in Advance Computer Network,
C Programming, MANET, Wireless Sensor
Network and Vehicular Ad-hoc Network

Prof. Hardik Upadhyay
Assistant Professor
Specialized in IT Systems and Network Security,
VoIP, Cloud Computing and Cyber Forensics

Prof. Jatin Patel
Lecturer
Specialized in IT Systems and
Network Security,
Cloud Computing and
Ethical Hacking

Lab Facilities



Programming Lab
Programming lab provides the students an opportunity for learning and better understanding of the basic concepts and constructs of programming languages. Lab is equipped with Oracle 11g server and clients. It covers the concept of database management and data administration.



Database lab
Concepts of database are explained and demonstrated using Oracle database management system. Lab is equipped with Oracle 11g server and clients. It covers the concept of database management and data administration.



Hardware & Network
21 workstations are dedicated to explain the concepts of computer hardware, which covers the concepts of hardware trouble shooting and computer assembling. Laboratory is capable to simulate and implement real life networking scenario.

Advanced Computer Network
Laboratory is designed to learn the advance networking concepts like switching, routing and network security. Laboratory also equipped with routers and CISCO layer-3 switches in order to implement routing and switching practical.

Operating System
Laboratory is aimed to transform the theoretical concepts of operating system subject in to practice. All workstations contains the Linux Operating system in order to perform the practice of IPC, memory management and kernel development.

Computer Centre
60 workstations with windows operating system and latest configuration dedicated to general purpose usage and research activity. Each PC is connected with high speed internet connectivity and equipped with all basic software.

Achievements

- Department of Computer Engineering, GPERI has been awarded with "GTU Pedagogical Innovation Award 2014" from Hon. Vice Chancellor, GTU under the category of ICT based Learning Management System.
- Department stood First in semester VIII GTU-Summer 2016 Examination result.
- Semester VI of department has secured 7th position in GTU summer 2016 examination result.

Activities

- Two days Workshop on "Android Applications Development" for final and pre-final year students.
- Five days workshop on "Web application Development and Designing" for 3rd and 5th semester students.
- Two days workshop on "Arduino and Rasberry PI" for 3rd and 5th semester students.
- One day "Mock Interview Process" Program for final year students
- Two days workshop on "iOS Application Development " for final year students.
- Two days workshop on "Advance Java Technology" was organized for pre-final year students.

Industrial Visits

- Odoo, Gandhinagar
- Banas Dairy Palanpur
- BISAG, Gandhinagar
- ONGC (SCADA system), Mehsana
- IT Department of Dantiwada University, Sardarkrishnagar
- Automation Department of Banas Dairy, Palanpur
- Bharat Sanchar Nigam Limited (BSNL) RTTC, Ahmedabad
- Bhaskaracharya Institute for Space Application and Geo-informatics (BISAG), Gandhinagar
- Scada System at ONGC, Mehsana
- Industrial visit @ BSNL for 4th semester student
- Sardar sarovar dam site visit for pre final and final year students.



Workshop on
Android Application Development
(2016)



Mock interview process for
Final year students



Students from Computer
department declared
as winner in PowerFest-2016
for AndroTech Event



Students team from computer
department declared as winner of
Topcoder-2015-
A World Level Coding Competition



Students from Computer department
declared as winner in PowerFest-2016
for Project Competition



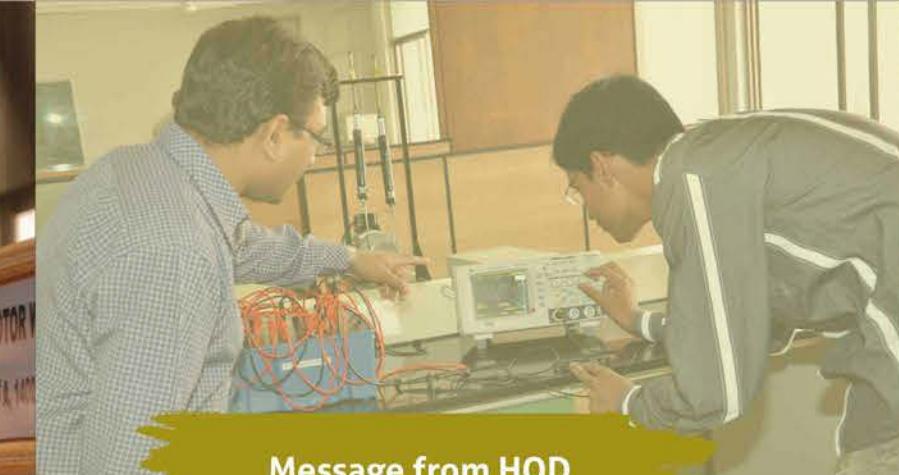
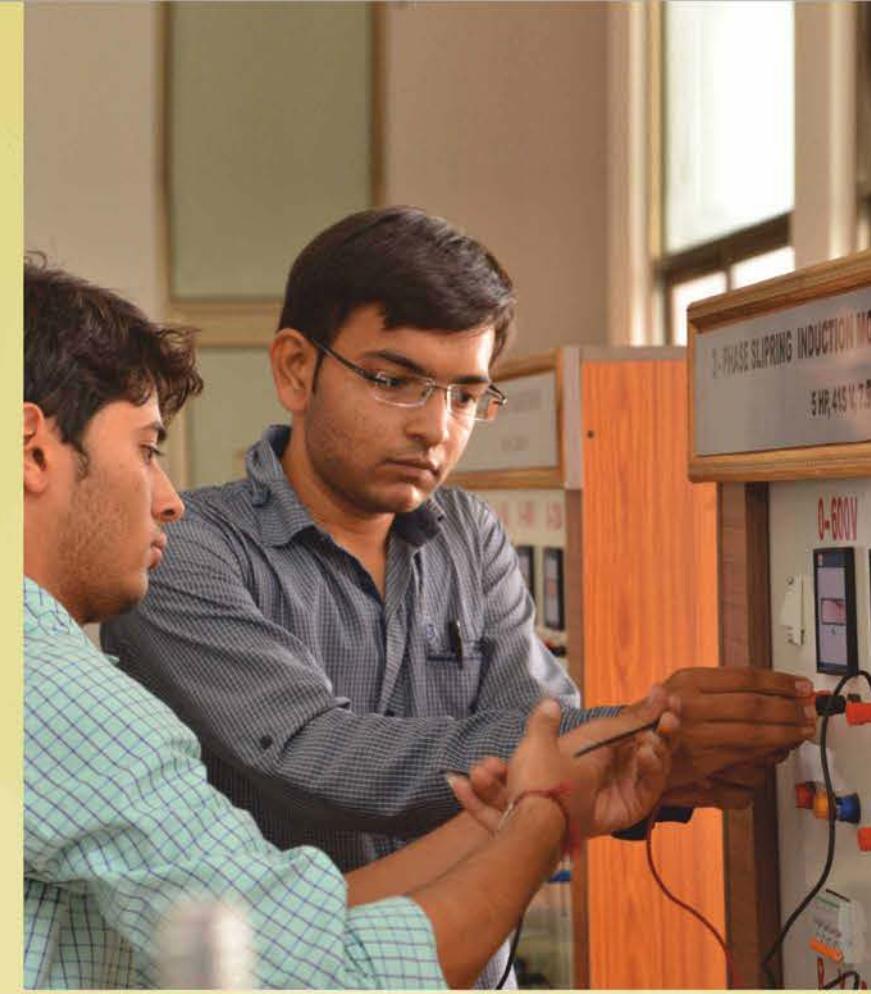
Two days workshop and OMS



Industrial Visit of
Automation plant at
Banas Dairy Palanpur

Department of 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.



Message from HOD



Welcome to the Department of Electrical Engineering. The academic of the faculty members are specialized in Power Electronics & Drives, Electrical Power Systems, Industrial Electronics and Power Apparatus & Systems. Electricity is a vital form of energy and is an inevitable part of our lives. To match steps with this ever expanding world of electricity and contribute to its betterment the course structure is exclusively designed to provide students a better understanding of challenges in Electrical Engineering.

In the department, the focus is on concocting Proficient Engineers. New technologies and protocols for Electrical Contrivances and Power Systems are emerging and being standardized promptly. The Department has a fine blend of distinguished as well as fresh and dynamic personalities as faculty, who are passionately engaged in imparting quality education. With exposure to such great facilities, the students gain invaluable practical knowledge enabling them to meet the human talent requirements of industry.

I wish all the students for the better perspective career ahead.

Prof. Mahesh A Patel

Assistant Professor & Head (I/C)

Specialized in Power Apparatus System & System



Faculty Members

Prof. Ashvin G. Patel
Assistant Professor
Specialized in Electrical Power System

Prof. Saransh Gupta
Assistant Professor
Specialized in Power Electronics & Electrical Drives.

Prof. Sanjay Patel
Assistant Professor
Specialized in Power System

Prof. Dhaval Patel
Assistant Professor
Specialized in Power Apparatus & Systems

Prof. Hema Mehta
Assistant Professor
Specialized in Power Systems

Prof. Anshul Awasthi
Assistant Professor
Specialized in Power Electronics & Electrical Drives

Prof. Rahul D Sathavara
Assistant Professor
Specialized in Power System

Prof. Deepak Joshi
Assistant Professor
Specialized in Power Systems

Industrial Visits

- Kokila Electrical, Vijapur
- Thermal Power Plant, Wanakbori
- KevadiyaColoni, SardarSarovar, Bharuch
- Electrotherm India Limited, Ahmedabad
- 400 kV Substation, Soja
- Amrut Engineering Pvt. Ltd., Visnagar
- Solar Park, Charanka
- ABB, Baroda
- 400 KV Substation, Soja
- Amtech Electronics and Veeral Controls, Gandhinagar
- ERDA, Baroda
- Electrical SWITCH Expo 2016, Vadodara



Activities

- Gujcost sponsored one day National seminar on "Solar Energy Applications in Present Era"

This National seminar sponsored by Gujarat Council on Science & Technology and aims to spread emerging knowledge of Solar Energy applications like solar cooker, solar photovoltaic power plant, solar evacuated tube collectors.

- GEDA sponsored a one day workshop on "Energy Conservation Awareness - 2016"

This workshop was organized by Gujarat Energy Development Agency and aims to spread awareness of energy conservation among students.

- Awareness rally for energy conservation:

Organized by Electrical department this rally spreads the message of conserving electrical energy, among whole institute, delivered individually to every classroom.

Expert Lecture:

- An Expert lecture on "Design Consideration, Performance Parameters & Testing of Induction Motor as per Indian Standard" was delivered by Dr. J. G. Jamnani, Associate Professor, SOT, PDPU.
- An Expert lecture on "Multilevel inverters" was delivered by Mr. S. B. Mahajani, Dy. General Manager, Amtech Electronics.
- An Expert lecture on "Power system protection" was delivered by Mr. R.A. Patel and Mr. S.D. Patel
- An Expert lecture on "Two area optimal control using state variables" was delivered by Dr. Axaykumar Mehta, Associate Professor, IITRAM Maninagar, Ahmedabad.
- An Expert lecture on "Reactive Power" was delivered by Mr. Kuldeep Ruparelia, Dy. Engineer, ERDA, Vadodara.



Achievements

- B.E Electrical Student of Batch 2011-2015, Shivani Kataria has stood first as the highest ranking academic student (highest CGPA of 8.56) among all the four branches of Engineering at GPERI.
- The Department of Electrical Engineering has achieved 100% academic result for the first passing out batch (2011-2015) of the institute and has stood first in the state among the colleges under GTU.

Short Term Training Program on Programmable Logic Controllers:

A one week STTP on PLC was organized at the Siemens Centre of Excellence at GPERI for EE Dept. Faculty members and industry personnel, starting from 30th May, 2016 to 4th June, 2016. The same STTP was conducted for students, from GPERI and other Engineering Institutes, from 6th June to 10th June, 2016.



Short Term Training Program on AC/DC Drives:

A one week STTP on AC/DC Drives was organized at the Siemens Centre of Excellence at GPERI for students, from GPERI and other Engineering Institutes, starting from 30th May, 2016 to 4th June, 2016. And the same STTP was conducted for EE Dept. Faculty members and industry personnel, starting from 6th June, 2016 to 10th June, 2016.



Laboratories



Electrical Machine Laboratory

The laboratory is equipped with AC & DC Machines, Special Machines & Transformers DC Generators & Motors, Synchronous Motor, Alternators etc.



Power Electronics Laboratory

This Laboratory is equipped with Inverters Trainer, IGBT, UJT, SCR & MOSFET Characteristics Trainer, Commutation Methods of SCR Trainer, Gate Triggering Methods of SCR Trainer, DC drives, Digital Storage Scopes, Function Generators & Workstation.



Simulation Laboratory:

This laboratory is enriched with following license Softwares & 25 Computer Systems.

- 1). PSIM 10.0.2 (users)
- 2). MiPower (users)
- 3). MATLAB 2015a (users)

Laboratories



Network and Control System

This laboratory is equipped with modules kits for verification of Network Laws and Theorems like Thevenin's Theorem, Norton's Theorem, Superposition Theorem, Maximum Power Transfer Theorem, Tellegen's Theorem, Two Port Network, Two Port Ladder Network, etc...



Microprocessor & Controller Laboratory

The students learn about using 8085 for controlling purpose in various engineering applications. This laboratory is equipped with various trainer kits for 8085 based microprocessor and 8085 based interfacing, dc motor speed control.



Electrical & Electronic Workshop

This laboratory is enriched with components like Transistors, Various ranges of Carbon Resistors, Various ranges of Capacitors, Variable Pots, Various Colour LEDs, Relays, Transformers, Regulated ICs, Power Device ICs, Digital ICs, Analog ICs, Breadboards, Solder Irons, Diodes, Power Devices, GPPCB etc.



Elements of Electrical Engineering Laboratory

This Laboratory has various trainer kits for Verification of Basic Electrical Engineering Laws and Theorems.



Basic Electronics Laboratory

The laboratory is enriched with Digital Storage Oscilloscope, Analog Oscilloscopes, Function Generator, Regulated Power Supply, Workstation & various electronic experimental kits like Rectifier Trainer, Clipper & Clamper Trainer, and Amplifier Trainer etc.



Digital Electronics Laboratory

This lab is equipped with various training kits to explore the practical aspects of various devices.



Industrial Instrumentation Laboratory

The laboratory has various equipments for the Measurement & control of Temperature using RTD, Thermocouple, Thermistor, Measurement of Humidity using Humidity Sensor, Measurement of Displacement using Inductive Transducer, Measurement of Angular Displacement using Capacitive Transducer, Measurement of Strain using Strain gauge transducer, etc.



Electrical and Electronic Measurement Laboratory

This laboratory is equipped with modules kits to explore the practical aspects of various devices. The laboratory having trainer kits like Maxwell's Bridge, Hay's Bridge, Kelvin's Bridge, LVDT, Digital Megger etc.



Analog Electronics Laboratory

This laboratory is equipped with Mono-Stable, Bi-Stable, Free Running Multivibrator, Study of Phase Locked Loop Trainer Kit on basics of Active Filters, Study of OP AMP Mathematical Operations, Wien bridge oscillator, Study of Schmitt's Trigger Circuit and Zero crossing Detector, Study of Inverting & Non-inverting Operational Amplifier, Study of Adjustable output Voltage Regulator, Voltage Controlled Oscillator (V.C.O.) Trainer etc.

Seminar

One Day Seminar on **Automation & Embedded System** was organized where Mr. Ashutosh Godbole Project Engineer delivered expert sessions.

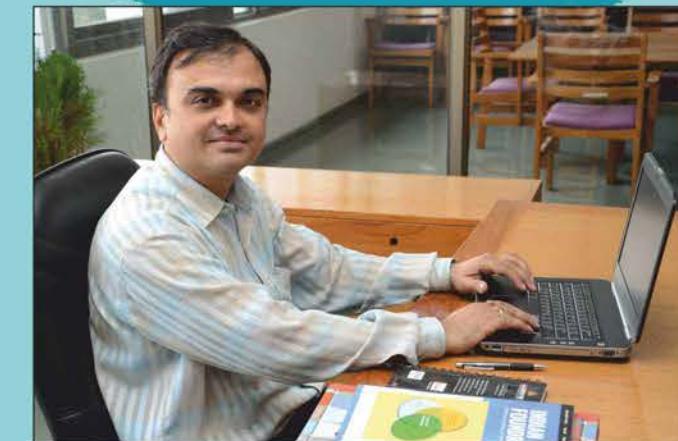
One Day Seminar on **Advance Electrical Machine** was organized where Prof. K. B. Shah, Asst. Prof. SPCE has delivered expert sessions."

Department of 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 equipments to facilitate practical experience.



Message from HOD



Mechanical engineering is one of the broadest and oldest branches of engineering, involved with testing, manufacturing, control, operation, and maintenance of mechanical systems- that is, any system that has a moving part. Mechanical systems can vary greatly in complexity and magnitude from the valve in an artificial heart to a car engine to a mammoth nuclear power plant. The department's endeavor has always been to enhance the industry-institute relations and concurrently figure out solution for critical technology avenues of Mechanical Engineering. The department has MoUs with many industries and organizes seminars/symposia for professional interaction. The Department contributes to the interdisciplinary academic and research activity of the institute.

Our goal has always been to train the budding Mechanical Engineers by various advanced tools and techniques of the profession. The faculty, through constant endeavor, updates the existing courses which help in imparting the latest technical knowledge to the students. We have membership of Indian Society for Technical Education and Indian Society of Heating Refrigeration and Air Conditioning Engineering. We are committed to provide research and testing facility in the renewable energy like solar energy. The department has solar research facility with 10 KWp captive solar power plant and 500 LPD solar water heater. .

I wish the student of mechanical engineering to be GOAL specific. Better choose the specialization, than the company for your career development.

Dr. Vijay Matawala

Professor & Head

Specialized in Refrigeration, Air conditioning,
Heat pump, and Energy Economics



Faculty Members

Prof. Rajesh J. Patel
Assistant Professor
Specialized in I.C. Engine & Automobile Engineering, Thermal and Power Plant Engineering

Prof. Vipul D Patel
Assistant Professor
Specialized in Fluid Mechanics, Fluid Power Engineering, Engineering Graphics, Heat and Mass Transfer

Prof Vinay Sharma
Assistant Professor
Specialized in thermal engineering, Non conventional energy

Prof. Alpesh V Joshi
Assistant Professor
Specialized in CAD/CAM, FEA, Design, Solar Module and Manufacturing

Prof Parin Patel
Assistant Professor
Specialized in Machine Design, Industrial Engineering

Prof Sumeet Kumar
Assistant Professor
Specialized in Machine design

Prof Bhargav Pandya
Assistant Professor
Specialized in thermal engineering

Mr Ravi Prakash Upadhyay
Assistant Professor
Specialized in production engineering

Industrial Visits

- Dudhsagar Dairy, Mehsana
- Thermal Power Station, Wanakbori
- Indogerman Tool Room, Ahmedabad
- Kevadiya Colony, Sardar Sarovar
- Bhavik Tractor Garage, Mehsana
- Windsor Machines, Chhatral
- Adani power, Mundra Kutchh
- Bharat dairy, Mehsana
- Rainbow paper mill, Kadi



Wanakbori Thermal Power Station (WTPS)

Awards

- Prof. Hitesh N. Panchal has been awarded with "Bharat Excellence Award" and "Indian award of Excellence in Education"
- Students of Mechanical Engineering won the second best project titled "Performance Analysis of Novel Solar Still" and awarded with Trophy, Citation and Rs.25,000/- from Engineering Students Innovation Challenge : ESIC-'14, Bangalore
- Students of Mechanical Engineering won the second best project titled "Home-made Biogas Plant" and awarded with the Certificate and Rs.50,000/- at Live Model Making Competition 2014 PDPU, Gandhinagar

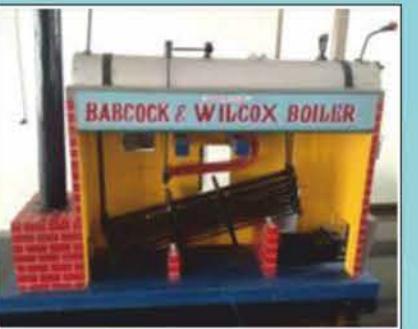
Activities

- The one day **National Seminar on Solar Energy Technologies** was organized on 6 April 2013. Many eminent experts have delivered talks on solar energy.
- 20 days STTP on **SolarPhotovoltaic Application Design and Technology** was organized in May 2013. Around 14 students have participated in the training and conducted around 20 experiments.
- A one day national seminar on **Solar Energy Applications in Present Era** was organized on 31 August 2013. The seminar was addressed by external experts on solar photovoltaics and attended by around 35 faculty members.
- One day faculty development program on **Advances in Refrigeration and Air-Conditioning** on 21st June-2014
- Gujcost sponsored one day seminar on **Futuristic innovations in Solar Energy** on 20th December-2014.
- Gujcost sponsored one day seminar on **Emerging Trends in Concentrated Solar Technologies** on 4th July-2015.
- GEDA sponsored one day workshop on **Energy Conservation Awareness** on 4th September-2015 at seminar hall.
- Seminar on **Cleaner Production to Save Environment**.
- Two day short term program on **Emerging Research and Advances in Solar Thermal Applications** on 24-25 June-2016
- One week short term training program on **Essential s of NX Designers** during 30th June - 2016 to 4th July-2016.
- One week short training on **NC-Numerical Control Programming** during 6th June-2016 to 10th June-2016

Achievements

- Patel Mitul M, Patel Dipak, Patel Jay, Patel Vivek and Gajjar Darshan won National level first prize in a project entitled "Performance analysis of novel solar still" in Engineering students innovation challenge, organized by the intentional society for Scientific Research and Development (ISSRD), Banglore among 200 teams of India.
- Patel Dipak, Patel Rashmin, Solanki Akash and Gohil Mahipal won 2nd Position in a National level Model Making Competition in FLARE – 14 organized by Pandit Dindayal Petroleum University, Gandhinagar Gujarat on March 23rd, 2014.
- Patel Dipak, Patel Rashmin and Solanki Akash won 2nd Prize in event of Model Presentation in VEYG -14 held on 21st-22nd February, 2014 at Saffrony Institute of Technology.
- Prajapati Parth and Modi Deep secured 1st rank in the event of Robo War in SEARCH X4 – a state level technical symposium held during 27th – 28th March, 2014.
- Prof. Hitesh N Panchal received Bharat Excellence Award for outstanding work on Renewable energy in Gujarat by FFI, New Delhi.
- Prof. Hitesh N Panchal received Indian Award for excellence in Education for the emerging education on solar energy in Gujarat by FFI, New Delhi
- The department has fetched the Grant of Rs. 2 Lakhs from Gujarat Council on Science & Technology, Govt of Gujarat to organize various training program
- Prof. Hitesh N Panchal, has published 2 books and around 18 research papers in national and international journals and symposia.

Lab Facilities



Elements of Mechanical Engineering

The laboratory includes various models and charts of different faculties like I. C. Engines, Steam Boilers, Automobile components etc. to impart the knowledge of the subject to students



Heat and Mass Transfer

The well equipped Heat and Mass Transfer Laboratory is one of the quills in the crown of Mechanical Department of GPERI. It is equipped with experimental set ups of Conduction, Convection, Radiation heat transfer measurement & emissivity measurement.



Internal Combustion Engines

It is well furnished with all equipments to carry out performance test on single cylinder 4-stroke Petrol Engine as well as to carry out Morse test on four cylinder 4-stroke Petrol Engine.



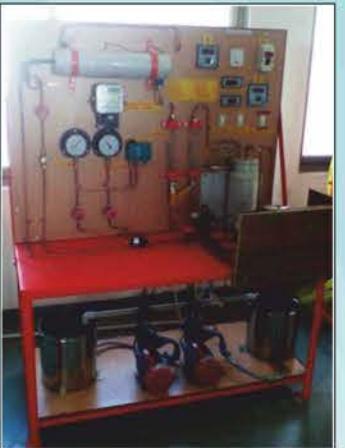
Fluid Mechanics

The Laboratory is fully equipped with all the instruments related to measurement of Flow, Velocity, Friction Factor & Reynold's Number etc. The lab test the fundamental principals of fluid mechanics.



Material Science and Metallurgy

The Laboratory has various instruments contain basic to advance instruments, Metallurgical microscope, muffle furnace, Jominy-end quench test, fine and rough polishing machine, sieve shakers.



REFRIGERATION AND AIR CONDITIONING LABORATORY

It covers all major test rigs which are very useful for the fundamental and research and development. Refrigeration test rig, Absorption refrigeration test rig, Air-conditioning test rig water-water heat pump, Air-water heat pump are the major experiments performed in the lab.

Lab Facilities



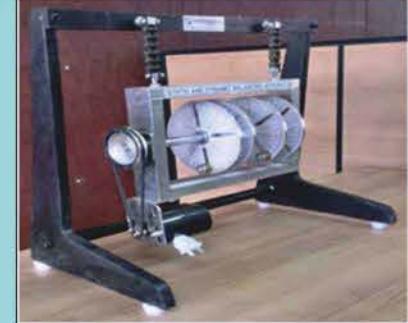
MECHANICAL MEASUREMENT AND METROLOGY LABORATORY

It contains instruments like Vernier Calipers, Bevel Protractor, Sine Bar & Slip Gauges, Spirit Level, Combination Set, Surface Roughness tester etc. helps the students to carry out Linear, Angular & Surface Roughness Measurement of different work pieces having different geometries.



COMPUTER AIDED DESIGN LABORATORY

It was established for concept design and product realization. This lab is to primarily facilitate students to evolve concepts and convert it into a complete product. The process of design, simulation and prototyping takes place in a digitally integrated environment.



Dynamics of Machinery

The Laboratory deals with balancing of mechanisms, torsional and bending vibrations, vibration isolation, and the dynamic behaviour of drives and machine frames as complex systems using static and dynamic balancing apparatus, whirling of shaft apparatus and universal vibration apparatus.



Manufacturing Process – I & II, Production Technology

An ultra modern workshop and machine shop facilitate students to carry out hands-on-practices. Tools includes Heavy Duty Lathe, Shaper Machine, Cutter Grinder, Single Spindle Automate Machine, Capstan Lathe etc.



Department of Humanities

Department of Humanities and Sciences imparts knowledge through teaching and creating implementation of practical aspects to build a solid foundation as part of the Engineering Education. Department of Science & Humanities is one of the indispensable departments of GPERI and plays a vital role in teaching basic sciences courses as prescribed by the curriculum of the university in the I & II year of Engineering programme. This Department consists of subjects like Engineering Mathematics, Engineering Physics, and Professional Communication.

Message from HOD



We aim to provide solid foundation of physics, mathematics and humanities to the next engineers with innovative approaches in teaching and learning. The department strongly believe in constructivism to nurture creativity and innovation. It is well said that engineer is the composition of technical, communication and life skills. We believe in such theory and accordingly prepare future engineers with versatile personality.

We are backed by well experienced, talented and dedicated faculty members to fulfill their tasks. In addition to the primary teaching duties, faculties are involved in fundamental research and publication. The purpose of inducing the subjects of Science & Humanities in Engineering study is to lay a well- built foundation of basic concepts for various engineering disciplines. Therefore, the department acts as a fertilizer to develop the practical approach to explore their hidden talents, personality and communication skills to fulfill the need of budding technocrats. We, at department in particular and institution in general at GPERI, are moving ahead to provide the best facilities.

I extend my best wishes to all the graduating students for better placement and career.

Dr. Jignesh Patel

Assistant Professor & Head

Specialized in Physics, Condensed Matter Physics, Crystal Growth and Characterization

Physics

The curriculum offers opportunity to acquire a deep conceptual understanding of fundamental physics for engineering. The Subject is combined in such a way that it provides opportunity to correlate it with engineering applications. The laboratories consisting of high quality instruments includes Solar Energy trainer, Young modulus setup, Diode characteristic trainer, Wind energy trainer, effect instrument, Ultrasonic measurement kit, Resistivity measurement by Four probe method, Semiconductor energy gap measurement setup etc.

Mathematics

Engineering mathematics is a branch with applied mathematics, concerning mathematical methods and techniques that are typically used in engineering and industries. Mathematics plays a key role in the formation of engineering knowledge.

Communication and Life Skills

The department plays a crucial role for the holistic development of the students through systematic development of all constituents of Communication and Life skills. The course structure of the department consists of: improvement of Communication Skills, Nonverbal communication, Presentation skills, Interview skills and Personality development.

Faculty Members

Dr. Vikas Raval

Assistant Professor,
Specialized in Communication Skills,
Contemporary literature,
ICT and Mnemonic

Dr. Amisha Patel

Assistant Professor
Specialized in Discrete Mathematics,
Operation Research,
Probability and Statistics

Prof. Himesh Patel

Assistant Professor
Specialized in Mathematics, Complex Analysis,
Differential Equations and Linear Algebra

Prof. Nirav Modi

Assistant Professor
Specialized in Laplace Transforms,
Linear Algebra, Partial Derivatives
and Differential Equations

Prof. Alkesh Trivedi

Assistant Professor
Specialized in English
Language and Literature

Research & Development Center: Solar Energy

The role of new and renewable energy has been assuming increasing significance in recent times with the growing concern for the country's energy security. The GPERI Solar R&D Center was established with the special grant from Department of Energy and Petrochemical, Govt. of Gujarat. The main objective of the center is to provide technical support to carryout research and testing of Solar Photovoltaics and Renewable Energy.

The center has facility to conduct research, development, testing and consultancy in the fields of solar energy conversion and solar building technologies, to contribute towards global sustainable development. The major area of research is materials, components, processes and systems for photovoltaic electricity generation, solar and energy-efficient buildings. The lab and testing facility includes Novel PV Concepts, Silicon Materials and Cells, PV modules, solar energy systems etc...

MoU

Memorandum of Understanding was signed among the Gujarat Power Engineering and Research Institute (GPERI), Gujarat Power Corporation Limited (GPCL) and Gujarat Institute of Solar Energy (GISE) in July 2012. The collaborative model was built with an excellent professionalism in Solar engineering education among the institutions.



The sun, at its core is 27 million° Fahrenheit and is roughly 870,000 miles wide – 109 times wider than the earth and 333,000 times heavier.

That's a lot of potential energy that we can harness and the sun isn't going anywhere, best of all – it's free.

Siemens Centre Excellence in Industrial Automation

Industries Commissionerate, Government of Gujarat; Siemens Industries Software (India) Pvt. Ltd.; DesignTech Systems Ltd., India; and Gujarat Power Engineering and Research Institute (GPERI), Mehsana has jointly established Siemens Centre of Excellence in "Industrial Instrumentation" at GPERI with the objectives of development of latest and open technology laboratories, skill up gradation of students & professionals, promote research & development and innovation for existing industries, promote industry-academia interfacing to improve technical education in line with industry requirements.

The Centre of Excellence is equipped with the latest design, manufacturing, simulation, automation and lifecycle management state of art industrial equipments and software. The centre also has latest Computerized Numerical Controller (CNC), Programmable Logic Controller (PLC), and Computer Integrated Manufacturing (CIM) comprising of CNC milling and turning machines, Automatic Guided Vehicle (AGV), Industrial Robots, CIM controllers and software etc. Siemens Industries Software (India) Pvt. Ltd has established 9 fully equipped laboratories with instructors trained and certified by Siemens. The centre is offering more than 60 courses on various area of industrial automation. Centre of Excellence is established in the area of 750 Sq. Mtr.



laboratories at CoE:

1. PRODUCT DESIGN & VALIDATION
2. ADVANCE MANUFACTURING
3. CNC PROGRAMMING/ MCMT
4. COMPUTER INTEGRATED MANUFACTURING
5. RAPID PROTOTYPING
6. AUTOMATION
7. ELECTRICAL
8. MECHATRONICS
9. PROCESS INSTRUMENTATION

Training & Placement Cell

The Training and Placement Cell is involved in various training and placements related activities for the pre final and graduating students of all departments in GPERI. The Cell along with the Faculty and Student coordinators provides the best possible assistance to the recruiters and also put their consummate efforts, extending from contacting companies to manage all logistics of arranging for tests, group discussion, pre-placement talks and personal interviews etc.

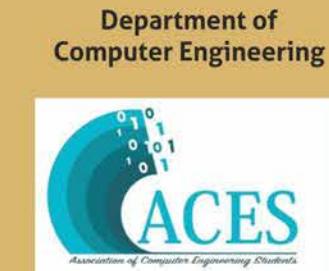
The T&P Cell provides career assistance, opportunities for foreign and higher education, internship programs, engineering projects, and also organizes Job Fair, campus interviews etc... The objective of the Placement Office is to facilitate the match between the skills, knowledge, and talents of students with the human resource requirements of industry for shaping the professional career of the students. The cell strongly emphasizes on the fact that the engineering graduates should have sound theoretical as well as practical knowledge of their discipline as well as basic information about other relevant disciplines.

Students Associations - Professional Bodies

GPERI has established four professional associations in respective departments for the B.E. undergraduate students. The objective of the professional bodies are to organize co-curricular activities like expert lectures, training program, workshops and seminars to enhance the technical skills of the students and the bridge the skill gap between academia and industry. The professional bodies are run BY the students, FOR the students.

Some of the major Objectives:

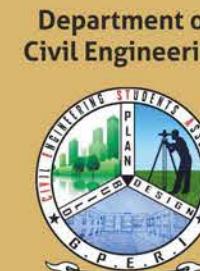
- To facilitate the academic and professional growth of the students
- To keep students well informed of their academic and professional opportunities
- To plan and organize the seminars and expert talks on various technical issues by eminent professionals, academicians, and technologists from various parts of the country and to arrange industrial visits



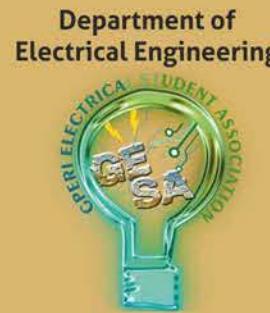
Association of
Computer Engineering Students
'ACES'



MechaWorks



CIVESTA



GESA



INFRASTRUCTURE & FACILITIES



State of the Art Class Rooms and Seminar Hall

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



Well Equipped Laboratories and Workshop

Hands-on-experiences are prerequisites for scientific and engineering education. The Institute has created a number of sector relevant engineering laboratories which are well equipped to facilitate the pedagogic and research process.

Computer Center

The institute has a 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

The GPERI library is well-known as "Readers Paradise", is the heart of the institute. It spreads over 450 sq. mtr and provides access to the best of Engineering and Technological resources. It has a collection of over 8200+ books, 32 current subscriptions to national/ international journals and 4 newspapers, 350 CDs and an extensive range of high quality electronic resources. The extensive library infrastructure includes Reading Room with 110 seating capacity, 10 internet enabled multimedia computers and services like Circulation, Printing, Scanning & Photocopy. Readers Paradise has an Organizational Membership of British Library which provides a wide range of UK based resources.

Canteen Facility

The canteen is situated within the college campus. It is open for all and there is a separate seating arrangement for staff, students and patients. All types of snacks, soft drinks, meals are available at subsidized rates.



Student Activities



Technical Events

GPERI regularly organizes extra-curricular activities such as training programs, seminar, workshop, competition for the students to inculcate team spirit. We also organize various technical events like Poster Presentation, Quiz, Robotics, Model Making etc. Students have won various state and national level model making competition.

Cultural Programs

GPERI organizes cultural program every year. The Students from the different departments enthusiastically perform on various cultural performances i.e. Western Dance, Folk Dance, Singing, Mime, Skits etc. They also participate and won various cultural events such as Solo Vocal, Music and Dance at state level.

Sports

The Institute has developed sports facilities which help students in their holistic development. The Institute has facility to play games like Football, Cricket, Basketball, Volleyball, Badminton, Carom and Chess. Students have participated and won prizes at the state level chess and cricket competition.



NSS (National Service Scheme)

NSS programme is organised by the students of GPERI themselves, and both students and teachers through their combined participation in community service, get involved in the tasks of nation building. It is a voluntary service where students will develop their personality through social service. NSS at GPERI is aimed at providing each student with a significant context in which he/she can reach a deeper understanding of social reality in India today. NSS encourages the meaning of the life through service in the realm of today's changing world. Through various events and community projects we help people in and around Mehsana. We share the belief that such activities are almost always means of great satisfaction and joy.

Eco Club

We know that we are an integral part of the Environment we live in and the solution to many environmental problems lie in our attitude towards environment. The best way to bring about a change in this attitude in society is through youngsters. In GPERI, Eco Club plays a very important role in creating environmental awareness amongst the future generation. Through various activities in club students develop the qualities of leadership, self-reliance and teamwork.

Faculty Development Program



Dr. Daudbhai Ghanchi

Dr. Daudbhai Ghanchi, ex-pro Vice Chancellor, HNGU is delivering an expert talk on the topic of "Achieving Excellence in Teaching-Learning Process", on Saturday, April 18, 2015.



Dr. P. G. Sastry

Dr. P.G. Sastry, eminent academician, and Director and Head, Training and Development, Ramky Group, Hyderabad is delivering a one day session on the topic of "Outcomes based Engineering Education" on May 20, 2016.



Dr. Jitendra Adhia

Dr. Jitendra Adhia, Corporate Trainer is delivering an expert talk for Students and Faculties on the topic of "Mind Power Training", on Wednesday, August 5, 2015.



Shri Kabir Thakore

Shri Kabit Thakore, a well-known name in the Gujarat Theatre circuit, Writer, Director & one of the most senior Mentors in Ahmedabad conducting workshop on "Body gestures and its impact on Teaching" on May 21, 2016.



Shri Himanshu Buch

Shri Himanshu Buch, Motivational Speaker and Trainer is delivering an excellent session on "Humour and Life", during Orientation Program on August 5, 2015.



Shri Rohit Patel

Shri Rohit Patel, Director, Symcom corporation, Ahmedabad delivering a one-day session on the topic of "Communication and Presentation Skills", on May 22, 2016.



Prof. Arvind Kudchadkar

Prof. Arvind Kudchadkar, Ex. Director General, PDPU, Gandhinagar is delivering an interactive session with faculty members on various topics like Teaching Learning process, including Preparation, Commitment, importance of training and experience, dialogue with students etc. on August 10, 2015.



Anand Bhatnagar

Shri Anand Bhatnagar, AVP HR Reliance Industries delivering a special session on the topic of "Love Language Challenge", on November 5th, 2016.

Faculty Development Program



Institute Achievements

GTU Pedagogical Innovation Award 2014

Gujarat Power Engineering and Research Institute has been awarded with "GTU Pedagogical Innovation Award 2014" from Hon. Vice Chancellor, GTU under the category of ICT based Learning Management System. The institute has played a vital role in implementing e-learning system using, NPTEL, V-Lab, Spoken Tutorials, MOODEL and MOOCs inside the campus.

Memorandum of Understanding (MoU)

GPERI has also signed Memorandum of Understanding (MoU) with Gujarat Power Corporation Limited, (GPCL) and Gujarat Institute of Solar Energy, (GISE) and Pandit Deendayal Petroleum University (PDPU) to work under collaboration model, to build excellent professionalism in engineering education, resource sharing and exchange programs in context of manpower, vocational training, workshop, laboratories, library etc...

- First Public Private Partnership (PPP) Mode Engineering College of Gujarat State
- Beautiful lush green campus spread in 25 Acres of land
- Winner of "GTU Pedagogical Innovation Award - 2014"
- State-of-art Laboratories with Modern Equipments
- State of art Siemens Centre of Excellence in "Industrial Automation"
- High Speed Internet with Wi-Fi on Campus
- Bus Transportation Facility with nominal rates
- Training Placement Cell with Excellent Placement Record
- Hygienic Cafeteria

Salient Features