

GOVERNMENT ENGINEERING COLLEGE MODASA



INFORMATION BROCHURE -2019 & ANNUAL ACTIVITY REPORT (2018-19)

Governed by :

Commissionerate of Technical Education, Government of Gujarat

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ABOUT INSTITUTE



Government Engineering College, Modasa was established in 1984 under the Directorate of Technical Education, Gujarat State, Gandhinagar in North Gujarat region with a view to spread out technical education in the region and hence promote industrial development. The institute was affiliated with Hemchandracharya North Gujarat University (HNGU), Patan from 1984 to 2007. The institute is affiliated to Gujarat Technological University, Ahmedabad from 2008. It is recognized by All India Council for Technical Education (AICTE), New Delhi.

The institute was started with two undergraduate courses, with an intake of 60 each. At present it runs seven undergraduate courses and two postgraduate courses. Each department has well established laboratories, computer centers and well qualified staff.

The institute is situated at a distance of about 100 km. towards the North of Ahmedabad on Modasa-Shamalaji State Highway on the outskirts of Modasa town, the district Headquarter of Aravalli district. The college is connected by state and national highway with Ahmedabad, Himmatnagar, Baroda and Udaipur. The campus is spread over more than 45.4 Hectares of land having natural aesthetics and topographical surroundings.





Message from the Principal's desk

Dear Students,

Hearty congratulations to you for becoming a part of the Engineering fraternity at this reputed institute. It gives me immense pleasure to welcome you here. Today, the world of Engineering is becoming more and more exciting through many new avenues open in the field of Artificial Intelligence, Machine Learning, Virtual Reality, Robotics etc. Computer is proved to be an inevitable tool in almost all branches of Education in general and Engineering in particular.

Due to expansion of Engineering Education in the last decade, now everybody can dream to be an engineer. But quality and employability of Engineering graduates has raised a lot of debates among the industrialists. Government has started various missions like Make in India, Digital India, Skill India, Start up India to combat the problem of employability of Engineering graduates.

This institute provides all sorts of facility to grow yourself and realize your dream to be an engineer or entrepreneur. Qualified and dedicated faculties along with good infrastructure facility are the strength of the institute. State of the art teaching-learning methods are used in all classes. Extra-curricular activities are conducted during the entire year for the overall development of the students. All the faculty and staff are student friendly and always eager to help in your problems. The team GEC, Modasa puts all efforts to place the institute to the next level of success. Students are requested to take the maximum benefit of the knowledge available in the campus.

This Annual report is the barometer of the institute. It gives all information that is useful to the newly admitted students and also brief you about various academic and extra-curricular activities conducted in the past year. Lot of efforts has been put by Dr. J. R Iyer, Associate Professor and Head of Electrical Department, along with her team to give shape to this report. I acknowledge the effort made by the team who helped in collecting details.

At last, I wish all the best to all newly admitted students. These four years are very important part of your life. Don't waste even a single minute. Do hard work. I assure you that the four year stay at this campus shall be comfortable, memorable and fruitful by enriching knowledge and skill sets that are required as per your course.

Best wishes.

Date : 15-07-2019

Prof.(Dr.) B. J. Shah

Principal,

Govt. Engg. College, Modasa

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VISION & MISSION

VISION

To be a Leading Institution Ensuring Academic Excellence, Research, Nurturing Innovation and Entrepreneurial Attitude to produce competent technocrats for service to Nation.

MISSION

- To be a student centric institute imbibing experiential, innovative and lifelong learning skills, addressing societal problems.
- To create a conducive ecosystem for research, innovation and extension services.
- To inculcate entrepreneurial attitude and values amongst learners.
- To collaborate with Industries and other institutions to strengthen symbiotic relations.
- To mentor aspiring Institutions to unleash their potential, towards nation building.



COURSES OFFERED

UNDER GRADUATE COURSES

Program	Commencement Year	Present Intake	Course Code as per (GTU)
Automobile Engineering	2008	150	02
Civil Engineering	1984	150	06
Computer Engineering	2001	150	07
Electrical Engineering	1984	150	09
Electronics and Communication	1991	150	11
Information and Technology	1999	150	16
Mechanical Engineering	1989	150	19
TOTAL		1050	

POST GRADUATE COURSES

Program	Commencement Year	Present Intake	Course Code as per (GTU)
Transportation Engineering	2010	23	13
Computer Engg. (Software Engg.)	2010	23	02
TOTAL		46	

Additional lateral entry of diploma students into 3rd semester amounts to 10 % of the original intake.

CIVIL DEPARTMENT

Civil Engineering is one of the broadest and oldest branches of Engineering. Civil Engineering department is housed in the main building of the college. Department has well-equipped laboratories to cater to practical knowledge. The department is having well experienced and qualified faculty to support the students. Civil Engineering includes planning, designing and supervising the construction projects in the area of buildings, bridges, highways, dams, airports, water supply system, wastewater treatment plants and offshore structures. Civil Engineers have vast opportunity of employment in all the major construction projects carried out by the Government and private sector. Civil engineers require technical, administrative, supervisory and managerial skill with effective communication.



FACULTY & STAFF

Name	Designation	Qualification
Prof. G.B.Modha	Associate Prof. & Head	M.E.
Prof. H. K. Dave	Associate Prof.	M.E.
Prof. B. R. Shah	Associate Prof.	M.E.
Dr. N. G. Raval	Associate Prof.	Ph.D.
Prof. S. K. Jha	Assistant Prof.	M.E.
Prof. H.B. Thakar	Assistant Prof.	M.E.
Prof.J.K.Sathawara	Assistant Prof.	M.E.
Prof.D.H.Chaudhari	Assistant Prof.	M.E.
Prof.H.K. Sharma	Assistant Prof.	M.E.
Prof.J.P. Pandya	Assistant Prof.	M.E.
Shri A.H. Gohil	Curator	
Shri B.B. Vansh	Lab. Assistant	
Shri R.K. Solanki	Hamal	

LABORATORIES

Surveying Laboratory provides practical knowledge regarding measuring instruments for distance, vertical and horizontal angles, and elevation by performing leveling and transverse surveys and for applying corrections to geodetic observations. The major equipments in this laboratory include Total station, Theodolite, Dumpy level, Chains/Tapes, Plane Table and accessories.



Environmental Engineering deals with practicals to assess the pollutants of water and air, to assess noise level, monitor the level and type of air and water pollutants. The laboratory is equipped with the latest environmental equipments for evaluating water, noise and air pollution load, BOD, COD etc. with the equipments like BOD Testing Machine, Multi parameter Testing Machine, and Turbidity meter.



Transportation Engineering Laboratory is well equipped with Highway material testing equipments. The major equipments in the laboratory include, Crushing Value apparatus, Los Angeles Abrasion Test, Aggregate impact value apparatus, Universal Penetrometer, Ductility testing machine, Flash & Fire point apparatus, Ring & Ball apparatus, Stripping Test apparatus etc.



Fluid Mechanics Laboratory:

Deals with practical knowledge and application of principles in collection, storage, control, transport, regulation, measurement and use of water by engaging with different flow measuring set-ups such as venturimeter, orifice-plate, pitot tube, rotameter etc., where students can visualize the basic theory.





Applied Mechanics Department is a vital offshoot of Civil Engineering program. Applied Mechanics can be defined as the practical application of the behavior of physical science that deals with the bodies in state of rest or motion when subjected to forces or displacements and the subsequent effects of the bodies on their environment. All engineering disciplines directly or indirectly rely on applied mechanics. Applied Mechanics Engineers have quite a wide horizon as far as job opportunities are concerned. They may land up with core civil jobs or If they go for further studies, can get into specialized applied mechanics jobs. All in all there lie plenty of opportunities in this field of engineering ranging from basic civil jobs to advanced and multifaceted jobs.

FACULTY & STAFF

Name	Designation	Qualification
Prof. Binita A. Vyas	Associate Professor & Head	M.E.
Prof. D.A. Sagar	Assistant Professor	M.E.
Prof. Ankit J. Patel	Assistant Professor	M.Tech
Prof. Murad M. Bhunga	Assistant Professor	M.E.
Prof. Falak Y. Parikh	Assistant Professor	M.E.
Prof. Mo. Usama Fareedwala	Assistant Professor	M.E.
Prof. Dinesh B. Sathavara	Assistant Professor	M.E.

LABORATORIES

Geotechnical Engineering Laboratory

Soil Testing is an integral part of soil mechanics and foundation engineering. A proper evaluation of soil samples and analysis of test results are essential for students and practicing Civil Engineers. Tri-axial Testing machine, Direct Shear testing machine, Unconfined compression testing machine, consistency limit testing machines available in the laboratory.



Earthquake Engineering Lab

Several major facilities have been developed in the Department to conduct experiments related to Earthquake Engineering. Some of the major facilities include: a low cost shake table for dynamic testing of structural models like pounding effect, mode shapes, spring mass system, re-entrant corners, building model with active and passive damper devices.



Mechanics of Solid Laboratory

The objective of the laboratory is to demonstrate the basic principles in the area of engineering mechanics and strength of materials to the undergraduate students through a series of experiments. In this lab the experiments are performed based on basic engineering to measure the properties of the materials such as impact strength, tensile strength, compressive strength, hardness, ductility etc.



Concrete Technology

The testing and inspection of concrete making materials like cement and aggregates are important elements in obtaining quality construction. The laboratory allows the students to perform tests on the materials and also to assess the properties of various fresh and hardened concrete properties. The apparatus and machines available at the concrete technology laboratory are Sieve Shaker, Compressive testing machine, Flexural Testing Machine, Apparatus for work ability measurement, etc.

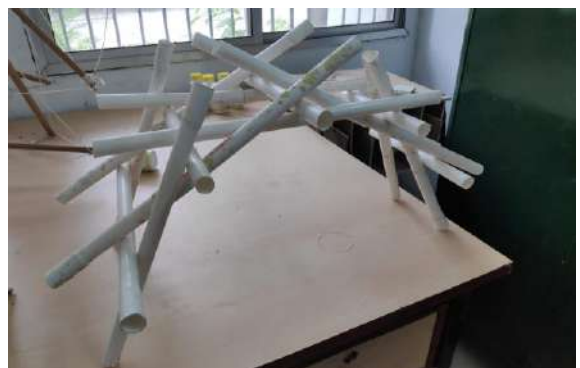


Structural Engineering Lab-Structural Analysis experiments help to know the practical behavior of the physical structures like beams, different arches, roof truss etc. A proper structural analysis of these structures helps the students to solve the practical problems. Different structural apparatus like Two-Hinge Arch, Three- Hinge Arch, Simply Supported Beam, Pin Joint Truss are available in the laboratory.



Models

The model sets the stage for long-term sustainability amongst the students, and gives in depth knowledge and understanding. There is a collection of different type of subject based models prepared by students themselves year by year. There are many models available like RCC structure and its elements, Steel structures and its elements etc.



MECHANICAL AND AUTOMOBILE ENGINEERING DEPARTMENT

Mechanical Engineering Department was established since inception of the institute and is considered as one of the concrete pillars of Government Engineering College, Modasa. The department offers Bachelor of Engineering in Mechanical with an intake capacity of 120 students. The department has highly qualified faculty members and all the laboratories are equipped with latest technology equipments/instruments. The department provides teaching in the area of thermodynamics, fluid mechanics, fluid power engineering, heat transfer, refrigeration and air conditioning, design and dynamics of mechanical systems etc. department of mechanical engineering has a vision to prepare determined, innovative, inventive, self-esteemed and goal oriented mechanical engineers with good technical knowledge, proper analytical and communication skill.

Institute has started Automobile engineering program in 2008. This department imparts the necessary and advanced knowledge of Automobile Engineering which is demanded by an Industry. The department has highly qualified faculty members and various laboratories equipped with latest technology equipments/instruments.

Department of Mechanical and Automobile Engineering emphasize on developing technical skills and creating awareness about needs of industries through industry institute interaction, technical seminars, workshops and technical training etc. Students are encouraged to think innovatively through project works related to mechanical engineering by providing all kind of support for overall personality development.



FACULTY & STAFF

Automobile Department:

Name	Designation	Qualification
Dr. U. V. Shah	Associate Professor and Head	Ph.D.
Prof. K.V. Vaghela	Assistant Professor	M.E.
Prof. K.V. Fadadu	Assistant Professor	B.E.
Prof. P.P. Shah	Assistant Professor	B.E.
Prof. D. A. Chaudhari	Assistant Professor	B.E.
Mr. H. M. Vankar	Lab Assistant	

MECHANICAL WORKSHOP

Mechanical Workshop building strengthens the department to achieve its vision and missions. This building has many facilities where students can apply their cognitive skills and develop new skills. Mechanical workshop has facilities like Lathes, milling machine, drilling machines, shaper machines etc upon which students in team performs various machining processes. Workshop building envelopes some advance technology like CNC machine, advance turning machines, computerized engine test setup etc. Overall, Mechanical workshop pumps the enthusiasm in the students hearts and provides a platform for their development.



FACULTY & STAFF

Mechanical Department:

Name	Designation	Qualification	Name	Designation	Qualification
Dr. U. V. Shah	Associate Professor & Head	Ph.D.	Prof. H. I. Chaudhari	Assistant Professor	M.E.
Prof. N. V. Bora	Associate Professor	M.E.	Prof. J. C. Gamit	Assistant Professor	M.E.
Dr. M. I. Vyas	Associate Professor	Ph.D.	Prof. Y. M. Bhoya	Assistant Professor	M.E.
Prof. S. P. Patel	Associate Professor	M.E.	Prof. R. B. Gadhavi	Assistant Professor	B.E.
Dr. B. C. Khatri	Associate Professor	Ph.D.	Prof. R. N. Bodar	Assistant Professor	B.E.
Prof. K. P. Prajapati	Assistant Professor	M.E.	Prof. A. R. Patel	Assistant Professor	B.E.
Prof. R. B. Shah	Assistant Professor	M.E.	Prof. S. A. Bhatia	Assistant Professor	B.E.
Prof. J. M. Joshi	Assistant Professor	M.E.	Prof. J. R. Bhavsar	Assistant Professor	B.E.
Prof. M. J. Vanajara	Assistant Professor	M.E.	Prof. D. N. Patel	Assistant Professor	M.E.
Prof. P. R. Parekh	Assistant Professor	M.E.	Prof. S. L. Ganchi	Assistant Professor	M.E.
Prof. P. R. Panchal	Assistant Professor	M.E.	Mr. V. A. Bhavsar	Instructor Turner	
Prof. K. S. Banker	Assistant Professor	M.E.	Mr. I. R. Kalasva	Instructor Fitter	
Prof. P. K. Gajjar	Assistant Professor	M.E.	Mrs. Y. A. Kazi	Lab Assistant	
Prof. P. M. Mistri	Assistant Professor	M.E.	Mr. A. A. Patel	Instructor	
Prof. H. R. Prajapati	Assistant Professor	M.E.	Mr. N. N. Solanki	Hamal	
Prof. M. G. Patel	Assistant Professor	M.E.			

Fluid Mechanics and Fluid Power Engineering Lab:

This laboratory is equipped with all modern turbo machines and fundamental test set up like pumps, fans, Pelton wheel turbine test set up, Francis turbine test rig, Centrifugal pump test rig, Reciprocating pump test rig, test set up for impact etc. These equipment's provide a detailed knowledge to the students to understand various fluid properties.



Refrigeration and Air Conditioning Lab:

This laboratory houses the vapour compression refrigeration system, air conditioning, heat pump set up, refrigerator to determine the most crucial performance parameters of RAC devices. This lab plays a very important role to understand various refrigeration cycles used in domestic as well as industrial purpose.



CAD/CAM Lab:

This laboratory emphasizes on computer aided design and manufacturing, quality control and measurement too. It also provides various activities in non conventional manufacturing, flexible manufacturing system and automation. This lab is equipped with CNC turning centre, 5 axis robot and other equipment's required as per syllabus.



Workshop and Machine Shop Lab:

Workshop has various facilities like Machine shop, Carpentry shop, Fitting shop, Welding shop, Smithy shop, Plumbing shop, Foundry shop etc. to cater to hands on experience for the students. For manufacturing process, this workshop has a more no of lathe machine, drilling machine, shaper machine, shearing machine etc for understanding the working of various production machine.



Internal Combustion Engine Lab:

This laboratory is equipped with modern instruments like modern internal combustion engine test rig, diesel smoke meter, variable compression ratio engine test rig, five gas exhaust gas analyzer etc. In this lab, performance optimization of engine parameters like power, fuel consumption and emissions etc are being taught to the students.



Automobile Electrical and Electronics Lab:

This laboratory comprises instruments like electrical equipment board, auto scanner and diagnostic tool, cut sections of electrical instruments etc. Students are taught to identify and resolve the electrical and electronics faults in the vehicles.



Automobile engineering Lab :

This lab is facilitated by demonstrative instruments like disc brake model, multiple clutch model, cut section of carburetor, Diesel jeep of Mahindra & Mahindra, computerized wheel balancer, garage instruments, cut section of steering mechanism etc.



Automobile Workshop:

Automobile workshop has hands on experimental setup like machine shop, vehicle maintenance facility, wheel alignment checking and vehicle air condition recovery and recharging facility. Various maintenance procedures of different vehicle components, automobile garage practice skill etc are demonstrated to the students.



ELECTRICAL ENGINEERING DEPARTMENT

Electrical Engineering is a discipline which deals with visualization, conceptualization, design, analysis, development, operation and maintenance of Electrical systems and their components to ensure quality, safety, reliability and sustainability. The ways of utilizing Electrical power supply, operating Electrical machines and controlling it through Power Electronics is an integral part of Electrical Engineering.

The mission of the department is to impart high quality education, to imbibe the spirit of innovation and entrepreneurship among the students and thereby produce comprehensive Electrical Engineers to meet the changing needs of the industry and society at large. It is committed to enhance technical proficiency along with moral values.

The faculty line up is well qualified with a blend of experience and fresh talent. The department has well established, well equipped separate laboratory facilities. There is provision of a departmental library to enable the students to make optimum use of the resources.



FACULTY & STAFF

Name	Designation	Qualification
Dr. J.R.Iyer	Associate Professor & Head	Ph.D.
Prof. M.J.Patel	Associate Professor	M.E.
Dr. H.D.Mehta	Associate Professor	Ph.D.
Prof. N.V.Upadhyay	Assistant Professor	M.E.
Prof. K.K.Bhatt	Assistant Professor	M.Tech.
Prof.M.N.Priyadarshi	Assistant Professor	M.Tech.
Prof. T.A.Chaudhari	Assistant Professor	M.E.
Prof. C.K.Bariya	Assistant Professor	M.E.
Prof. R.K.Kapadia	Assistant Professor	M.E.
Prof. N.B.Panchal	Assistant Professor	M.E.
Prof. S.V.Banker	Assistant Professor	M.E.
Prof. D.U.Thakar	Assistant Professor	M.Tech.
Dr. H.S.Pandya	Assistant Professor	Ph.D.
Prof. G.P.Rathod	Assistant Professor	B.E.
Prof. K.G.Kharadi	Assistant Professor	B.E.
Prof. P.K.Patel	Assistant Professor	M.E.
Shri S.K.Panchal	Electrician	
Shri. S.J.Patel	Electrician	
Shri A.K.Bhangi	Hamal	

LABORATORIES

Electrical Machine Laboratory- This lab consists of equipments like D.C. Machines, Transformers, Synchronous machines, Induction Motors etc. It provides an educational platform to the students wherein they can visualize the theoretical concepts being implemented. The students can not only understand the principle and operation of working of the machines but can also explore their performance characteristics.



Measurement & Instrumentation Laboratory- This lab is equipped with various measuring instruments and transducers like Linear Variable differential transformer(LVDT), Thermocouple, Resistance strain gauge, Resistance Temperature Detector, Various Bridges etc. The students can understand the fundamentals of various measuring instruments, their principles of operation and working.



High Voltage Laboratory- In this lab, the students can access and familiarize themselves with operations of the high voltage equipments like impulse generator, oil testing kit, horn gap arrester, solid insulation high voltage tester etc. The students are made aware of appropriate precautions to be taken while handling equipments in a high voltage laboratory.



Basic Electrical Engineering Laboratory- This laboratory enables the newly admitted students to understand the fundamental concepts of Electrical Engineering. Students get an idea about the functioning of basic electrical equipments, domestic and staircase wiring procedures, MCB's ELCB's etc. The practical exposure helps develop skills in these freshers which they will require in the years to come.



Embedded Systems Laboratory- This laboratory provides a medium to the students wherein they can understand the components like microprocessor, microcontroller etc. that constitute an embedded system. They can become familiar with the tools used to develop an embedded environment. They are able to implement small programs to solve well defined problems.



ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

The department of Electronics & Communication was established in the year 1984. It is one of the oldest branches of G.E.C. Modasa. It offers four year course in Electronics and Communication with an intake of 150.

The department was established with the mission to deliver technical programs and services to meet the changing needs of the society and industry, thereby contribute to over all techno-economical development of the state. It is persistently committed to enhance technical knowledge with high ethical values.

This department is accommodated in building No. 4. It has laboratories in thrust areas of Analog and Digital Electronics, Communications, Antenna, Microwave, VLSI Design and Signal Processing. The department has a Computer Center with latest computing facilities. All labs are well equipped with latest equipments to keep the students in tune with the advancement in the field of Electronics & Communication. The department is also equipped with full fledged departmental library.



FACULTY & STAFF

Name	Designation	Qualification
Dr. H. D. Mehta	Associate Professor & Head	Ph.D.
Prof. N. D. Patel	Assistant Professor	M.Tech.
Prof. N. J. Bathani	Assistant Professor	M.E.
Prof. K.R.Patel	Assistant Professor	M.E.
Prof. H.L.Desai	Assistant Professor	M.Tech.
Prof. B.A.Brahmbhatt	Assistant Professor	M.E.
Prof. S.H.Mansuri	Assistant Professor	M.Tech.
Prof. P.V.Patel	Assistant Professor	M.E.
Prof. J.J.Solanki	Assistant Professor	M.E.
Prof. K.A.Patel	Assistant Professor	M.E.
Shri J.N.Patel	Instructor	
Shri M. G. Kazi	Lab Assistant	
Shri D. C. Asari	Peon	

LABORATORIES

Analog Electronics and Digital Electronics Laboratory provides a platform to the students to understand the behavior of the circuits related to Analog and Digital Electronics. The laboratory is equipped with different experimental set-ups like Lab Station, digital trainer kits provided to the students to do hands on for observing the response of the circuits and to carry out the testing of these circuits.



VLSI and Embedded Systems Laboratory:

It provides a platform to the students to understand the architecture and interfacing of microprocessor, microcontroller, Field Programmable Gate Array (FPGA) and Complex Programmable Logic Device (CPLD). There are different experimental set-ups in the laboratory. Facility is provided to the students to do hands on for testing their programming codes.



Signal Processing Laboratory:

It takes care of the understanding and hands on training of various signal processing techniques and algorithms. It provides ample opportunity to the students to understand projects involving signal processing techniques such as sampling and quantizing trainer kits. Students are encouraged to develop algorithms and implement both in MATLAB and DSP Processors. This laboratory also facilitates students to carry out minor and major projects in the area of Signal Processing



Digital Communication Laboratory:

It deals with the analysis and manipulation of signals. The equipments like Digital Storage Oscilloscope (DSO), Lab Station Amplitude, frequency and phase shift keying Trainer Kits and modulation kits for mobile communication, AM-FM Modulation-Demodulation kits are available in this laboratory.



Department Alumni Portal Link: <https://sites.google.com/view/alumniportalecdeptgecm/home>

QR code for website

COMPUTER ENGINEERING / INFORMATION TECHNOLOGY DEPARTMENT

Computer & IT department runs in a newly constructed and well furnished building (Academic block 5, Building number 8). Main strength of the department is highly qualified and well experienced faculty. In addition to this, department is well equipped with sufficient number of computer systems, networking of more than 250 nodes, WI-FI, INTERNET and required software and hardware resources. There are well designed faculty cabins with required furniture. Department has 4 water coolers with RO system for good quality of drinking water for the students and faculty.



FACULTY & STAFF

Computer Engineering Dept

Name	Designation	Qualification
Prof. M.B.Chaudhari	Professor & Head	M.E.
Dr. M.M.Goyani	Assistant Professor	Ph.D.
Prof. A.K.Dodiya	Assistant Professor	M.E.
Prof. R.J.Prajapati	Assistant Professor	M.E.
Prof. J.M.Shroff	Assistant Professor	M.E.
Prof. S.G.Patel	Assistant Professor	M.E.
Prof. J.B.Baria	Assistant Professor	M.E.
Prof. P.R.Gamit	Assistant Professor	M.E.
Prof. Y.R.Vaghela	Assistant Professor	M.E.
Prof. V.D.Baria	Assistant Professor	M.E.
Prof. U.G.Damor	Assistant Professor	M.E.
Prof. R.K.Patel	Assistant Professor	M.E.
Prof. H.G.Patel	Assistant Professor	M.E.
Prof. N.S.Patel	Assistant Professor	M.E.
Prof. V.V.Nayak	Assistant Professor	B.E.

Information Technology

Name	Designation	Qualification
Prof. H.R.Patel	Assistant Professor	M.E.
Prof. K.K.Jani	Assistant Professor	M.E.
Prof. V.A.Rathod	Assistant Professor	M.E.
Prof. S.A.Chauhan	Assistant Professor	M.E.
Prof. C.G.Chand	Assistant Professor	M.E.
Prof. O.P.Mehta	Assistant Professor	M.Tech
Prof. N.N.Maltare	Assistant Professor	M.E.
Prof. M.C.Zala	Assistant Professor	M.E.
Prof. A.D.Chaudhary	Assistant Professor	M.E.
Prof. P.S.Modi	Assistant Professor	M.Tech
Prof. A.A.Prajapati	Assistant Professor	M.E.
Prof. J.J.Patel	Assistant Professor	B.E.

SERVER ROOM

The department maintains campus wide networking and INTERNET facility of the institute. There is an INTERNET line provided by NKN (National Knowledge Network) with speed up to 100 MBPS. Server room contains high end servers, UPS, routers and switches.



CLASS ROOMS

There are total 8 classrooms, 2 tutorial rooms, and 2 seminar rooms in the department. All classrooms are spacious and with proper lightning. Each seminar room is equipped with ACs and provision of projector. Each seminar room has seating capacity of approximately 120 persons.



Laboratories

There are total 10 laboratories in the department for performing practical in various domains like Computer Programming, Computer Graphics, Networking, Database Management, Operating Systems, Artificial Intelligence, etc. Department has separate laboratory for computer hardware subjects.



SCIENCE & HUMANITIES DEPARTMENT

Science and Humanities Department imparts education on basics and fundamental theories of engineering i.e. Physics and Mathematics. Physics laboratory which provides basic knowledge of science and develops scientific acumen among students includes experiments like Hall effect, Four Probe resistivity meter, Ultrasonic velocity meter, Hysteresis curve tracer etc. English language is taught through language laboratory and various other co-curricular activities. The laboratory has a rich collection of BBC documentaries based on science and engineering. The department consists of highly qualified and well experienced faculty.



FACULTY & STAFF

Name	Designation	Qualification
Prof. B.A. Vyas	Associate Professor & HEAD	M.E
Prof. L.S. Narsingani	Assistant Professor (Maths)	M.Sc.
Dr. G.C. Panchal	Assistant Professor (Maths)	Ph.D.
Dr. D.J. Prajapati	Assistant Professor (Maths)	Ph.D.
Dr. D.H.Sahay	Assistant Professor (Physics)	Ph.D.
Prof. R.P.Khatri	Assistant Professor (Physics)	M.Phil
Prof. G.N. Limbad	Assistant Professor (English)	M.Phil MA
Prof. D.J. Bhayani	Assistant Professor (English)	M.A

COLLEGE CAMPUS & FACILITIES

- **Seminar Room:**

Each Department has its own seminar room equipped with audio visual aid.

- **Computer Facility:**

Each Department has its own computer center with net connectivity of 100 MBPS leased line of NKN for internet and all centers are connected with internet facility.

- **CCTV surveillance system:**

Campus is secured with 55 CCTV cameras connected with central monitoring system to monitor the class room activities from principal office and from DTE office.

- **Video Conferencing System:**

College is connected with video conferencing system of DTE office, Gandhinagar.

- **Gymkhana:**

Gymkhana building houses canteen, table tennis room, tennis court etc. The college campus also has large open ground for outdoor sports activities.

- **Student section:**

Student section looks after admission, registration of students, scholarships, concession, identity card, transcript and bonafide certificates, character certificates etc.



GYMKHANA



LIBRARY

Library- The college Library is located in LRC Building. It is rich in its capacity having a total of 22,262 Books. Every year new books are purchased to enrich the collection of the library and to keep the readers abreast with latest knowledge. Journals, periodicals and proceeding of various disciplines are a regular feature of the library. Latest collection of reference books, handbooks, encyclopedia and Indian standards are also a part of the library. It has a large well furnished space for reading and reference.

HOSTEL & MESS FACILITY



Hostel Campus consists of four independent blocks having total capacity of accommodating 444 students (Boys only) with mess and other necessary amenities. There is another hostel under construction in the campus which can house another 400 students.

IMPORTANT CELLS

Cell	Designation	Name of Officer
Gymkhana, NCC, NSS	Vice president	Dr. U.V.Shah
Anti Ragging Cell	Coordinator	Dr. U.V.Shah
Women Development Cell	Coordinator	Prof. N.V.Bora
Internal Grievance & Sexual Harassment Redressal Cell	Coordinator	Dr. J.R.Iyer
GTU Cell (Room NO.:1239)	Coordinator	Prof. B.R.Shah
	Co- Coordinator	Prof. N.J.Bathani
Training and Placement Cell	Coordinator	Dr. M.M.Goyani
	Co- Coordinator	Prof. P.M.Mistry
RTI Cell	Coordinator	Prof. G.B.Modha
	Co- Coordinator	Prof. R.P.Khatri
Student Section	Coordinator	Dr. M.I.Vyas
	Co- Coordinator	Prof. P.R.Parekh
	Sr. Clerk	Shri. B.B.Pagi
	Jr. Clerk	Shri. D.P.Parmar
Library	Coordinator	Prof. S.P.Patel
	Co- Coordinator	Prof. N.V.Upadhyay
Hostel Rector and Worden	Rector	Dr. N.G.Raval
	Warden Block – A	Prof. P.B.Gamit
	Warden Block – B	Prof. T.A.Chaudhary
	Warden Block – C	Prof. P.V.Patel
	Warden Block – D	Prof. L.S.Narsingani
Account Section In-Charge	Coordinator	Prof. G.B. Modha
	Cashier	Shri. A.L.Kharadi
Establishment Section	Office Superintendent	Shri. R.L.Patel
Student Scholarship	Coordinator	Dr. M.I.Vyas
	Co- Coordinator	Prof. A.K.Dodiya
Mentor International Students -ICSR	Coordinator	Dr. B.C.Khatri
	Co- Coordinator	Prof. K.V.Vaghela

IMPORTANT CONTACT NUMBERS

Office Name	Helpline/Contact Number
Police Fire Brigade Ambulance Ambulance (emergency)	100
Women harassment	101
Blood bank	102
Mukhyamantri Amrutam Yojna helpline number	108
Child line Service	181
Traffic Control	191
Railway Helpline Number	018002331022
Complain against corruption	10981031391064/180023344444
Cyber Crime Complaint Number	18005999010
Consumer Complain Helpline Number	18002330222
Rashtriya Swasthya Bima Yojana Helpline Number	18002331021
RTI (Right To Information) Helpline Number	9924085000
Aadhar Card Helpline Number	18003131947
Meteorological Centre Helpline Number	18001801717
Passport Service Helpline Number	18002581800
Food safety Department (FSSAI) Helpline Number	1800112100

1. Gujarat Technological University, Ahmedabad- <https://www.gtu.ac.in/> (CONTACT: 079-263011500)
2. Public Health Center, Modasa 02774-246526
3. Post Office, Modasa 02774-246481
4. Department of Technical Education, Gandhinagar <https://dte.gujarat.gov.in/>

LIST OF HOSPITALS

- 1 AIMS Hospital, Aravalli Institute of Medical Sciences
Modasa Bypass Road, Modasa, Gujarat 383315
Contact Details : 084878 49192
- 2 Unity Hospital
Modasa Bypass Road, Modasa, Gujarat 383315
Contact Details : 095122 38999
- 3 Dr.Rasiklal Shah Sarvajani Hospital
Nr. Nandanvan Society, Kumbharvada, Modasa, Gujarat 383315
Contact Details : 02774 247 468
- 4 The Ghanchi Arogya Mandal, Modasa
Naval Pur Society, Modasa, Gujarat 383315
Contact Details : 02274-242341 / 9898879418
- 5 Sanjivani Hospital
Shamlaji Road, Behind Riverside Complex, Modasa, Gujarat 383315
Contact Details : 094274 27108

COLLEGE ACTIVITIES AND EVENTS

Orientation program



The orientation of newly admitted first year students was held on 19th July, 2018 individually in respective departments. The students were given information about the working of the college and University. They were taken around the college campus and made aware of locations of different departments and the laboratories in these departments. A booklet with details of the college, courses offered, intake, activities and annual report of the college was circulated to all the students.

Institute Induction Program



As a part of GTU's prescribed curriculum program the institute offered an Institute Induction Program (SIP) to the first year students from 18-07-2018 to 08-08-2018. As part of this program, the students were given exposure to several indoor and outdoor sports and games for development of their physical and mental strength. The aim was to inculcate team building skills in the students. The students were also put to other outdoor activities like gardening, tree plantation and "Shramdan" to understand sense of responsibility towards the environment.

Creative Arts

To enhance the creativity of the students each department arranged creative arts activities so as to come out with the real talent in the students. Activities like story retelling, in-house discussion on general engineering and social causes, clubbed with painting, music, singing, crafts and drama activities were conducted.

Building up Human Values



All the students were mentored with the basics of Universal Human Values. The basic idea behind this was to help them expand their capacity to know their real identity and responsibility. Activities like role playing, group work, pair work, life skills as well as Human skills required in an engineer were portrayed.

Literary work-

Under the literary component, students of each branch were made to undergo various practical tasks to enhance their digital skills in general and technical skills in particular like net banking, use of Internet for daily life, use of smart phone to empower technical skills, reading and analysing newspapers articles etc.



English Proficiency module-

This component included sessions for proficiency in English and Soft skills so as to enrich the overall English Language skills and thus overcome the language barrier and build self confidence in the students.



Expert lectures by eminent personalities

Various expert lectures by eminent people from industries and academic areas were arranged in each department. This was a dose of motivation for the students.



Visit to nearby industries and villages

The students of various branches visited nearby local areas of Modasa and various industries. This was done to make them aware about their responsibilities towards the society in general and their profession in particular. Approximately 650 students visited more than six villages.



International Yoga Day-

International Yoga Day was celebrated on 21st June, 2018. Yoga Gurus, Dr. Dipti Upadhyay and Lataben Panchal made the faculty, staff and students perform Yogasanas in the correct perspective. About 300 faculty and students participated in the program.



Blood Donation Camp

A blood donation camp in association with Red Cross Society of India was held on 19th Feb., 2019 in which 164 bottles of blood were collected. Thalassemia testing was done for the first year students. 409 students took this test.



Independence day celebration

Independence day was celebrated by conducting a craft competition on 13th August and a Quiz competition on 14th August. On 15th August, around 450 students along with faculty members participated in the flag hoisting program which was followed by a parade. Principal, Dr. A.M Prabhakar, addressed the gathering. Dance, drama and patriotic songs by students added patriotic fervor to the celebration.



AIDS Awareness program

To generate awareness among the youth about HIV related diseases and Tuberculosis (TB), Mr. Jay Kadiya from Civil Hospital, Modasa, Mr. Jogendra Upadhyay from Gujarat Aids Awareness and Prevention Unit (GAP) and Ms. Nilam Parmar were called for generating awareness. Around 250 students of 1st Semester participated in the program.



Sardar Patel Jayanti

Sardar Patel Jayanti was celebrated on 30th Oct. 2018 to commemorate the birth anniversary celebration of Shri Sardar Vallabhbhai Patel. A prayer followed by an inspirational speech by Principal Dr.A.M.Prabhakar, a video on the life of Sardar Patel, pledge taking and a book reading competition were held as part of the celebration.



Tribute To Pulwama Attack Jawans

As a mark of respect to the jawans who laid down their lives in the Pulwama attack on 14th Feb. 2019, the students and faculty of Govt. Engg. College Modasa observed a two minute silence and lit candles on 18th Feb. 2019 to express their solidarity



World Environment Day

World Environment day was celebrated on 5th June, 2019. On this occasion, the institute faculty along with social deforestation division, expansion range Modasa conducted a cleanliness drive and planted saplings. Around 200 students along with faculty participated in the program. They cleaned the college premises and took pledge to follow environment friendly life. To curb the menace of plastic pollution, students and faculty picked up plastic waste and pledged to reuse, recycle and minimize the usage of plastic.



TECHNOTHON-2019

The institute organized a technical event Technothon -19 on 10th April, 2019. The intention behind this event was to explore the projects made in way of model/prototype and poster presentation by the students. The final year and non-final year students showcased their projects. It was compulsory for the students of final year to demonstrate their work. For the evaluation of the projects, 2-3 experts were invited in each branch. The 1st, 2nd and 3rd winner projects in the final year and non- final year were awarded prize money of Rs. 2000, Rs. 1500 and Rs. 1000 respectively.



Hybrid Lighting



Automatic Dish washer

Electrical Dept- Totally 32 projects of final year students in groups of 3 to 4 were displayed. 6 projects were displayed by the non-final year Students.



Mobile Shaketable for Earthquake induced vibration

Computer and IT Dept.-

In all 52 projects were showcased, 44 in the final year category and 8 in the non-final year category.

Civil/Applied Mechanics Dept-

26 project groups actively demonstrated their projects.



Modification of air-conditioner



Defence Robot



Industrial Fault Monitoring Report

Mechanical and Automobile dept-

In Mechanical dept., totally 34 project groups in the final year and 5 in the non-final year demonstrated their projects. In Automobile dept., 28 groups of final year and 5 groups of non-final year showcased their project work.

Electronics and Comm. Dept-

In this department, a total of 30 groups of final year students displayed their projects.

DEPARTMENTAL ACTIVITY

Electrical Engg.-

Electrical Engg. Dept.-An expert lecture was organised on 4th October 2018, for the first semester students with a view to enrich learning engineering by interacting with the expert from the industry. Shri V.G.Patel gave a brief on basics of technologies of power generation, transmission and distribution, necessity of safety, results of ignoring safety norms, and role of transformer in Electrical Power system. Total 81 students of 1st semester participated actively.

A visit to Punsari, the first smart village of India was done by the students of Sem. 8th Electrical on 14th Feb. 2019. 70 students went around the village to see the facilities provided to the people. The main purpose of the visit was to study rural electrification. Students went around various houses in the village to enquire about the type of loads they used and did load calculation.

A visit to 220 kV substation at Dhansura was done on 21st Feb. 2019 by the students of Sem. 8th Electrical Engg. 85 students went around the substation, understanding the use of equipments in it.

A visit to GIDC Modasa was carried out on 26th Feb. 2019 by the students of Sem. 8th Electrical Engg. The aim of the visit was to study about various industrial loads. Again load calculation was done by the students.



ELECTRONICS & COMMUNICATION DEPT

An expert Lecture on Motivation and Guidance for Innovative Student Start-Up was organized on 24th July, 2018. Final Year Students actively participated in this program.

A VLAB awareness program was organized on 8th August, 2018. All the final year students attended the program.



COMPUTER-IT DEPT.

Dr. M.M.Goyani delivered lecture in the One Day workshop on "MATLAB" at Government Engineering College, Modasa on 19-01-2019. All the institute faculty took benefit of the same.



CIVIL DEPT-

1. A site visit of Hostel Building of the institute for structural detailing and new Commercial building for soil exploration was done by 8th sem. civil engineering students on 25th Jan. 2019 for getting the detailing of different components reinforcement. The students were provided the structural and architectural drawing.



2. A site visit of ARCEDGES Building for Learning Manufacturing Process and Concept Of PEB Structures was done by the 8th Sem. Civil Engineering students on 27th June 2018. The students got the detailing of different components of Pre-Engineering Structures.



Projects

RUSA (Rashtriya Uchhatar Shiksha Abhiyan)

RUSA is approved by MHRD, Govt. of India and operated through KCG, for strengthening and up gradation of higher education system in the state. Under RUSA, a grant of Rs. 2.10 lakh has been provided under Component 9- Equal Opportunity initiative and a grant of Rs. 10.86 lakh in component 12- Vocationalization of Higher Education.

56 students of final year Mechanical Engineering have undergone training of 400 hrs. duration. on Solid works Modelling at CIPET ,Vatva Ahmedabad under RUSA Component 12.



Finishing School

Finishing School is an endeavour of the Government of Gujarat to help students enhance their employability skills so that they can excel in group discussions, job interviews and debates. It is a 100 hour program, provided free of cost by professional trainers empanelled by Knowledge Consortium of Gujarat (KCG).

As part of this school, topics on life skills and spoken English are covered. This in turn helps the students in their overall polishing, grooming, and personality development. First 25 hours of the program was conducted from 17th to 22nd September 2018. 70 students successfully completed the program.



Another batch was conducted for the students of final and pre-final year from 27th March to 1st April 2019. The training was conducted by Mrs Sudha Shah, again, a KCG empanelled trainer. It was co-ordinated by Prof. R B Shah and Prof. Nisha Bora.



3. SSIP (Student start up and innovation policy)- With a view to promote research, innovation and entrepreneurship, Education Dept., Govt. of Gujarat has implemented a Student Startup and Innovation Policy (SSIP). In this regard, the institute has received a grant of Rs. 20 lakhs. An amount of Rs. 3,28,500 has been sanctioned for three POC's (Proof of concept). Following are the details of the same.

Sr. No	Title of Project	Amount sanctioned (INR)
1	Defence Robo Using Gestur Control	1,40,000/-
2	Modification of Air Conditioner	1,79,000/-
3	Intelligent Secured lock	9500/-

Total 25 applications from students for possible support under SSIP were scrutinized by the Institute Scrutiny Committee in March-April 2019, out of which 12 were provisionally approved. Corrections/modifications were given by the committee members. Once these modifications are done by students, they would be recommended for support under SSIP.

4. DIC- Design Incubation Center

Mechanical and Automobile Engg. Dept. of the institute organized a 5 day workshop on “Solid Works Modelling-Theory and Practice” from 25th to 29th March, 2019 for the pre-final year students under DIC, a project received by GTU from MHRD. GTU is the hub and GEC Modasa is one of the spokes. Totally 30 students took benefit of the workshop. Collector of Aravalli Shri. M.Nagarajan was the chief guest of the inaugural function. The theory and practical sessions were conducted by two experts from Khodiyar group.



5. Nodal Center under Project Anchor Institute Program (AIP)

The institute has been selected as the Nodal Institute since 2018 under the project title Anchor institute program (AIP). The program is conducted by the anchor institute DAICT, Gandhinagar. The Anchor institute was instrumental in developing a laboratory equipped with 8 high end PCs in the Computer department of GEC Modasa. Till date around 20 faculties of GEC Modasa have been trained under various heads.



6. Creative English Communication Program-

With a view to improve and develop communication skills in the students, a Creative English Communication Course was developed under RUSA. Five batches of the same have already been completed successfully. The course duration was of 40 hours. The students were evaluated at the end of the course by testing their listening, speaking, reading and presentation ability.



5th batch of CECC was conducted by Ms. Mohsina Dadu, a KCG empanelled trainer and few college faculties. Again the course duration was designed to strengthen English communication skills among the students by use of innovative and creative methods. The course was co-ordinated by Prof. Rinkal Prajapati and Prof. Nisha Bora.



STUDENT ACHIEVEMENTS

1. Following students of 8th Semester qualified in GATE 2019 examination.

Sr. No.	Name of Student	Dept.	Gate marks	Gate Score	AIR
1	Sondagar Dhaval Shantilal	Civil Engineering	31.20	384	16596
2	Soni Chirag		28.69	356	19893
3	Bhovaniya Jafarali Roshanali	Electrical Engineering	40.67	361	16793
4	Patel Jimilkumar Kiritbhai	Information Technology	34.330	404	9673

2. Ayush Mishra of Sem 6, Electronics & Communication represented the college at the National level by way of participating in Pariksha Pe Charcha 2, organised by Ministry of Human Resource Development (GOI) on 29th Jan., 2019.



- Joshi Jay, Pirzada Faizul jabbar, Jain Pranav and Paneliya Pankaj of Sem. 8 and Fagade Vaibhav, Jadon Dishant, Detani Mohitkumar of Sem.4, Electronics & Communication actively participated in the Gujarat Industrial Hackathon 2019.
- Tripathi Prasoon, Detani Mohit, Chavda Kuldeep, Shah Vatsal, Jadon Dishant, Chauhan Devang, Fegade Vaibhav, Yogi Parekh, Joshi Vandan, Pandya Dharmik, all from Sem 4, Electronics & Communication participated in the Conference on "Connecting Inventors, Innovators, incubators for Accelerating the Growth of Start-Ups" organized by National Research Development Corporation, New Delhi on 30-31 March, 2019 at Ahmedabad.
- Abhik Patel of Sem.8, Electronics & Communication was part of the GTU ROBOCON- 2019 team which secured 2nd position at the National Level.
- Mehta Keval, Ankita Choudhary and Saumik Patel, students of Sem. 6th Civil participated in Ultratech Sparkling stars and won the 2nd Runner Up position. They were awarded a prize money of Rs. 9000/-. The contest was organized by Ultratech Cement.
- Civil engineering students Dudhat Helly, Bhavsar Saloni, Gor Parth, Vaghela Yogendra and Thakur Meet were awarded a cash prize of Rs. 30000 by the Honourable Chief Minister of Gujarat under Summer Innovation Challenge on the topic of "Exploring usage of porous pipe in place of drip irrigation system and develop automated irrigation system" under the guidance of Prof. ShivendraJha.

8. Civil engineering students Kadia Honey, Priyanka Matto, Prajapati Kanan, Raj Malaviya Tarun and Shrey Shah were awarded a cash prize of Rs. 20000 by the Honourable Chief Minister of Gujarat under Summer Innovation Challenge on the topic of “Degradation Of Acid Violet 17 by Using Electrooxidation” under the guidance of Prof. B.R.Shah.



9. A team of four final year students of Computer Engineering, Bhushan Jadav , Rajavi Upadhyay, Ravi Sharma and Alisha Tiwari received the following awards:

- Awarded on Sankul day (GTU's most prestigious award) by Mr. Kris Gopalkrishnan (Co-Founder former CEO of Infosys) in the field of Early-stage startup.
- Winner of Sayaji start-up Summit (World's longest start-up summit).
- 2nd position in GTU Central techfest in the event of Crowd pitching.
- Finalist in EDII impresario in Bigpitch 3.0.
- Awarded SSIP grant of Rs. 2 lakh and Selection Certificate by Hon. Education Minister Shri. Bhupendrasinh Chudasama.
- Winner of GTU Demoday 2019.
- Gujarat state Representative of DIC (Design innovation council) at All India DIC meet.
- GTU zonal techfest winner.
- Part of Vibrant Gujarat from GTU side.
- Funding of 2,00,000/- By GTU SSIP.
- Selected for a patent grant under SSIP policy.



Awarded by Mr. Kris Gopalkrishnan



Winner of Technothon 2019 (GEC-Modasa).

Placement

The following students were placed in various placement drives on and off campus.

Sr. No.	Name of student	Dept.	Year of passing	Company
1	Harsh Patel	Electrical	2019	Aatman Corporation, Ahmedabad.
2	Bhovaniya Jafferli		2019	Veeral Controls Pvt. Ltd., Gandhinagar
3	Manjeet Jha		2019	Sterling Generators, DadraNagar Haveli
4	Darji Hardik		2019	Sunlight Infra Energy Pvt. Ltd., Ahmedabad
5	Prajapati Jainesh		2019	Sunlight Infra Energy Pvt. Ltd., Ahmedabad
6	Rohit Pandey		2018	Project Engineer in Wipro Technologies
7	Vinay Sadhwani		2018	Reliance Jio Infocom Ltd. Ahmedabad
8	Manoj Baghel		2018	A1 fence products Co. Pvt. Ltd., Sanjan, Gujarat
9	Vishwas Snehil		2018	Cognizant Pvt. Ltd. Hyderabad
10	Jayprakash Purohit		2018	Aditi Automation & Robotics, Pune
11	Savaliya Maulik		2018	Dolphin Laser Technology, Odhav, Ahmedabad
12	Bharavad Merabhai		2018	SPIPA Regional Training Center, Baroda
13	Kirit Parmar		2018	Site Engineer Airport-Ahmedabad
14	Kalpesh Thakor		2018	Gujarat Power Infra Project Pvt. Ltd. Santej, Ahmedabad
15	Sutariya Rakesh		2018	Maheta CAD Cam Pvt. LTd. , Odhav, Ahmedabad
16	Bula Mohammad Atir		2018	Zodiac Energy Pvt. Ltd., Ahmedabad
17	Parmar Mayank		2018	Decent Solutions, Changodar
18	Patel Nirav		2018	H.N.Electricals, Ahmedabad
19	Ayush Jain		2018	Gayatri Electric Projects (I) Pvt. Ltd., Guwahati, Assam.
20	Dishant Khese		2018	KHS Machinery Pvt. Ltd., Ahmedabad
1	Harsh Gajjar	Information Technology	2018	Synoverge Technologies
2	Adit Pandey		2018	Synoverge Technologies
3	Dutt Manish		2018	Das Infomedia
4	Patel Riddhi		2018	Faith Services
5	Suthar Pooja		2018	Shaligram Infotech

Sr. No.	Name of student	Dept.	Year of passing	Company
6	Chauhan Harshvardhan	Information Technology	2018	Silverwing Tech.
7	Mistry Deep		2018	Cognisun Infotech
8	Manan Kavi		2018	Brevitaz
9	Pratik Maniya		2018	Tristate Technologies
10	Pankti Prajapati		2018	Tridhyatech Pvt. Ltd
11	Kishan Dungarani		2018	Tridhyatech Pvt. Ltd
12	Abhishek Malvadkar		2018	Synoverge Technologies
13	Patel Sara		2018	Saeculum Solution
14	Mehul Panchal		2018	Saeculum Solution
15	Patel Jinal		2018	Acute Informtics
16	Dhruvil Modi		2018	Acute Informtics
17	Parmar Ajaykumar		2018	Tristate Technologies
1	Sanskruti J.Bhadankar	Electronics & Comm.	2019	Vweld Equipments
2	Pandya Dharmik M		2019	ShrijiTechnoaspire Private Limited
3	Nirav Dobariya		2018	Alpha Decimal Network Pvt.Ltd
4	Sandip Varma		2018	Wipro
5	NamrataSonu		2018	Robokits India
6	UpadhayYash		2018	SafalProfitaire
7	ChintanGhadhiya		2018	Libra Wireless Technology
8	Jay AmrutbhaiPrajapati		2018	Accord Synergy, Baroda
9	Mahesh VajeramBhai Mistry		2018	CCTV Network Engineer, Nadiad
10	Sachin Patel		2018	Sasken
11	Patel NiravRameshbhai		2018	Avin System
12	Tiwari Surabh Sumit		2018	Ghraphene Semiconductor
1	Ankit Prajapati	Mechanical	2019	Indian Railway

Expert Lecture Delivered By Faculty

Sr. No.	Dept.	Name of Faculty	Designation	Title of lecture	Venue
1	Civil	Prof. B. J. Shah	Professor	State of the Art in Bridge Engineering	VC based training program on ETSGE-2019 of CTE
2		Prof. B. J. Shah	Professor	Earthquake resistant design of bridges	Marwadi University, Rajkot
3		Prof. B. J. Shah	Professor	Analysis & Design of structures using STAAD-Pro	Finishing school training prg. at LDCE
4		Dr. N.G.Raval	Associate Professor	Recent Trends In Design of Flexible pavement	Staff Training College, R & B Department, Gandhinagar
5	Comp.	Prof. M. M. Goyani	Assistant Professor	Informed Search Algorithms	Aditya Silver Oak Institute of Technology, Ahmedabad
6		Prof. M. M. Goyani	Assistant Professor	Cluster Analysis	Vishwakarma Government Engineering College, Chandkheda
7		Prof. M. M. Goyani	Assistant Professor	Regression Techniques and Model Performance	Birla Vishwakarma Mahavidyalaya, V.V.Nagar
8		Prof. M. M. Goyani	Assistant Professor	Rapid Miner - A Lightning Fast Way to Data Mining	LDRP - ITR, Gandhinagar
9	Elect. & Comm.	Prof.B.A.Brahmbhatt	Assistant Professor	Fundamental concepts of MATLAB	GEC, Modasa
10	Applied Mech.	Prof.A.J.Patel	Assistant Professor	Repair and rehabilitation of structure	SVBIT

Conference Attended By Faculty

	Name of Faculty	Designation	Conference details	Venue	Date
1	S A Chauhan	Assistant Professor	IEEE International Conference on Advanced Networks and Telecommunication Systems	Indore, India	16-19 December, 2018

Books Published By Faculty

Sr. No.	Dept.	Name of Faculty	Designation	Title of Book	Publication
1	Civil	Prof. B.R. Shah	Associate Professor	Environmental Science	Mahajan Publication

M. E. Dissertations Guided

Sr. No.	Department	Name of Student	Name of Guide	Topic
1	Civil (Transportation Engg.)	Patel Alark Vikramkumar	Prof. H. K. Dave	Analyzing Pedestrian Characteristic and Estimation of Level of Service – A Case Study at Lal Darwaja, Ahmedabad
2		Suthar Meet B.	Prof. H. K. Dave	Effect of Encroachment on Level of Service and Capacity of Road – A Case Study Ahmedabad City
3		Raviray H. Vyas	Prof. B. R. Shah	Economic Evaluation of Proposed Flyover at Modhera Intersection Along SH 41 Passing through Mehsana City
4		Bhavsar Priyesh A.	Dr. N. G. Raval	Development of Model for Estimating Saturation Flow considering Width, Acceleration and Queue Length for Selected Intersections of Ahmedabad City.
5		Gita Prasad Ramnath	Dr. N. G. Raval	Formulate the Model for Estimating Lateral Friction Factor Considering Vehicle Speed, Acceleration, Super elevation and the Radius of Curvature of Rural Highways
6		Malek Jisan Zahirmiya	Dr. N. G. Raval	Economic Evaluation of Proposed Bypass on SH-59 Passing through Bayad City
7		Sharma Ankit Dheeraj	Dr. N. G. Raval	A Feasibility Study of Bypass Connecting SH 41 and NH 27 – A Case study of Palanpur City
8		Panchal Piyush K.	Prof. T. H. Vyas	Assessment and Formulation of Model for Predicting Operational Delay on Urban Sub-Arterial Road Link due to Metro Rail Work zone Condition
9		Rajnish Kumar	Prof. T. H. Vyas	Development of Model for Estimating Capacity for Work Zone Condition – A Case Study of Ahmedabad City
10	Computer	Azriel Henry	Prof. Jwalant B Baria	Composite Approach To Detect Phishing Url
11		Patel Ripalkumar Natvarlal	Prof. Jwalant B Baria	Ddos Attack Detection And Mitigation Using Combined Classifiers In Cloud Computing
12		Purani Kruti Dharmendrabhai	Prof. M B Chaudhari & Prof. Sanjay M. Shah	Student Performance Prediction Using Ensemble Methods
13		Sukhadia Kolinben Rakeshkumar	Prof. M B Chaudhari & Prof. Sanjay M. Shah	Rice Crop Yield Prediction In India Using Improved Classification Technique
14		Tandel Jaykumar Maheshbhai	Prof. Patel Hirenkumar R.	Efficient Load Balancing In Cloud Computing Using Ant Colony Optimization
15		Niyati kumari Ishvarbhai Patel	Prof. Chetna G Chand	Hybrid Approach In Data Mining For Prediction Of Heart Disease
16		Chavda Sagarkumar Manahardas	Prof. Mahesh M. Goyani	Content Based Image Retrieval Using Hybrid Features
17		Parekh Payal P.	Prof. Mahesh M. Goyani	Face Recognition Using Local Statistical Pattern And Wavelet Transform
18		Patel Jinalkumari J.	Prof. Sameer Chauhan	Load Balancing In Cloud Computing Using Machine Learning Techniques.
19		Baria Rashmika Naginbhai	Prof. Mahesh M. Goyani	Dwt-Dct Based Rst Attacks Invariant Watermarking Approach
20	Applied Mechanics	Mayur Shah	Prof. D.B.Sathvara	Seismic Analysis of Irregular R.C.C. Frame Multi storey Building with Soft storey and Energy Dissipation Device at various Floor Levels

Faculties Pursuing Ph.D.


Sr. No.	Department	Name of faculty with designation	Research Area	PhD. Pursued from University
1	Information Technology	Prof. H.R.Patel-Assistant Professor	Cloud Computing	Gujarat Technological University
2	Civil	Prof. H.K. Sharma-Assistant Professor	Transportation Engineering	Gujarat Technological University
3		Prof. S. B. Jha-Assistant Professor	Noise Pollution	Ganpat University
4		Prof. S. B. Jha-Assistant Professor	Waste Water Treatment	Charusat, Changa
5	Electrical	Darshan U. Thakar-Assistant Professor	Electrical Vehicles	Ganpat University
6		Kaushal K. Bhatt-Assistant Professor	Power Electronics	Indus University
7	Electronics & Communication	Prof.N.D.Patel-Assistant Professor	Wireless Communication	Ganpat University,Kherva
8		Prof. B.A.Brahmbhatt-Assistant Professor	Renewable Energy	M.S.University, Baroda
9		Prof.N.J.Bathani-Assistant Professor	Antenna	Gujarat Technological University
10	Applied Mechanics	Prof.A.J.Patel-Assistant Professor	Concrete Technology	R.K.university
11	Mechanical	Prof. N. V. Bora- Associate Professor	Solar Thermal	Gujarat Technological University
12		Prof. P. M. Mistri-Assistant Professor	Thermal	Indus University
13		Prof. H. R. Prajapati- Assistant Professor	Machine Design	Ganpat University,Kherva
14		Prof. M. G. Patel-Assistant Professor	Thermal	Gujarat Technological University
15		Prof. J. C. Gamit- Assistant Professor	Thermal	SVNIT, Surat
16		Prof. P.R. Parekh-Assistant Professor	Manufacturing Process	Gujarat Technological University

Papers Presented/Published

Sr. No.	Dept.	Name of Faculty	Designation	Title of Paper Presented/Published	Seminar/Conference
1	App. Mech.	Prof. Dinesh B. Sathavara	Assistant Professor	"Seismic Analysis of Irregular R.C.C. Frame Multi storey Building with Soft storey and Energy Dissipation Device at various Floor Levels."	International Journal of Research & Analytical review
2	Civil	Prof. Shivendra Jha	Assistant Professor	Necessity and modifying existing canal distribution network based irrigation infrastructure in India-A critical review.	Conference
3		Prof. Shivendra Jha	Assistant Professor	Exploring an option to the 'Conventional Canal Lining by evolving Moulded Plastic Troughs'- as a promising solution.	Conference
4		Prof. Shivendra Jha	Assistant Professor	The Assessment and Analysis of Noise Pollution in the City of Ahmedabad.	Conference
5		Prof. Shivendra Jha	Assistant Professor	Assessment And Mlr Modeling Of Urban Traffic Noise At Major Arterial Roads Of Ahmedabad, India	Conference
6		Prof.B.R.Shah	Associate Professor	Aqueous pollutants in water bodies can be photo chemically reduced by TiO2 nano-particles in the presence of natural organic matter	National Journal

Sr. No.	Dept.	Name of Faculty	Designation	Title of Paper Presented/Published	Seminar/Conference
7		Prof.B.R.Shah	Associate Professor	Reductive Photo catalytic De-colourization of an Azo Dye Reactive Black 5 using TiO ₂ :Mechanism and Role of Reductive Species	National Journal
8		Dr. Nikhil Raval	Associate Professor	Estimating lateral friction factor considering vehicle speed, acceleration, super elevation and radius of curvature of rural highway	National Journal
9		Dr. Nikhil Raval	Associate Professor	Economic evaluation of proposed bypass on SH - 59 passing through Bayad city.	National Journal
10		Dr. Nikhil Raval	Associate Professor	Development of Model for estimating saturation flow considering width, acceleration and queue length for selected intersections of Ahmedabad city	National Journal
11		Dr. Nikhil Raval	Associate Professor	Assessment and Formulation of Model for predicting operational delay on urban sub arterial road link due to work zone condition	National Journal
12		Dr. Nikhil Raval	Associate Professor	A Feasibility Study of Bypass Connecting SH-41 and NH 27 - A case study of Palanpur city	National Journal
13		Prof. H.K.Dave	Associate Professor	Effect of encroachment on a level of service of urban road - A case study of Ahmedabad city	National Journal
14		Prof. H.K.Dave	Associate Professor	Analyzing pedestrian flow characteristics & estimation of level of service - A case of Lal Darwaja.	National Journal
15		Prof.B.R.Shah	Associate Professor	Economic evaluation of proposed flyover at Modhera intersection along SH - 41 passing through Mehsana city	National Journal
16	Mech	Prof. H R Prajapati	Assistant Professor	Evaluation of Stress Concentration Factor for Shoulder Fillet on Round Bar under Axial Tension Loading	American International Journal of Research in Science, Technology, Engineering & Mathematics
17	Gen.	Prof. D.J.Prajapati	Assistant Professor	Approximate Analytical Solution of Advection-Dispersion Equation by means of Oham	Mathematical Journal of Interdisciplinary Sciences
18		Prof.G.C.Panchal	Assistant Professor	Comparative study of various film shapes on the performance of a longitudinal rough finite slider bearing through a series of flow factors	Mathematics Today,-An International Journal for Mathematical Sciences

Faculty Achievement

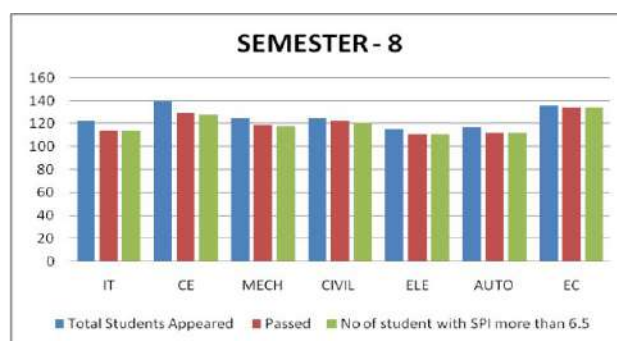
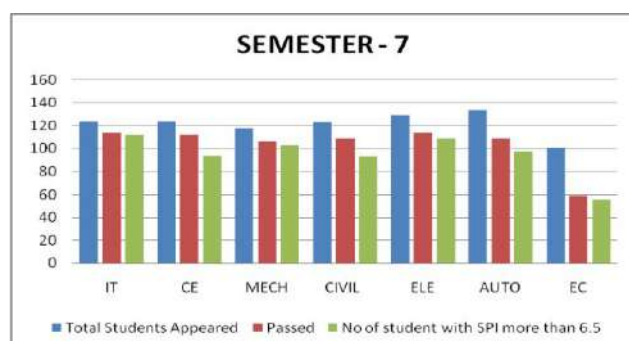
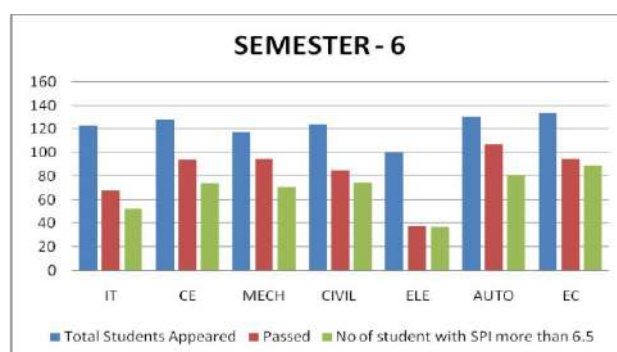
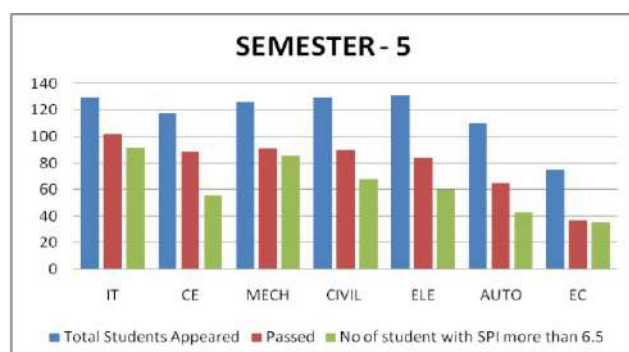
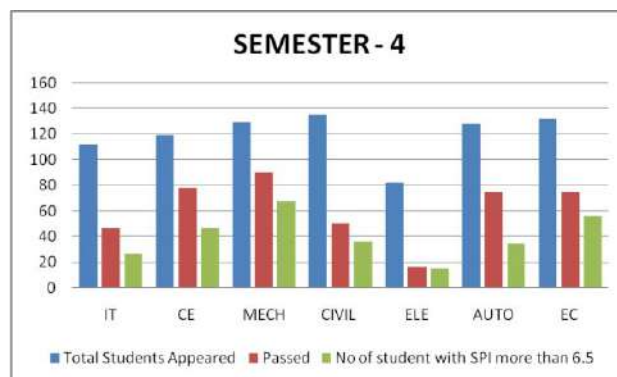
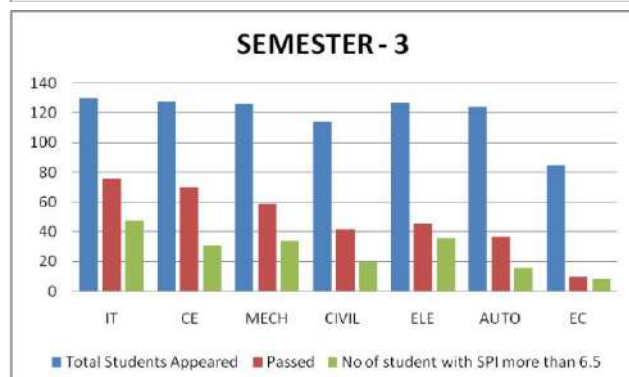
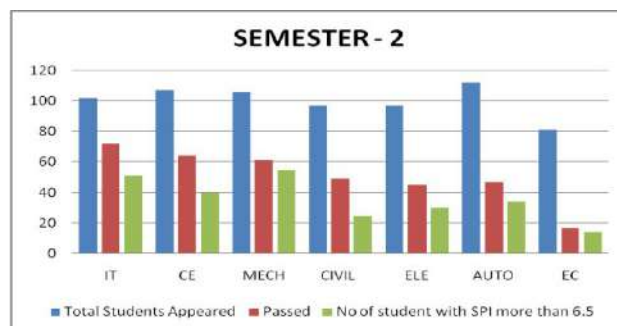
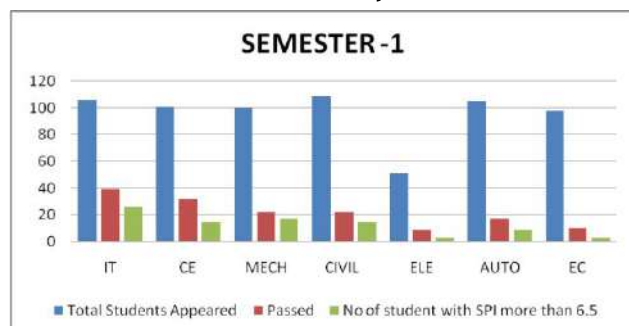
1	Prof. B. J. Shah, Professor of Applied Mechanics Department is promoted as Principal and appointed as Principal of Govt. Engineering College, Modasa.
2	Prof. Jyoti Iyer, Associate Professor in Electrical Engineering, completed her Ph.D. from Gujarat Technological University, Ahmedabad on "Voltage Stability Analysis in Power Systems"
3	Prof. Hemang S.Pandya, Assistant Professor in Electrical Engineering completed Ph.D. from SVNIT Surat Entitled "Optimized Microgrid Demand Response Management In Smart Grid Paradigm".
4	<p>Prof. G.C. Panchal, Assistant Professor in Mathematics, completed his Ph.D. on "Numerical Analysis of Some Problem on Tribological System" from GTU in Jan.-2019 . He received Best Ph.D. Thesis award in mathematics by Gujarat Science Academy in Feb-2019.</p> 
5	Prof. D.J. Prajapati, Assistant Professor in mathematics, Completed his Ph.D on "Detailed Study Of Mathematical Models Arising In 1-D Flow In Porous Media" from GTU in Dec 2018.
6	Prof. P.V.Patel, Assistant Professor in Electronics & Communication Dept. was appointed as a reviewer in International Multi Disciplinary Conference on Industry 4.2 during 8 and 9 March,2019 held at RNGPIT (R.N.G. Patel Institute of Technology), Bardoli.

Change In Faculty Position

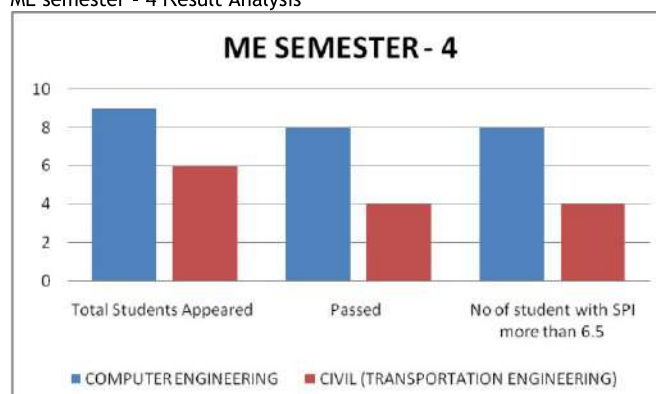
Sr. No.	Name	Designation	Date of joining/Date of getting relieved	Department	New recruit/Transfer
1	Dr. S.M.Shah	Professor	10/12/2018	Computer	Transferred to LDCE,Ahmedabad
2	Prof.M.N.Patel	Assistant Professor	4/12/2018	IT	Transferred to GEC Gandhinagar
3	Prof.S.B.Patel	Assistant Professor	4/12/2018		Transferred to GEC Gandhinagar
4	Prof.B.V.Vainsh	Assistant Professor	4/12/2018		Transferred to GEC Bhavnagar
5	Prof. D.U.Thakar	Assistant Professor	4/5/2018	EE	New GPSC recruit
6	Prof. H. S. Pandya	Assistant Professor	4/5/2018		New GPSC recruit
7	Prof.K.V.Patel	Assistant Professor	9/18/2018	Electronics & Communication	Transferred to LDCE,Ahmedabad
8	Prof.D.A.Sagar	Assistant Professor	3/12/2019	Applied Mechanics	Transferred from GEC Bhuj
9	Prof. R. B. Shah	Assistant Professor	11/12/2018	Mechanical	Transferred from VGEC, Chandkheda
10	Prof. R.P. Vyasa	Associate Professor	10/3/2019		Transferred to VGEC, Chandkheda
11	Prof V.J. Chauhan	Assistant Professor	3/12/2018		Transferred to VGEC, Chandkheda
12	Prof. S.P. Patel	Associate Professor	10/3/2019		Transferred from VGEC, Chandkheda

Result Analysis

BE semester 1 to 8 Result Analysis



ME semester - 4 Result Analysis



SPORTS WEEK-2019

Sports week was celebrated from 14th to 16th Feb. and then 19th to 21st Feb. 2019 in the college campus. Games like Cricket, Football, Handball, Volleyball, Athletics, Badminton, Table Tennis, Kabbaddi and Chess were played. A total of 1300 boys and 400 girls took part in various events.



CULTURAL PROGRAM 'SPANDAN'-2019

Cultural Program 'Spandan 2019' was celebrated in the college campus on 2nd April, 2019.





Winners in various sports event held during the sports week were felicitated with trophies and certificates.



A voter awareness program was held in the end of the cultural program which was presided by the Collector of Aravalli district, Shri. M. Nagarajan. RJ Harshil of Radio City 91.1, who was declared the grand ambassador for voting in Gujarat motivated the youth to vote for their future.



An exhibition of art and craft by Dr. Mahesh Goyani, Assistant Professor in Computer Engineering and photography exhibition by Shivam Shelat, student of Sem. 6th Electrical Engineering was also organized in the college campus on the same day.

ALUMNI PHOTOS



Automobile Engg.



Civil Engg.



Computer Engg.



Electrical Engg.



Electronics & Communication Engg.



Information Technology



Mechanical Engg.

