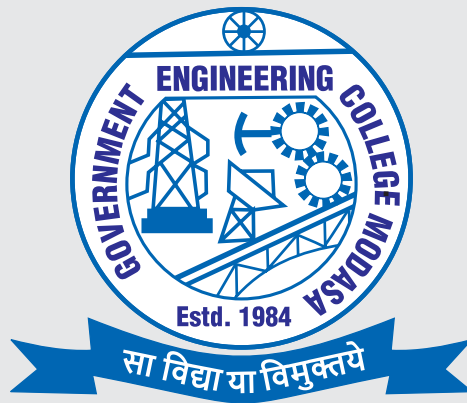


GOVERNMENT ENGINEERING COLLEGE MODASA



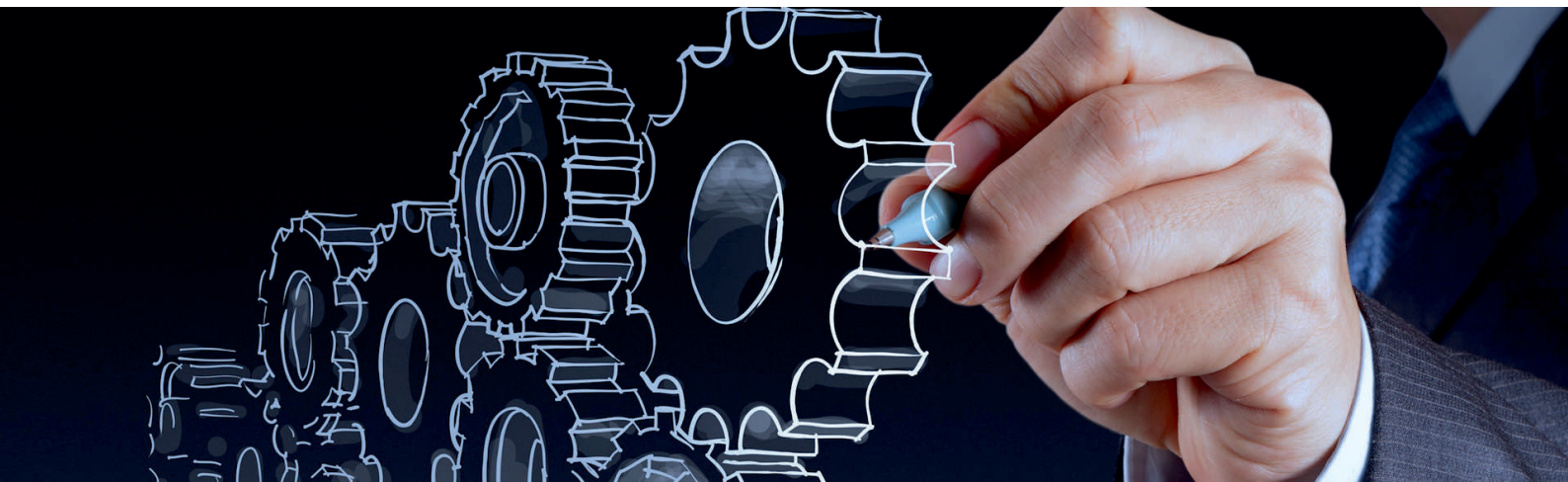
INFORMATION BOOKLET (2025-26)

Governed by:
COMMISSIONERATE OF TECHNICAL EDUCATION,
EDUCATION DEPARTMENT, GOVERNMENT OF GUJARAT

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CONTENTS

Sr. No.	Description	Page No.
1	Message from the Principal's Desk	3
2	About the Institute	4
3	Courses Offered	5
4	Council of Heads	5
5	Departmental Information (Introduction, Vision-Mission, faculties, laboratories, services offered)	
	Civil Engineering	6
	Applied Mechanics	8
	Mechanical Engineering	10
	Electrical Engineering	14
	Electronics & Communication	17
	Computer Engineering	20
	Information Technology	23
	Science and Humanities	25
6	Campus Facilities	26
	Library	26
	Digital Library	27
	Hostel Facility	28
7	Details of Cells & Sections	
	Student Section	30
	GTU Section	30
	Important Cells	31
	Important Contact Numbers	32
8	Institute Achievements and Activities	
	Institute Achievements	33
	Institute Activities	33



MESSAGE FROM THE PRINCIPAL'S DESK

Prof. (Dr.) Jeetendra A. Vadher
Principal

Dear Students, Faculty members and all Stakeholders,
Warm greetings to all.

Today, as I deliver this message, I experience immense pride for this academically sound Government Engineering College, Modasa on Shamlaji Road, which has flourished from 1984 to 2025. It is today in its 41st year, and it has attained a position as a state-of-the-art institute in the tribal area of Aravalli district. The widespread penetration of the pass-out students globally makes a huge impact in every field of engineering. Our Institute actively promotes academic and all-round development of the students. Alumni are invited and expert talks are arranged as part of placement drive for the students. Being a leading technical institution in the district, many programs are conducted for the awareness to boost the Startup policy and Innovation activities that is the foundation of entrepreneurial ecosystem.

Under the aegis of “AatmaNirbhar Bharat”, there has been incredible participation and contribution from faculty and students in activities and programs that are conducted by GTU and the Education Department. Exposure to technology advancement and active participation in sports & cultural activities is encouraged to inculcate competitive spirit in the students. Students also become a part of tree plantation and cleanliness drive so that they get involved in matters like green development and climate change, which are the prominent environmental issues faced nationally and internationally.

As per the vision of our Hon'ble Prime Minister who believes in the theme “One Earth, One Family, One Future” drawn from the Sanskrit phrase of the Maha Upanishad “Vasudhaiva Kutumbakam”, that focuses on global priority areas of harmony and peace, such as financial growth, inclusive growth, digital economy, public infrastructure, technology transformation, and reforms for women empowerment for socio-economic progress. All these steps are taken to accelerate progress towards the Sustainable Development Goals and secure a better future for the generations to come.

Today it is inevitable to progress in the direction and in alignment with the concepts of the “National Education Policy (NEP 2020)”. This is a student-centric policy, in which students are given a lot of flexibility in choosing the subjects of their choice such that the emphasis encompasses Indian education system, vernacular education, and multidisciplinary education. There is a possibility of a remarkable change in the present education system of the country. The mission to promote and propagate NEP 2020 is the key responsibility of the faculty and students of every institute.

I am happy to acknowledge that this huge and green campus with enhanced facilities and in-campus hostel will support the academic and all-round development of students as it promises a good ecosystem of teaching-learning among students and staff.

Best wishes for the future.

Sincerely, and with Best Regards,

Date : 19-06-2025

— **Prof. (Dr.) Jeetendra A. Vadher**
Principal,

Government Engineering College, Modasa



ABOUT THE 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 post graduate 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 112 acres of land having natural aesthetics and topographical surroundings.

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.*

UNDERGRADUATE COURSES

Program	Commencement Year	Present Intake	Course Code as per GTU
Electrical Engineering	1984	60	09
Civil Engineering	1984	60	06
Mechanical Engineering	1989	60	19
Electronics and Communication	1991	30	11
Information and Technology	1999	120	16
Computer Engineering	2001	120	07
Automobile Engineering	2008	30	02
	TOTAL	480	

POSTGRADUATE COURSES

Program	Commencement Year	Present Intake	Course Code as per GTU
Transportation Engineering	2010	18	69
Computer Engineering (Software Engg.)	2010	18	73
	TOTAL	36	

1.	Human Resource (Faculty & Staff)	Prof. J. A. Vadher (Principal)
2.	Student Affairs	Prof. S. S. Singh (Professor, Civil Department)
3.	Store & Purchase	Prof. U. R. Khare (Head, Civil Department)
4.	Academics	Prof. V. J. Upadhyay (Head, Electrical Department)
5.	Infrastructure & Maintenance	Prof. U. V. Shah (Head, Mechanical Department)
6.	Industry & Outreach	Prof. V. J. Upadhyay (Head, Electrical Department)
7.	Amenities	Prof. U. V. Shah (Head, Mechanical Department)

CIVIL ENGINEERING DEPARTMENT

Civil Engineering department has been functional from the year 1984. The department offers graduate course in Civil Engineering and Post Graduate course in Transportation Engineering. Senior faculties of the department have more than 20 years of teaching experience. The faculties have expertise in different areas of civil engineering. The department have well equipped laboratories for the subjects of Surveying, Fluid Mechanics, Transportation Engineering, Environmental Engineering and Geology. It has advance open access computing facilities with LAN and Wifi connection. In addition to the regular academic activities, department also organizes various technical and non technical events, expert lectures etc from time to time.

Department has also signed MoUs with various government departments for providing its technical expertise. A student chapter with Institution of Engineers has also been established at the local level.

VISION

Produce globally employable competent civil engineers committed to research, innovation and entrepreneurship with core values.

MISSION

- *Impart quality in academics through experimental innovation with core values.*
- *To promote innovative practices in the field of civil engineering.*
- *To inculcate entrepreneurial approach among the learners as civil engineer.*
- *To enhance industry – academia collaboration for promoting research and placement.*
- *To offer the services to community.*

FACULTY DETAILS

Sr. No.	Name	Designation	Qualification
1.	Dr. U. R. Khare	Professor and Head	Ph.D.
2.	Dr. S. S. Singh	Professor	Ph.D.
3.	Prof. P. K. Shah	Associate Professor	Ph.D.
4.	Dr. V. R. Gor	Associate Professor	Ph.D.
5.	Prof. H. B. Thakar	Assistant Professor	M.E.
6.	Prof. J. K. Sathavara	Assistant Professor	M.E.
7.	Prof. D. H. Chaudhari	Assistant Professor	M.E.
8.	Prof. H. K. Sharma	Assistant Professor	M.E.
9.	Prof. J. P. Pandya	Assistant Professor	M.E.

LABORATORY DETAILS



Surveying Laboratory provides practical knowledge regarding measuring instruments for distance, vertical and horizontal angles, and elevation by performing levelling 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 Laboratory 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 apparatuses.

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





APPLIED MECHANICS DEPARTMENT

Applied Mechanics Department has been running right from the inception of this institute since 1984. It has an intake capacity of 120 students per year. The department conducts theory, practical, site visits, competitions and seminars on various subjects for current/recent technology.

Applied Mechanics is a branch of applied science, which treats the action of forces on bodies. It examines the response of bodies (solids and fluids) or system of bodies to external forces. Some examples of mechanical systems include the forces acting on truss & transmission tower, boom of crane and its parts. For the depth of knowledge and studies, Applied Mechanics branch covers various subjects like Structural Analysis, Structure Design, Geo-technical Engineering, Concrete Technology, Precast and Prestress Concrete Structures, Earthquake Engineering and allied Construction Materials.

VISION

Produce globally employable competent civil engineers committed to research, innovation and entrepreneurship with core values.

MISSION

- *Impart quality in academics through experimental innovation with core values.*
- *To promote innovative practices in the field of civil engineering.*
- *To inculcate entrepreneurial approach among the learners as civil engineer.*
- *To enhance industry – academia collaboration for promoting research and placement.*
- *To offer the services to community.*

FACULTY DETAILS

Sr. No.	Name	Designation	Qualification
1.	Major Dr. C. S. Sanghvi	Professor	Ph.D.
2.	Prof. D. R. Tarachandani	Associate Professor and Head	M.E. (C.A.S.A.D.)
3.	Prof. D. A. Sagar	Assistant Professor	M.E. Civil (C.A.S.A.D.)
4.	Dr. A. J. Patel	Assistant Professor	Ph.D
5.	Prof. M. M. Bhunga	Assistant Professor	M.E. Civil (C.A.S.A.D.)
6.	Prof. F. Y. Parikh	Assistant Professor	ME Structural Engineering
7.	Prof. Mo U. A. Fareediwala	Assistant Professor	M.E. CIVIL (C.A.S.A.D.)
8.	Prof. D. B. Sathavara	Assistant Professor	M.E. CIVIL (C.A.S.A.D.)

LABORATORY DETAILS



Mechanics of Solid Lab

The objective of the laboratory is to demonstrate the basic principles in the area of Engineering Mechanics and Strength of Materials to students through a series of experiments. In this laboratory, the experiments are performed to measure the properties of the materials such as impact strength, tensile strength, compressive strength, hardness, ductility etc.

Concrete Technology Lab

The testing and inspection of concrete and concrete making materials like cement and aggregates are important 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 which may affect the performance of concrete members. The apparatus and machines available in the concrete technology laboratory are Sieve Shaker, Compressive testing machine, Flexural Testing Machine, Apparatus for workability measurement, etc.



Geotechnical Engineering Lab

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 are available in the laboratory.

Earthquake Engineering Lab

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 for pounding effect, mode shapes, spring mass system, re-entrant corners, building model with active and passive damper devices.





Mechanical Program of the Institute received NBA accreditation for the year 2021-22, 2022-23 & 2023-2024 up to 30/06/2024.

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 60 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.

VISION

Build a strong teaching-learning and research environment to prepare determined, innovative, inventive, self-esteemed and goal oriented mechanical engineers with good technical knowledge, analytical and soft skill.

MISSION

To equip mechanical engineering graduates to face challenges of industries, society and nation by:

- *Providing domain knowledge through qualified, experienced and trained faculties in healthy environment.*
- *Developing technical skills and creating awareness about needs of industries by encouraging entrepreneurial attitude.*
- *Encouraging graduates to think innovatively through project works with professional ethical practices.*
- *Providing all kinds of support for overall personality development.*

FACULTY DETAILS

Sr. No.	Name	Designation	Qualification
1	Dr. J. A. Vadher	Professor & Principal	Ph.D.
2	Dr. U. V. Shah	Professor & Head (Mech.)	Ph.D.
3	Prof. M. M. Makwana	Associate Professor	M.E.
4	Dr. R. J. Jani	Associate Professor & Head (Auto.)	Ph.D.
5	Dr. B. C. Khatri	Associate Professor	Ph.D.
6	Dr. D. R. Shah	Associate Professor	Ph.D.
7	Prof. R. B. Shah	Assistant Professor	M.Tech.
8	Dr. Samrudhhi. P. Patel	Assistant Professor	Ph.D.
9	Prof. M. M. Madhikar	Assistant Professor	M.Tech.

Sr. No.	Name	Designation	Qualification
10.	Prof. P. R. Parekh	Assistant Professor	M.E.
11.	Prof. P. R. Panchal	Assistant Professor	M.E.
12.	Dr. P. M. Mistri	Assistant Professor	Ph. D.
13.	Prof. M. G. Patel	Assistant Professor	M.Tech.
14.	Prof. H. I. Chaudhari	Assistant Professor	M.Tech.
15.	Dr. J. C. Gamit	Assistant Professor	Ph. D.
16.	Prof. R. B. Gadhavi	Assistant Professor	B.E.
17.	Prof. R. N. Bodar	Assistant Professor	B.E.
18.	Prof. S. A. Bhatia	Assistant Professor	M.Tech.
19.	Prof. A. R. Patel	Assistant Professor	M.E.
20.	Prof. J. R. Bhavsar	Assistant Professor	B.E.
21.	Prof. S. L. Ganchi	Assistant Professor	M.E.
22.	Mr. V. A. Bhavsar	Instructor Turner	

LABORATORY DETAILS



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.

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.





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.

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.



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. The workshop has facilities like lathes, milling machines, drilling machines, shaper machines etc upon which students in team perform 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.

AUTOMOBILE ENGINEERING

Sr. No.	Name	Designation	Qualification
1.	Prof. R. J. Jani	Associate Professor and Head	Ph.D.
2.	Prof K.V. Fadadu	Assistant Professor	Ph.D. (Purusing)
3.	Prof. D. A. Chaudhari	Assistant Professor	B.E.
4.	Mr. H. M. Vankar	Lab Assistant	

LABORATORY DETAILS



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.

Automobile Electrical and Electronics Lab

This laboratory comprises instruments like electrical equipment board, auto scanner and diagnostic tool, cut sections of electrical instruments etc.



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.





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 department aims 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 lineup 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.

VISION

To thrive for excellence in the field of Electrical Engineering by imparting quality education that produces skilled, innovative and ethical engineers to meet the needs of academia, industry and society.

MISSION

To provide high quality graduate program in electrical engineering so that it prepares students for

- *To provide an effective Teaching-Learning environment to acquire skills and knowledge in the field of Electrical Engineering.*
- *Strengthen industry institute interaction to enable the students to work on innovative and real time problems.*
- *To foster a culture of entrepreneurship amongst the students.*
- *To instill values in students for lifelong learning and service to the society.*

FACULTY DETAILS

Sr. No.	Name	Designation	Qualification
1.	Dr. Vipulkumar Jeshanker Upadhyay	Professor And Head	Ph.D.
2.	Dr. S. R. Sharda	Associate Professor	Ph.D.
3.	Dr. Umesh L. Makwana	Associate Professor	Ph.D.
4.	Dr. Nirali V. Upadhyay	Assistant Professor	Ph.D.
5.	Prof. Pujara Jigneshkumar Baldevbhai	Assistant Professor	Me (Electrical)
6.	Dr. Kaushal Kiritbhai Bhatt	Assistant Professor	Ph.D.
7.	Prof. Trushna Pratik Shah	Assistant Professor	M.E (Electrical)
8.	Prof. Tejalkumar Ambelal Chaudhari	Assistant Professor	M.E (Electrical)

Sr. No.	Name	Designation	Qualification
9.	Prof. Chetankumar Kohyabhai Bariya	Assistant Professor	M.E (Electrical)
10.	Prof. Raj Khodidas Kapadia	Assistant Professor	M.E (Electrical)
11.	Prof. Sumitkumar Bankar Vinodbhai	Assistant Professor	M.E (Electrical)
12.	Prof. Darshan Upendrabhai Thakar	Assistant Professor	M.E (Electrical)
13.	Dr. Hemang Suryakant Pandya	Assistant Professor	Ph.D.

LABORATORY DETAILS



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.

Advanced Machines Laboratory

The Laboratory involves special machines viz. Schrage Motor, Speed Control of Induction Motor by pole changing Method setup, Repulsion motor, Motor cascade connection setup, Ward Leonard Setup for Speed Control etc. This laboratory enables student to analyse performance of advanced machines and advanced setup for their control.



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.

Analog-Digital/ Power Electronics/ Electric Drive Lab

The laboratory includes facilities to demonstrate and experiment with basic building blocks of analog- digital , power electronic circuits and Electric Drives viz . static switches' (diodes, diac, triac, UJT, SCR, Thyristors) characteristic realization setups, DC-Dc converters, drives, digital gates, flip-flops, shift registers and counters, OPAMP based setups, amplifier trainers, Single phase Semi and Full control converter for DC Motor, Four quadrant control of DC Shunt motors, Constant time, constant frequency control of DC Motors, bread-boarding facilities are available for experimenting & mini projects.





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.

Power System Laboratory

Power system Lab is equipped by basic power system trainer setup, demonstration setups for Buchholz relay, different types of cables, insulators including string, shackle, pin insulators of different voltage levels, parts of transmission line including dampers, clamps, earthing rods to have hands on experience and feel of concepts and parts of Electrical power System.



Switchgear and Protection Laboratory

This laboratory is meant for establishing experimental setup for the switchgears and various protection schemes for parts of power system and machines including, trainer setups for relay, relaying schemes, test setups for MCB, and fuse and fuse wires. The lab is fully functional in order to provide hands-on experience and skills regarding the course area.

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 can implement small programs to solve well defined problems.

Computer Center

The computer center provides access to various simulation and coding packages to complete theory concepts using simulation and analytical computations using packages viz. Matlab/ Sci lab, C-C++, Keil, FEMM etc.





The Electronics & Communication Engineering Department was established in the year 1984. Currently, it offers a four year undergraduate course in Electronics and Communication Engineering with an intake of 30 and accommodated in building no. 4 of the institute.

Department has well established and separate laboratory facilities i.e. Audio-Video, Analog and Digital Communication, Antenna, Microwave, VLSI Design, Signal Processing, Virtual Instrumentation. Department has a computer center with high-end computer facilities, a seminar room with required facilities and provision of department library.

VISION

To strive for academic excellence, enhance industry-institute interaction to create competent technocrats in relevant areas for addressing ever changing needs of society.

MISSION

- To ensure dissemination of knowledge through effective teaching and learning process.
- To strengthen collaboration with industries.
- To prepare the students with multi-disciplinary competence for their successful career and service to the society.

FACULTY DETAILS

Sr. No.	Name	Designation	Qualification
1.	Dr. Alpesh H. Dafada	Associate Professor & Head	Ph.D.
2.	Prof. S. K. Rana	Assistant Professor	M.Tech.
3.	Prof. N. D. Patel	Assistant Professor	Ph.D.
4.	Prof. K. R. Patel	Assistant Professor	M.E.
5.	Dr. B. A. Brahmbhatt	Assistant Professor	Ph.D.
6.	Prof. S. H. Mansuri	Assistant Professor	M.Tech.
7.	Prof. P. V. Patel	Assistant Professor	M.E.
8.	Prof. M. S. Chauhan	Assistant Professor	M.Tech.
9.	Shri J. N. Patel	Instructor	
10.	Shri M. G. Kazi	Lab Assistant	

LABORATORY DETAILS



Analog Electronics and Digital Electronics Lab

This laboratory consists of analog electronics and digital electronics trainer kits and equipments along with supporting facilities i. e. lab station, CRO, and other required measuring equipments etc. It provides an education platform, wherein students can visualize theoretical concepts being implemented. Students can perform, test and verify their theoretical concepts, principles and operations regarding analog electronics and digital electronics circuits etc by hands-on practice.

VLSI and Embedded Systems Laboratory

This laboratory consists of trainer kits of VLSI and Embedded systems along with required testing, measurement and verification facilities. 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) experimentally. Also students can perform hands-on experiments to test and verify their concepts, principles and theoretical understanding of the related subjects.



Signal Processing Laboratory

This laboratory consists of signal processing trainer kits along with required supporting measuring facilities i. e. DSO/CRO, lab station etc. Various experiments related to signals and system i. e. signal sampling and reconstruction, signal and system analysis and synthesis, signal conditioning etc can be performed and verified here. Laboratory is also equipped with MATLAB simulation software facilities to carry out various simulation based experiments and student project works. Also it has LAN trainer kits and optical fiber communication trainer kits.

Power Electronics and Workshop Lab

This laboratory concentrates on the learning of basic components of power electronics and its applications. It has a vast variety of equipments and trainer kits related to power electronics. The department is also equipped with workshop labs where students can learn the working and application of basic electronic components.





Digital Communication Laboratory

Laboratory consists of various digital communication trainer kits along with supporting facilities i. e. DSO, CRO, lab station. It provides a platform to the students to experimentally test and verify their theoretical principles, concepts and understanding with hands-on facilities. Various experiment setups are available in laboratory i. e. sampling and reconstruction, TDM-PCM transmission and reception, delta modulation, ASK, FSK, PSK, AM-FM Modulation-Demodulation trainer kits etc. Available MATLAB simulation software in the laboratory helps the students to simulate all concepts, principles and understanding of communication theory.

Antenna, Radar and Satellite Communication Lab

This laboratory consists of antenna and wave propagation trainers kits and equipments along with ANSYS software for antenna designing (courtesy DIC-GTU) to demonstrate concept of antenna communication. It has radar and satellite communication trainer kits and equipments to demonstrate basics of radar and satellite communication.



DIC Centre and Tinkering Laboratory

DIC Centre and Tinkering Laboratory are established in EC Department. DIC center equipped with instruments and equipments worth Rs. 25 lakhs, funded by GUCOST. Tinkering Lab consist of various prototyping components, consumables and other required support. IOT boards, surveillance equipments, PLC kit, PCB prototyping machine, DAQ (PAC) are available in the lab.

Departmental Computer Centre and Library

Computer center has 41 high-end PCs with internet facility and department library consists of various books, study and reading materials along with furniture and other supporting facilities.





Computer & Information Technology Department runs in a newly constructed and well-furnished building (Academic block 5, Building number 8). The main strength of the department is highly qualified and well-experienced faculty. In addition to this, the 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 four water coolers with R. O. system for good quality of drinking water for the students and faculty.

VISION - COMPUTER ENGINEERING

To become a prominent department producing competent professionals with research, innovation and entrepreneurial skills, inculcating moral values and societal concerns.

MISSION - COMPUTER ENGINEERING

- *To create globally competent students having ability to design, develop and test world class software, keeping pace with the latest technological developments.*
- *Create facilities and expertise in advanced computer technology thereby promote research.*
- *Enhance Industry Institute Interaction program to get acquainted with corporate culture.*
- *Induce moral, ethical values and spirit of social commitment.*

FACULTY DETAILS - COMPUTER ENGINEERING

Sr. No.	Name	Designation	Qualification
1	Dr. P. J. Patel	Associate Professor & Head	Ph.D.
2	Dr. M. M. Goyani	Associate Professor	Ph.D.
3	Dr. U. G. Chauhan	Associate Professor	Ph.D.
4	Prof. A. K. Dodiya	Assistant Professor	M.E.
5	Prof. R. J. Prajapati	Assistant Professor	M.E.
6	Prof. S. G. Patel	Assistant Professor	M.E.
7	Prof. P. R. Gamit	Assistant Professor	M.E.
8	Prof. M. K. Rathva	Assistant Professor	M.E.
9	Prof. V. R. Patel	Assistant Professor	M.E.

Sr. No.	Name	Designation	Qualification
10	Prof. U. R. Bhoi	Assistant Professor	M.E.
11	Prof. M. V. Chauhan	Assistant Professor	M.E.
12	Dr. A. B. Parmar	Assistant Professor	Ph.D.
13	Prof. N. D. Goriya	Assistant Professor	M.E.
14	Prof. P. A. Bhura	Assistant Professor	M.E.
15	Prof. N. S. Chowdhary	Assistant Professor	M.E.
16	Prof. N. V. Nagekar	Assistant Professor	M.E.
17	Dr. R. N. Vaza	Assistant Professor	Ph.D.
18	Prof. S. R. Patel	Assistant Professor	M.E.
19	Shri C. R. Upadhyay	Computer Programmer	
20	Shri J. G. Prajapati	Lab. Assistant	

LABORATORY DETAILS



Project Lab :8112

The project lab has number of computers. This lab is dedicatedly used for project and design engineering subject. Students can perform their project related work. Sufficient number of PC, laptop points and other required infrastructure is available in this lab.

Programming Lab 1:8113

The department is having programming lab for students where they can perform their experiments. This lab contains number of Computers with Internet connection. This lab is dedicatedly used for subjects such as DBMS, OS, CG, CoS, SE, Compiler Design and Python.



Programming Lab 2:8115

The department is having programming lab for students where they can perform their experiments. This lab contains number of Computers with Internet connection. This lab is dedicatedly used for hardware related subjects such as digital fundamentals, COA, CN, Block chain and IoT.

PPS Lab: 8116

The department is having Programming for Problem Solving lab for students where they can perform their PPS experiments. This lab contains number of Computers with Internet connection.



Programming Lab 3: 8117

The department is having programming lab for students where they can perform their experiments. This lab contains number of Computers with Internet connection. This lab is dedicatedly used for software/hardware related subjects such as .Net, MCWC and cloud computing.

Seminar Room : 8119

The Seminar Room is a space that seats up to around 120 people. Featuring a large whiteboard, 2 medium-sized tables, a podium, and a projector and small speaker set (in the media closet), fully air-conditioned, the Seminar Room is the ideal location for a guest lecture, a meeting, or a conference. The seminar room is one of the state-of-art facility in the college. It is equipped with the audio system and projection facilities. Lectures of prominent people, seminars and discussions are organized here. The hall is often used for Debates, Seminars, Council meeting and society's events etc.



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.

INFORMATION TECHNOLOGY DEPARTMENT

VISION - INFORMATION TECHNOLOGY

To become a prominent department producing technically competent and skilled intellectual IT professionals with research, innovation and entrepreneurial skills, inculcating moral values and societal concerns.

MISSION - INFORMATION TECHNOLOGY

- To create globally competent students having ability to provide technical solutions in the field of Information Technology.
- To create facilities and expertise in the field of Information Technology where students and faculty can enhance their understanding of technology.
- To enhance industry institute interaction programme to get acquainted with corporate culture.
- To induce moral, ethical values and spirit of social commitment.

FACULTY DETAILS - INFORMATION TECHNOLOGY

Sr. No.	Name	Designation	Qualification
1	Dr. S. A. Vahora	Associate Professor & Head	Ph.D.
2	Dr. M. N. Patel	Associate Professor	Ph.D.
3	Prof. H. R. Patel	Assistant Professor	M.E.
4	Prof. V. A. Rathod	Assistant Professor	M.E.
5	Dr. S. A. Chauhan	Assistant Professor	Ph.D.
6	Dr. N. N. Maltare	Assistant Professor	Ph.D.
7	Prof. A. D. Chaudhari	Assistant Professor	M.E.

LABORATORY DETAILS



Project Lab : 8212

The project lab has number of computers. This lab is dedicatedly used for project and design engineering subject. Students can perform their project related work. Sufficient number of PC, laptop points and other required infrastructure is available in this lab.

Programming Lab 1: 8213

The department is having programming lab for students where they can perform their experiments. This lab contains number of Computers with Internet connection. This lab is dedicatedly used for subjects such as DBMS, OS, CG, CoS, SE, Compiler Design and Python.



Programming Lab 2:8215

The department is having programming lab for students where they can perform their experiments. This lab contains number of Computers with Internet connection. This lab is dedicatedly used for hardware related subjects such as digital fundamentals, COA, CN, Block chain and IoT.



PPS Lab:8216

The department is having Programming for Problem Solving lab for students where they can perform their PPS experiments. This lab contains number of Computers with Internet connection.



Programming Lab 3:8217

The department is having programming lab for students where they can perform their experiments. This lab contains number of Computers with Internet connection. This lab is dedicatedly used for software/hardware related subjects such as .Net, MCWC and cloud computing.



Seminar Room

The Seminar Room is a space that seats up to around 120 people. Featuring a large whiteboard, 2 medium-sized tables, a podium, and a projector and small speaker set (in the media closet), fully air-conditioned, the Seminar Room is the ideal location for a guest lecture, a meeting, or a conference. The seminar room is one of the state-of-art facility in the college. It is equipped with the audio system and projection facilities. Lectures of prominent people, seminars and discussions are organized here. The hall is often used for Debates, Seminars, Council meeting and society's events etc.





SCIENCE AND HUMANITIES DEPARTMENT

This department is accommodated in the main building. This interdisciplinary department is engaged in teaching subjects of Mathematics, English, Contributor Personality Development, Physics and Effective Technical Communication.

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 the students consist of experiments like Hall effect, Four Probe resistivity meter, Ultrasonic velocity meter, Hysteresis curve tracer etc. English language is taught through language lab and various other co-curricular activities. The laboratory has rich collection of BBC documentaries based on Science and Engineering. The department consists of highly qualified and well experienced faculty members.

FACULTY DETAILS

Sr. No.	Name	Designation	Qualification
1.	Dr. M. A. Patel	Associate Professor & Head	M.Phil., Ph. D.
2.	Dr. Z. A. Patel	Associate Professor in Mathematics	M.Sc., Ph.D. in Mathematics
3.	Dr. L. S. Narsingani	Associate Professor in Mathematics	Ph.D.
4.	Dr. D. J. Prajapati	Assistant Professor in Mathematics	M.Sc, M.Phil, PhD in Mathematics
5.	Prof. M. R. Tiwari	Assistant Professor in Mathematics	M.Sc, M.Phil. in Mathematics
6.	Dr. K. B. Naik	Assistant Professor in Mathematics	M.Sc, PhD in Mathematics
7.	Dr. R. P. Khatri	Assistant Professor in Physics	M.Sc, PhD in Physics
8.	Dr. D. H. Sahay	Assistant Professor in Physics	M.Sc, PhD in Physics
9.	Dr. G. N. Limbad	Assistant Professor in English	M.A., PhD in English
10.	Prof D. J. Bhayani	Assistant Professor in English	M.A. in English



Seminar Room: Each department has its own seminar room equipped with audio visual aid.

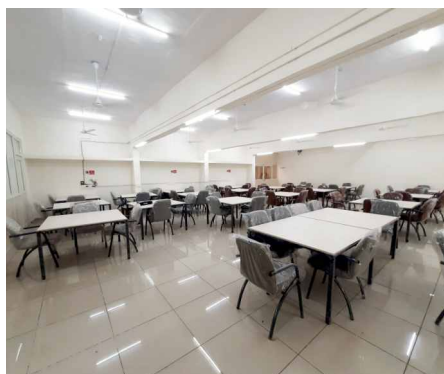
Computer Facility: Each department has its own computer center with net connectivity of 100 MBPS lease line of NKN for internet and all the centers are connected with internet facility.

Video Conferencing System: College is connected through video conferencing system with DTE office, Gandhinagar.

CCTV Surveillance System: Campus is secured with 58 CCTV cameras connected with central monitoring system to monitor the class room activities from Principal office and from DTE office.

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

Library



About: The Central Library of the institute is the hub for information services in the institute, gathering place for the faculties and students of diversified technological areas and also serves as a major learning and resource centre. It is a creative and innovative partner in supporting the teaching, learning, scholarship and research activities of the institute.

Location of Library: Library is located in LRC Building, which includes Librarian cabin, news paper reading area, book issue and return area, reference section, digital library section, magazine section and reading room facility with wi-fi internet facility.

Library Information:

Total Library Area (in Sq. m) : 293.27

Total Reading Area (in Sq. m) : 116.09

Number of seats in reading space : 100

Library Networking Facility : Yes (NKN Local internet of 100 MBPS as well as Namo-WiFi facility)

Library Membership: All students and faculty members of the institute are to be registered as Member of library at free of cost. Book borrowing rights are given to all Students (UG/PG) and faculty members, subject to follow the defined rules and regulations.

Care of library borrower cards: Take special care to maintain the library borrower cards. Do not fold, alter entries made on the cards, Members are responsible for the entire set of library borrower card issued to them.

Loss of cards: Loss of borrower card should be reported to the librarian. Duplicate card may be issued against formal application.

Library Services: Library serves as a resource center and aims to develop a comprehensive collection of documents useful for faculty and students of the institute and provides an efficient distribution of knowledge.

Library Resources: The collection in the library encompasses 24862 books of 8978 titles varying in subjects like Engineering, Management, Basic Science and Humanities and also includes reference books and other e-resource.

Volume Details:

Course(s)/ Department	Total Volume	No. of Titles
Mechanical / Automobile Engineering	4811	1110
Civil Engineering / Applied Mechanics	3873	1457
Computer Engineering / Information Technology	5178	1476
Electrical Engineering	2312	668
Electronics and Communication Engineering	4186	1347
General	2163	901
RUSA Section	290	201
IS Code	2049	1818
Total	24862	8978

Digital Library:



- All books are facilitated with barcode for software based data management. All library services are managed by software (Soul 3.0). Book issue/return facilities, book search option, student/faculty usage history is managed through Soul 3.0 software.
- Separate space in reading room provided for digital library comprising of 10 personal computers connected with networking, as well as Namo Wi-Fi facility for accessing all e-Resources.
- Major e-resources such as IEEE Knimbus Open ebooks, JSTOR, Bloomsbury, Knimbus Multimedia, Taylor and Francis, Science Direct, Cambridge University Press, Springer, IEEE under GTU Knimbus e-library which are accessible to the faculties and students community in the library.
- Knimbus digital library With the help of Gujarat Technological university, institute is facilitated with Knimbus online access portal for free access of available books and journals. For online search facility; someone has to visit website Knimbus Link
- For user id and password please contact library Staff Members.
- NDL library for accessing e- resources With the help of National Mission on Education through Information and Communication Technology, each student and faculty of this institute is facilitated with National Digital Library for online access portal for free access of available books and journals. For online search facility; someone has to visit website NDL Link

- Separate Login id and password is issued to Each student and faculty of this institute. For getting login id and password you may feel free to contact library staff members.
- GTU Online e-resources With the help of Gujarat Technological university, institute is facilitated with online access portal for free access of available books and journals. For online search facility; someone has to visit website GTU Online Resources Link
- No user id and password required for access the online library facility
- Journal Section General magazines and news letter are displayed in magazine/Journal section. The latest issues are displayed on display rack and other previous issues are available with record room. Bound volumes of periodicals are arranged in rack and are meant only for reference within the library.
- **Reading Room:** A reading room with seating capacity of 100 students is available in central library section. A well-furnished and illuminated location creates an atmosphere of serenity that motivates the readers to have effective learning and research activities. This area is also covered under Namo wi-fi network as well as local internet points for easy usage to students/faculties.
- Admission to Library Students are allowed to enter the library only on production of their authorized/valid Identity Cards.
- Library timings (Monday to Friday and working Saturday): 11:00 A.M. to 5:30 P.M.

Hostel Facility:



Hostel Information:

The College has a Boys Hostel near its campus having five independent blocks to accommodate students, who come from the different parts of Gujarat and from other states. The Boys Hostel has provision for accommodation for around 810 students in 270 rooms across various semesters. The Girls Hostel is having accommodation capacity of 100 Girls students (Block F). The admission at hostel is given based on the merit rank, department wise and category wise as per the norms of Government of Gujarat. Students can stay in the hostel for maximum up to six semesters (3rd Year) only. The Mess is operated twice a day at lunch and at dinner. Three students are allocated in each room. Each room consists of three steel beds, three chairs, three wall cupboards and three tables. All admitted students have to follow the rules and regulation of Hostel given in the following link:

https://gecmadasa.ac.in/assets/data/facilities/4_Hostel%20Rules%20and%20Regulations.pdf

Organizational structure of Hostel:

Hostel Management Committee:

A. The following officers constitute the Hostel Management:

- I. Principal
- ii. Rector
- iii. Assistant Rector
- iv. Warden
- v. Care taker
- vi. Clerk

B. Institute Disciplinary Committee:

The following officers constitute the Institute Disciplinary Committee:

1. Principal
2. All Head of the Departments
3. Rector or Assistant Rector

Rector : Dr. U. V. Shah (Room No – 6106 – Mechanical Engineering Department)

Assistant Rector : Prof. P. V. Patel (Room No – 4212 – EC Engineering Department)

Prof. P. R. Gamit (Room No – 8115 – Computer Engineering Department)

The administration structure of hostel is shown as below.

Description of Work	Staff Incharge		
	Block	Warden	Care taker
Warden and Care taker	A	Prof A. D. Chaudhari (Room No. 8217 Info. Tech. Dept.)	Prof. J. P. Pandya (Room No. 1216 Civil Engg. Dept.)
	B	Prof. D. J. Bhayani (Room No. 1203 General Dept.)	Prof. D. B. Sathvara (Room No. 1211 Applied Mechanics Dept.)
	C	Prof. M. M. Bhunga (Room No. 1217 Applied Mechanics Dept.)	Prof. N. V. Nagekar (Room No. 8213 Computer Dept.)
	E (Gr. Flr.)	Prof. A. K. Dodiya (Room No. 8115, Computer Dept.)	
	E (1st Flr.)	Prof. M. G. Patel (Room No. 6217 Mech. Engg. Dept.)	
	E (2nd Flr.)	Prof. S. G. Patel (Room No. 8117, Comp. Dept.)	
	E (3rd Flr.)	Prof. J. R. Bhavsar (Room No. 2107, Mechanical Dept.)	
	F	Prof. Samruddhi P. Patel (Room No. 6216 Mech. Engg. Dept.) Prof. Minal V Chauhan (Room No. 8116 Comp. Engg. Dept.) Prof. Shilpak Rana (Room No. 4117)	Prof. Nehal S. Chowdhary (Room No. 8116 Comp. Engg. Dept.) Prof. Hinal B. Thakar (Room No. 1221 Civil Engg. Dept.) Prof. Rinkal J. Prajapati (Room No. 8113 Comp. Engg. Dept.)
	Clerk - F Block : Smt. Y G Kazi (Room No. 2102, Mech. Engg. Dept.)		
Civil Works	Prof. D. A. Sagar (Room No. 1219, Applied Mechanics Dept.)		
Electrical Works	Prof. J. B. Pujara (Room No. 7201-C, Electrical Engg. Dept.) Shri S. J. Patel (Room No. 7111-B, Electrical Engg. Dept.)		
Administrative Work	Shri H. M. Vankar (Room No. 6203, Mechanical Engg. Dept.)		

Student Section Activity:

The main objective of the student section is to address various student related administrative work. With the help of faculty coordinators and office staff, it provides necessary certificates to be authorized by the Institute head and assists the students to avail benefits of various state/national/private-trust schemes.

Admissions, transfer and Certificates:

1. Reporting/Registration of newly admitted students-ACPC/ICCR/MHRD
2. Bonafide/Character certificate for passed out and current students.
3. Semester term fees notification and collection of fees.
4. Bus/Train pass authorization.
5. Smart identity Card for new admitted students and duplicate Identity Card Issuance.
6. Transcript/Migration certificate for other Universities.
7. Institute transfer related matters.
8. Education verification of pass out students for third party and Government agencies.
9. Specific certificates asked by student for authorization.

Scholarships and others

1. Scholarships: SC/ST/SEBC/PH/PG/MYSY/KCG and all special schemes of Government/All other schemes.
2. Provide student related institutional information and statistics to the head office/ other Govt. agencies.
3. Admission cancellation.
4. Distribution of student grade card and provisional certificates.
5. Education loan under PM Vidyalaxmi Scheme: The complete information and details about the scheme are available at PM Vidyalaxmi portal (<https://pmvidyalaxmi.co.in>)

GTU Section

Location: Room No:1135, Ground floor, Main Building

This section acts as a connecting link between the institute and the university. It coordinates all the activities related to the GTU. Following are the few important activities done by this section:

1. Enrollment of the students in GTU.
2. All the exams related activities like
 - Filling of exam form.
 - Rechecking/ reassessment etc.
 - Conduction of exam.
 - Result related issues.

In addition to the above mentioned activities, the section is also involved in solving any GTU related issues/queries of the students and the faculties.

Officer Bearers:

1. GTU Coordinator: Dr. D. H. Sahay, Associate Professor, General Dept.
2. GTU Co-Coordinator: Dr. B. A. Brahmbhatt, Assistant Professor, General Dept.
3. Liaison officer (General): Prof. M. A. Fareediwala, Assistant Professor, Applied Mechanics

For smooth functioning, a department level GTU liaison officer has also been designated for all the departments.

Important Cells:

Cell	Designation	Name of Officer
Gymkhana	Vice President	Dr. U. V. Shah
NCC, NSS	Convener	Dr. A. J. Patel
Anti Ragging Cell	Coordinator	Dr. U. V. Shah
Women Development Cell	Coordinator	Dr. S. K. Rana
Internal Grievance & Sexual Harassment Redressal Cell	Coordinator	Dr. P. J. Patel
SC Internal Complaint Prevention Cell	Coordinator	Dr. S. S. Singh
GTU Cell (Room No.: 1135)	Coordinator Co- Coordinator	Dr. D. H. Sahay
Placement Cell	Coordinator Co- Coordinator	Dr. M. M. Goyani Prof. P. M. Mistry
RTI Cell	Coordinator Co- Coordinator	Prof. D. A. Sagar Prof. R. P. Khatri
Student Section	Coordinator Co- Coordinator Jr. Clerk	Dr. L. S. Narsingani Prof. K. K. Bhatt Shri. M. G. Kazi
Student Scholarship	Coordinator Co- Coordinator	Dr. L. S. Narsingani Prof. H. I. Chaudhary
Library	Coordinator Co- Coordinator	Dr. N. V. Upadhyay Prof. K. V. Fadadu
Hostel Rector and Worden	Rector Warden Block – A Warden Block – B Warden Block – C Warden Block – D	Dr. U. V. Shah Prof. A. D. Chaudhari Prof. D. J. Bhayani Prof. M. M. Bhunga Prof. M. G. Patel
Account Section In-Charge	Coordinator Cashier	Dr. S. S. Singh Shri. A. L. Kharadi
Administrative Officer	Administrative Officer	Shri D. A. Sagar
Establishment Section	Office Superintendent	Smt. P. K. Prajapati
Mentor International Students -ICSR	Coordinator Co- Coordinator	Prof. M. M. Makwana Prof. S. V. Banker
MIS, COGENT, Mobile Attendance System	Coordinator Co- Coordinator	Dr. S. A. Vohra Prof. U. R. Bhoi
Microsoft Teams Coordination	Coordinator Co- Coordinator	Dr. M. M. Goyani Prof. A. A. Prajapati
Alumni Association	Coordinator	Dr. A. A. Prajapati
Admission & Help Centre	Coordinator Co- Coordinator	Dr. A. H. Dafda Prof. A. K. Dodiya

Important Contact Numbers:

Office Name	Helpline / Contact Number
Police	100
Fire brigade	101
Ambulance	102
Ambulance (emergency)	108
Women harassment	181
Blood bank	1910
Mukhyamantri Amrutam Yojna helpline number	18002331022
Child line Service	1098
Traffic Control	103
Railway Helpline Number	139
Complain against corruption	1064/180023344444
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
Gujarat Technological University, Ahmedabad	079-263011500
Public Health Centre, Modasa	02774-246526
Post Office, Modasa	02774-246481
Department of Technical Education, Gandhinagar	https://dte.gujarat.gov.in

INSTITUTE ACHIEVEMENTS AND ACTIVITIES

Institute Achievements:

- Mechanical Program of the Institute received NBA accreditation for the year 2021-22, 2022-23 & 2023-24 up to 30/06/2024.
- MHRD DIC project worth Rs. 25 lacs is awarded for Design Innovation activities, (2018)
- SSIP project worth Rs. 20 lacs is awarded under Student Start-up & Innovation project of the State Government (2017,2023)
- GUJCOST set up Design Laboratory & equipment worth Rs. 20 lacs given to the for nurturing design activities in the institute (2019)
- Nodal partner of the Anchor-Nodal Project of MHRD for training to the faculties in the emerging areas (2018)
- MoU made with IIT Bombay for Spoken Tutorial project (2021)
- Institute is funded by RUSA, KCG & GKS for various value added courses for the students.
- The Institute approved and supported 11 PoC under SSIP during 2024
- 02 Patents filed and 11 Seminar / Workshops done under SSIP during 2024
- New Girls' Hostel, F-Block, of 100 capacity with all state-of-the-art facilities like fully furnished rooms, Mess, Solar water heater, RO systems, Rain Water harvesting etc. started in the campus from the academic year 2021-23.

Institute Honor

Awarded as **"Excellent Performance in Online Education"** under UDAYAM Project of Education Department, Government of Gujarat on the occasion of Teacher's Day, 5th September, 2020.



Institute Activities:

Swarajya Jashan 2k25

The Technopreneur Club celebrated Swarajya Jashan 2K25 on 24th January, blending cultural pride with a modern tech touch through engaging activities and inspiring performances. The energy continued on 26th January with a vibrant pre-Republic Day celebration, featuring patriotic displays and innovative showcases. Both events fostered creativity, unity, and national pride, leaving attendees with a sense of inspiration and enthusiasm.



SSIP Activities: SSIP Awareness Programme in Computer Engineering Department Activities

On March 28, 2024, an SSIP (Student Startup and Innovation Policy) Awareness Session was held at the Department of Computer Engineering & Information Technology, specifically in Room No: 8119 and 8219, Seminar Hall. The session, attended by 123 students, aimed to educate participants on innovation and startups, encouraging them to turn their ideas into products. The session focused on the significance of the SSIP 2.0 policy, which is designed

to foster a culture of innovation and entrepreneurship among students. Attendees were informed about the various benefits of SSIP, including financial support and mentorship, which are crucial for developing prototypes and launching startups. The speakers provided detailed guidance on how to apply for SSIP grants, emphasizing the importance of utilizing these resources to bring innovative ideas to life.



Swachhata Hi Seva

The Government Engineering College proudly participated in the "Swachhata Hi Seva" initiative, focusing on campus cleanliness and eco-friendly activities. As part of the drive, several key activities were organized, including an elocution competition, essay writing on the importance of cleanliness, and extensive cleaning of the boys' and girls' hostels, gymkhana, and other parts of the campus. In conjunction with these activities, the college also conducted a plantation drive under the government initiative "Ek Ped Ma Ke Liye." This drive further reinforced our commitment to environmental conservation, with the plantation of large trees such as Ashok, Neem, Pipal, and Banyan around the campus grounds. Event Details: Date: 16/09/2024 to 22/09/2024, Time: 9:00 a.m. After forming teams and distributing plants, participants took an oath to nurture the trees and lead eco-friendly lifestyles. Rules for Participants: 1. Cleaning the campus and will collect the solid waste 2. Collected waste needs to be disposed properly 3. The oath to keep the



surrounding clean is to be taken Note: Participation was voluntary, and students were advised to wear protective shoes and jeans. Safety and mindfulness of surroundings were emphasized during the plantation activities. Objectives: 1.To fulfill our commitment to society and Mother Nature. 2.To prevent soil erosion by providing tree cover. 3.To strengthen the connection between humans and nature. 4.To enhance the green cover on campus. Future Goals: 1.To create a more scenic and eco-friendly campus. 2.To apply permaculture techniques for rejuvenating the land and surroundings.

RUSA Activities during 2022-24:

1. Total 93 students who underwent industrial training at the **International Automobile Centre of Excellence (iACE)** in Gandhinagar. The training covered Electric Vehicle & Hybrid Vehicle and Autotronics and took place from November 6, 2023, to November 10, 2023. The cost of the training amounted to Rs. 6,97,500/-, and it was paid by the Education Department.
2. Total 25 students who underwent industrial training at the **International Automobile Centre of Excellence (iACE)** in Gandhinagar. The training covered Plastic Technology, Welding technology and Autotronics and took place from September 25, 2023, to September 29, 2023. The cost of the training amounted to Rs. 1,87,500/-, and it was paid by the Education Department.
3. Our institute implemented the **IIT spoken tutorial online course under the IMPACT scheme in two phases**. In total, **396 students were registered** for various online courses, including GIT, Android app using Kotlin, Python, OpenModelica, OpenFOAM, QCad, SciLAB, Arduino, eSim, etc. Out of the registered students, 94 appeared for the examination, and 79 students successfully received the final certification from IIT Bombay.

It's great to announce that our institute has successfully completed a module of the Finishing School program focusing on communication, skill development, and employability. The participation of 55 students in this program indicates a commitment to enhancing not only technical knowledge but also crucial soft skills that are essential for success in the professional world.



Training at International Automobile Centre of excellence (iACE), Gandhinagar on different topic like Electrical vehicle and Hybrid vehicle, Autotronics, painting technology, welding technology etc.

Placement Fair 2024 Aravalli District

- A placement fair of entire Aravalli district was hosted at Government Engineering College, Modasa on 05/03/2024. Total 11 institutes (Government and Grant in Aid) have participated in this fair. 27 companies and 324 students have been the part of this fair. The fair was conducted in blended mode. Few companies were invited in college campus, whereas few industries conducted interviews in online modes such as google meet, MS Team, Zoom meet etc. 101 students have been placed in these 27 companies.



Placement Details:

- The Training and Placement Cell of GEC, Modasa provides guidance and all the assistance to the students in order to achieve their career goals. Requisite emphasis is given for soft skills development complementing the regular academic programs. Aptitude tests, Group Discussions, Job oriented courses and special training programs are regularly conducted. We also organizes guest lectures and invites visiting faculty members from renowned institutes for training students and faculty members as well. The Objective of the placement cell is to facilitate the process of placement & ensure that each eligible student gets an opportunity in the industries. The college is in the process of signing MOUs with many industrial organizations and industrial chambers to provide some of the best placements in India. Technical paper presentation contests are held in collaboration with industries to discuss new developments and trends. Our Alumni are presently working at India's best corporate, ensuring high pay scale and job security. Other than this, we are hopeful of further improving our placement opportunities, activities and avenues in the near future while working in association with our powerful Alumni in Gujarat and across the country.

Placement Cell Statistics

Year	2024-25	2023-24	2022-2023
Total Students	123	180	323
Selected			

OUR RECRUITERS



WELCOME TO G.E.C. MODASA