

ACADEMIC YEAR
2023-24
AT A GLANCE



GOVERNMENT ENGINEERING COLLEGE
PALANPUR

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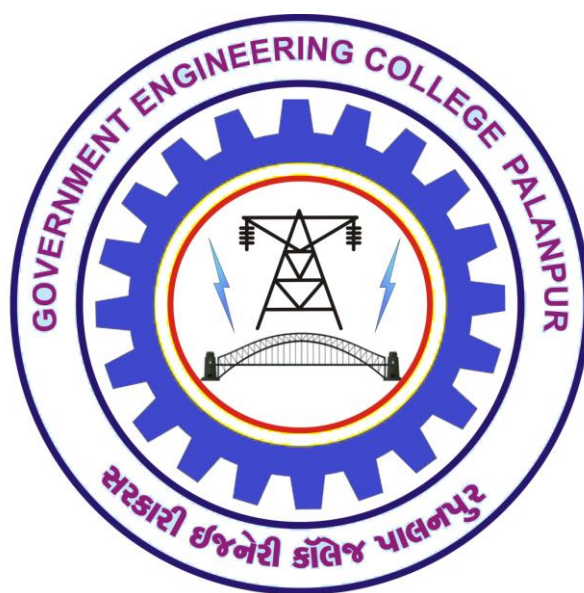
VISION AND MISSION

VISION

"To be a leading technical institute facilitating transformation of human resources into socially responsible engineering professionals for sustainable development"

MISSION

- (1) To achieve academic excellence by developing state-of-the-art laboratories and academic infrastructure.
- (2) To create an ecosystem that promote value based technical education, innovation and entrepreneurship for sustainable development.
- (3) To contribute to industry and society by providing technical and consultancy services.
- (4) To enhance technical competencies of human resources by providing need base trainings and quality improvement programs.



ESTD : 2009

अभियान्त्रिकीज्ञानम् जनकल्याणम्

MESSAGE OF THE PRINCIPAL

Welcome you all,

I hope you are in good health and spirits!

Technical Education contributes towards sustainable development of the nation. As Bharat aims to become knowledge power by 2030, with rapid increase in the quantity of technical students – more focus is required on conceptual clarity, competency, creativity and cognitive skills of graduates. A quality degree level technical education must enable personal accomplishment and enlightenment, constructive public engagement and productive contribution to society. The purpose of quality education is more than the creation of greater opportunities for individual employment. NEP 2020 envisions a complete transformation of higher education to overcome national and global challenges. The digital skilling program in emerging and future technologies is focussing on skilling, reskilling and upskilling students via internships, apprenticeships, and employment to one crore students.

The institute is constantly focussing on transformation of young human brains into socially responsible professionals for sustainable development. Continuous efforts have been applied by our young and dynamic professors to ensure outcome-based education (OBE). UG Mechanical Engineering program received the status of NBA Accreditation till 2025, is the result of dedicated efforts/involvement of all stake holders towards OBE. The ecosystem to nurture innovation, research and entrepreneurship is in practice with the support of government and institutional initiatives. In year 2021-22 faculty and students published four patents and two proof of concepts in the field of renewable energy and environment. Inline with digital skilling program mandatory internships for all final year engineering students are in practice. Various student clubs are motivating and supporting students for skilling in emerging and future technologies. Almost all faculties are engaged with various activities/initiative for cumulative professional development and overall development of students and institute at large.

I on behalf of the institute express heartfelt gratitude to all stakeholders upholding the values embodied in the vision and mission. I ensure you to provide quality technical education to students and transform them into socially responsible, competent professional engineer for their services to the nation. What we all need is dedicated involvement of student in respective program, participation in campus activities, patience, optimism and firm faith in nature. Every student shall spend 40-50 hours/week towards his career building. Our dedicated professors will mentor you for opportunities available for you according to your life goals. We must remain positive and keep our hope alive. You are free to contact the counsellor and if needed you are most welcome to send your questions, queries, problems or suggestions at my official email address.

Let's learn together and contribute best to the nation "Bharat" !
All the best! Stay home, stay safe. This too shall pass. God bless!

Dr. K. B. Judal

MOTIVATIONAL MESSAGES BY HODs AND TPO

Civil Engineering Department

Dear students,

Welcome to the department of civil engineering at government engineering college, Palanpur. Civil engineers design, construct, supervise, operate, and maintain large construction projects and systems, including roads, buildings, airports, tunnels, dams, bridges, and systems for water supply and sewage treatment. Civil engineering is one of the most critical disciplines for providing solutions for an ever changing society, whether it's the roads and bridges that we drive on, the foundations and buildings that we occupy in or the clean air and water that we need. The role of civil engineers are everywhere and will become even more essential for developing nations like India.

Our fully dedicated senior and qualified faculty members look forward to continuing our leadership in preparing the future technocrats in the field of civil engineering, engineering leaders that are capable of engaging in new technologies in the field of civil engineering and providing effective solutions to complex civil engineering problems. We have started consultancy services to the construction industries and rural areas. Our faculties are actively engaged in providing outstanding educational as well as practical exposure to the students.

With this, I wish all of you good luck and have a pleasant and wonderful four years journey at the civil engineering department, GEC, Palanpur.

Dr. G. M. Savaliya

Electrical Engineering Department

It's my honour to welcome you to the Department of Electrical Engineering and our great community of intellectual. The department of electrical engineering was established in 2009 along with the inception of the institute and is affiliated to the Gujarat technological university, Ahmedabad. The department is well equipped with all major laboratories like basic electrical engineering lab, electrical machine lab, control laboratory and others. We are a team of 10 highly qualified, dedicated and experienced faculty members who encourage the students to develop problem solving skills and research attitude. The faculties of electrical department are actively engaged with colleagues in taking pivotal technical problems of society. We not only teach regular curriculum to the students, but also mentoring them regularly. Being a head of department i except each in his or her path should be a leader.

The department has been blessed with many good students since its inception. Many of them are serving at good position in the industries and government sectors. Some of our students have preferred higher studies in the reputed Indian/foreign universities. We regularly arrange an industrial visit for our students to explore their practical skills. Our department is committed for providing excellence in classroom infrastructure, enrichment of the academic and professional experience of students, outreach to the engineering community and society, and advancement in electrical engineering. We are trying our best to transform the knowledge, wisdom, confidence, responsibilities, optimism, motivation, persistence, strong work ethic, self-advocacy, and awareness to our students.

Prof. Bhavesh R. Patel

Mechanical Engineering Department

Mechanical Engineering is the mother of all branches of engineering. Contributions by this branch are enormous in the growth of technology over the centuries. I think it can be best summed up with a slogan from our professional body, the Institution of Mechanical Engineers – ‘Nothing moves without Mechanical Engineers’. Whether it is an aircraft, car, train or satellite, mechanical engineers play an important role.

Government engineering college Palanpur (GECPL) is really delighted to express that the mechanical department stands on the strength of experienced and well qualified faculty with Excellent laboratory facilities, modern computer clusters and systematically designed curriculum and dedicated faculty members make this department a dynamic place to study. Graduates from the Department of Mechanical Engineering are highly-employable and sought after by many prestigious companies.

Recently the department has been accredited by National Board of accreditation, New Delhi (NBA) for the year 2022-2025. An accredited degree means that graduates are deemed to have met part or all of the academic requirements and are in a strong position to move on to achieve professional engineering status after a period of initial professional development in industry.

The Department aims to create and shape the new generation of mechanical engineers through their innovative teaching methods and practical knowledge. Department also cares for students with an effective mentoring system to counsel them regularly. We are confident; our students will always make us proud from their performances wherever they are.

Prof. Dr. Dhaval M. Patel,

Mining Engineering Department

The Department of Mining Engineering at GEC, Palanpur in Gujarat runs a four-year B.E. programme in Mining Engineering since 2009. We have significant undergraduate student numbers that are well accepted in the market. The department is in a healthy state, which serves as a sound foundation for future development of its teaching, research and community service; our undergraduate programme is complemented by our various institutional level programs that provide the non-technical skills that are required to thrive in the industrial revolution. The development of our students as future managers and technical specialists remains a priority and the development of life skills and responsible leadership through participation in student activities is continuously encouraged.

Dr. S.K.Singhal

Training & Placement Officer

Government Engineering College Palanpur (GECPL), Established in 2009 is a one of the premier Technical Institute in northern Gujarat under CTE, Gandhinagar. The college is affiliated to Gujarat Technological University (GTU) and has recognition of All India Council of Technical Education (AICTE).

GECPL is a leading technical institute in the Banaskantha district grooming the talents of rural youth by propagating globally acceptable education, industrial training and research oriented output. The institute is spreaded in 15 Acres of Land on Palanpur - Ahmedabad Highway near Jagana Village, 6 Km from Palanpur, North Gujarat.

GECPL develops young graduate engineers in five diverse disciplines: Civil Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering and Mining Engineering.

GECPL takes care to groom our students according to the needs of the industries. Students undergo internship training during the final year in reputed industries / organizations / institutions, as a part of their academics. They also have ample industrial exposure by their frequently arranged industrial visits. GECPL also grooming students for their overall development through finishing school programs - trained for life skills, employability skills, English functional skills etc.

State level event - Mega Placement camps are organized for Banaskantha district yearly in liaison with the Education Department and Knowledge Consortium of Gujarat, Government of Gujarat successfully. This Placement Camp aims to serve as a convenient platform between the industries and the final year students of the various colleges. It has provided a good opportunity for both the stakeholders.

It gives us immense pleasure to extend to you a most cordial invitation to participate in the Campus Recruitment Programme of GECPL. Please feel free to contact the Training & Placement Office. Looking forward to a jointly positive relationship.

Prof. Dr. Dhaval M. Patel

Email: tpo@gecpalanpur.ac.in

ACADEMIC EXCELLENCE

ACADEMIC EXCELLENCE

A. SSIP

Activities Summary:

SSIP 2.0 activity for academic year 2023-24

Event Planning Calendar						
Event Calendar	2023-24					
Name of Organisation	Government Engineering College, Palanpur					
<u>Sr.No</u>	Month	Type of event	Event Name	Tentative week of the month (in which Event is planned)	Event Duration (In hours/Days)	Approximate Number of Participants
1	April	Institute level	Sensitization Programme	Third week	2 Hours	100
2	May	Institute level	Expert lecture on "Patent search"	First week	2 Hours	80
3	July	Institute level	Expert talk on "Start-up Journey"	Fourth week	2 Hours	80
4	August	Block level	Sensitization Programme	First week	2 Hours	150
5	August	Block level	Sensitization Programme	Fourth week	2 Hours	100
6	September	Institute level	one day workshop on "ARDUINO"	Second week	1 day	50
7	September	Institute level	Sensitization Programme	Third week	2 Hours	60
8	January	Institute level	Expert talk on "Creative thinking for problem solving"	Fourth week	2 Hours	60

SSIP 2.0 achievements for academic year 2023-24

Total grant received	Rs. 2.0 lac
Total student sensitized	65+114+111+115 = 405
Grant utilized in PoC	Rs. 4257
Workshop / seminar arranged	5

Sensitization Program:One day Work shop:

One day work shop on “Exploring Arduino and NodeMCU”

Date: 03/02/2024

Total no. of Students: 65 + 8

Faculties

A Hands-On Workshop for Engineering Minds On Exploring Arduino and NodeMcu

Speaker

Prof. M. K. Patel
Asst. Prof., Electrical Dept.
GEC Palanpur

Organized by

INSTITUTE SSIP & IIC COMMITTEE, G.E.C., PALANPUR

For Semester II & IV Students only (All Program)
Entry for 1st 30 Students Only

Registration Link:
<https://forms.gle/wkKjzh1FdGkKYRo9>

Date & Venue:
2nd March 2024 (Saturday) from 11.30 a.m. to 03:00 pm
Electrical Seminar Hall Room No. 4012 (Ground Floor)

One day work shop on “i-talk sensitization workshop”

Date: 26/09/2023

Total no. of Students: 114

Welcome to second i-talk sensitization workshop

Jointly organized by NABARD assisted SDAU RBIC, Collector office, Banaskantha & i-Hub, Gujarat

Venue:
Govt. Engineering College, Palanpur

<https://rbic.sdau.edu.in/>

TUESDAY
26th september 2023
10.30 AM

Date & Venue:
26th September 2023 (Tuesday) from 10.30 a.m. onwards
Electrical Seminar Hall Room No. 4012 (Ground Floor)

Expert sessions:**Implementation & Awareness Program on SSIP 2.0 Policy, Institute Innovation Council [IIC] & Idea Lab****Date: 05/08/2023 Total no. of Students: 29 faculties**


A Seminar on

Implementation & Awareness Program on SSIP 2.0 Policy, Institute Innovation Council [IIC] & Idea Lab

Patron



Dr. K. B. Judal
Principal, GEC Palanpur

Organized by
INSTITUTE SSIP & IIC COMMITTEE, G.E.C., PALANPUR

Date & Venue:
5th August 2023 (Saturday) from 03.30 p.m. onwards
Electrical Seminar Hall Room No. 4012 (Ground Floor)

Entrepreneurship step toward 'Atmanirbhar Bharat'**Date: 21/08/2023 Total no. of Students: 111 students + 10 faculties**


21st August
WORLD ENTREPRENEURSHIP DAY



A Seminar on

Entrepreneurship Step toward 'Atmanirbhar Bharat'

Speaker



Prof. R. N. Boka
Assistant Professor
G.E.C., PALANPUR

Organized by
EDC, SSIP & IIC COMMITTEE G.E.C., PALANPUR

Date & Venue:
21st August 2023 (Monday) from 11.30 a.m. onwards
Electrical Seminar Hall Room No. 4012 (Ground Floor)

One day work shop on “i-talk sensitization workshop”

Date: 13/03/2024

Total no. of Students: 115



જિલ્લો બનાસકાંઠા
Banaskantha District



i-Hub
(Gujarat Government Enterprise)



સામાજિક કલ્યાણ
NABARD



SDAU
RURAL BUSINESS INCUBATION CENTER



G20
भारत 2023 INDIA
एकतम एकदुर्गम
ONE EARTH • ONE FAMILY • ONE FUTURE



INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)



SSIP



GOVT. ENGINEERING COLLEGE PALANPUR
ESTD 1969
સામાજિક કલ્યાણ

Welcome to 17th i-talk sensitization workshop

Jointly organized by NABARD assisted SDAU RBIC, Banaskantha Collector Office & i-Hub, Gujarat

 **Venue:**
Govt. Engineering College,
Palanpur

For Semester IV Students only

 www.rbic.sdau.edu.in/

WEDNESDAY
13th March 2024
10:00 A.M.

Date & Venue:
13th March 2024 (Wednesday) from 01.30 p.m. onwards
Electrical Seminar Hall Room No. 4012 (Ground Floor)

B. Other Self-Learning/Online Learning Facilities

NPTEL, Virtual Lab, Moodle, E-Learning

SR. NO.	BRANCH	ONLINE SELF/OPEN LEARNING SOURCE/FACILITY	TYPE OF MATERIAL AVAILABLE/PROVIDED
1.	Civil	http://nptel.ac.in/	Video lectures
2.	Civil	https://ocw.mit.edu/courses/civil-and-environmental-engineering/	Teaching materials used in classrooms
3.	Civil	https://www.vlab.co.in/	Virtual Laboratory Experiments
4.	Civil	https://classroom.google.com/	Teaching materials used in classrooms
5.	Civil	https://www.youtube.com	Video lectures & Laboratory Experiments
6.	Electrical Engineering	http://vlabs.iitkgp.ac.in	Laboratory Experiments
7.	Electrical Engineering	http://nptel.ac.in/	Class notes, assignments, tutorials
8.	Electrical Engineering	http://nptel.ac.in/	Teaching materials used in classrooms
9.	Electrical Engineering	Slideshare.net	Video lectures
10.	Mechanical Engineering	http://vlabs.iitb.ac.in/vlab/	Laboratory Experiments
11.	Mechanical Engineering	https://sites.google.com/view/napatelgec/	Class notes, assignments, tutorials
12.	Mechanical Engineering	http://ocw.mit.edu/	Teaching materials used in classrooms
13.	Mechanical Engineering	http://nptel.ac.in/	Video lectures
14.	Mining Engineering	http://nptel.ac.in/	Video lectures, Teaching materials used in classrooms
15.	Mining Engineering	Slideshare.net	Teaching materials used in classrooms
16.	Mining Engineering	http://vlabs.iitkgp.ac.in	Practical/Lab

C. Major laboratories with major equipments photos and brief description

CIVIL ENGINEERING DEPARTMENT

Surveying Lab



The Surveying Laboratory facilities are located on the ground floor of Civil Engg. block. The lab I/C is Asst. Prof. R. K. Rathod. These laboratories facilitate the students of 1st, 2nd & 4th semester for the courses Basic Civil Engineering (3110004) & Surveying (3140601).

Major Equipments:

Total Station

Electronic Theodolite

Digital Planimeter

Plane Table

Transit Vernier Theodolite

Automatic Level

Dumpy & Tilting Level

Prismatic & Surveyor Compass



Building Construction Lab/Model Room

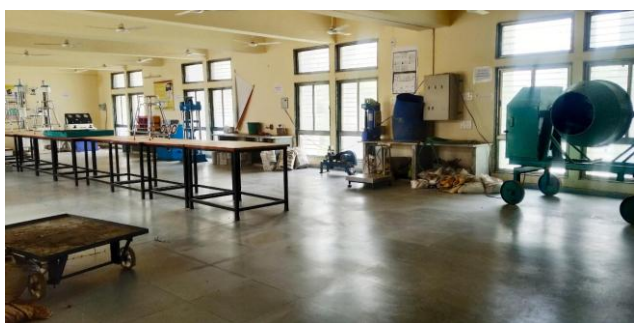


Building construction is a traditional science which deals with the modern method of sound construction incorporating appropriate use of materials, sufficient strength and permanence, maximum utility, and good proportion and grace. The building design has been the responsibility of the architect, though the building construction has been the responsibility of civil engineer. The aim of the building construction practical is to acquaint civil engineers, architects, builders, contractors, with the basics principles as well as current design practices in the construction of building. Building construction is the process of adding structure to real property or construction of buildings.

Environment Engg. Lab

Environmental engineering is a professional engineering discipline and also a branch of

	<p>civil engineering. In the civil engineering Side, it is useful for different infrastructure facilities like water infrastructure, Wastewater infrastructure, Solid waste management etc.</p> <p>Environment Engg. Lab is located on first floor and required well equipped instruments like, PH Meter, Turbidity Meter, Conductivity Meter, Sound level meter Water Quality Analyser, BOD Incubator High Volume Sampler etc.</p> <p>This different equipment is mostly useful for measurement of characteristics of water and waste water.</p>
<p>Transportation Engineering Lab</p> 	<p>The laboratory of transportation engineering in Civil Engineering Department is well equipped with all the required instruments and equipments that are helpful in the overall understanding and practical knowledge of a student. We have the instruments such as Aggregate Impact Testing Machine, CBR, Los Angeles Abrasion Testing instrument, Crushing Strength Test Apparatus, Hot Air Oven, Ductility Test Apparatus, Penetration Test Apparatus, Flash & Fire Test Apparatus, Viscometer and Bitumen Extractor etc. The following are the list of Practicals to be performed in the laboratory.</p>
<p>Computer Lab</p> 	<p>Computer Laboratory is having the capacity of 30 computers with separate students' individual interactions to give through understanding of the course of Computer Programming & Utilization.</p> <p>The Computers are installed with basic all software with downloading facilities for the students by providing separate login id to each students. The laboratory is also used by the final year students for their project/research work. The laboratory is well equipped with UPS and Air conditioning facilities</p>
<p>Concrete Technology Lab</p>	<p>Department has well-equipped laboratories pertaining to Concrete Technology. The Concrete Technology Laboratory is located on</p>



the ground floor of Civil Engg. block. The lab I/C is Asst. Prof. Y. J. Chauhan. The Concrete Technology laboratory is equipped with basic as well as advanced facilities related to field and laboratory testing for evaluation of properties of cement, aggregate, admixture and concrete.

Major Equipments:

Concrete Mixer

Compression Testing Machine (300T)

Flexure testing machine

Mortar Mixer

Motorised sieve shaker

Slump Test Apparatus

Rebound Hammer

Hot Air Ovens

Mechanics of Solids Lab



The laboratory is equipped with various equipment, which enable students to comprehend properties of different materials such as hardness, elasticity, ductility, different types of stresses etc.

Major Equipments:

Universal Testing Machine (100T)

Rockwell cum Brinell Hardness Testing Machine

Izod Impact Testing Machine

Friction Slide Apparatus

Wheel & Differential Axle

Compound Lever Apparatus

Moment of Inertia Flywheel, etc.

Geotechnical Engineering Lab



The laboratory of Geotechnical engineering in Civil Engineering Department is well equipped with all the required instruments and equipments that are helpful in the overall understanding and practical knowledge of a student. We have the instruments such as Direct Shear Testing Machine, CBR, Proctor test Automatic Compactor, Laboratory Permeability test, Sieve shaker, Casagrande Apparatus, Core Cutter, Hot Air Oven, Auger, Split spoon sampler, Consolidation Apparatus etc.

ELECTRICAL ENGINEERING DEPARTMENT

EEE & EEWS Lab



This laboratory is located at a ground floor of Electrical Engineering block.

This lab can accommodate for the 1st year students. The lab has fully equipped setup tables to carry out numerous fundamental experiments in Electrical Engineering. The experiments are designed to expose students to the practical executions of the fundamental theories of Electrical Engineering. This lab is also use for Electrical workshop in this student their practical work and makes different electrical circuits

Major Equipments:-

Auto Transformer

Choke Coil, Temperature Co- Efficient Kit

Load Bank, Different Measuring Meters, Small DC Motors, Gear Mechanism

Electrical Machines Lab



This laboratory provides platform to the students to gain knowledge, obtain a learning experience and acquire expertise in understanding the operating Characteristics, speed control, performance Analysis and Testing of Various Electrical Machine. The laboratory is equipped with the experimental set-ups and students are exposed to hands on design experiments. Main Machines of the laboratory are D.C shunt motor, Dc Shunt generator, three phase alternator, three phase induction motor, Single phase induction motor and Single phase transformer.

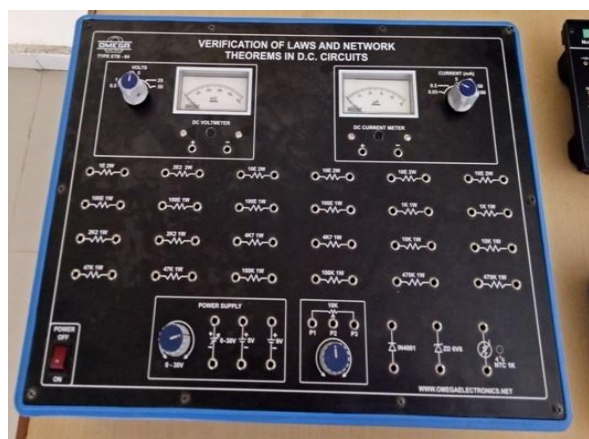
Major Equipments:

1. Control Panel of DC Shunt Motor With Ac Generator
2. Control Panel of Dc Shunt Motor
3. Control Panel of Single Phase Transformer.
4. Control Panel of Three Phase Induction Motor



5. Control Panel of 3 Phase Slipring Induction motor D.C. Shunt Generator
6. Control Panel of Dc Compound Motor Generator Set
7. Control Panel of Three phase transformer
8. Control Panel of Single phase induction motor
9. Single Phase induction motor capacitor start & capacitor run
10. 3 Phase Variac
11. Cut section of shaded pole motor
12. Single Phase Transformer
13. Three Phase Variable Choke Coil
14. Single Phase Variac
15. Single Phase Lamp Bank
16. Three Phase Load Bank

Network and Control Lab



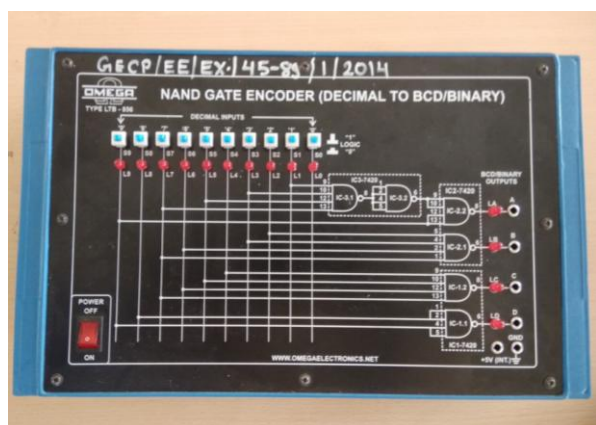
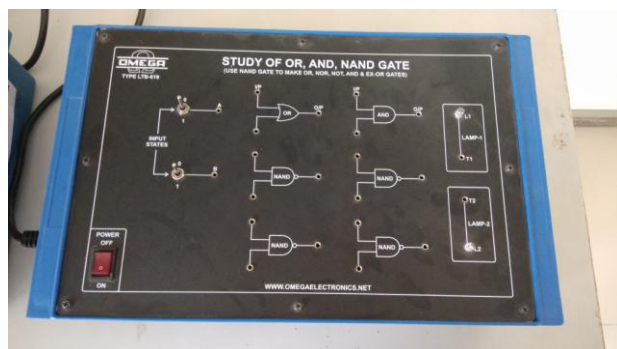
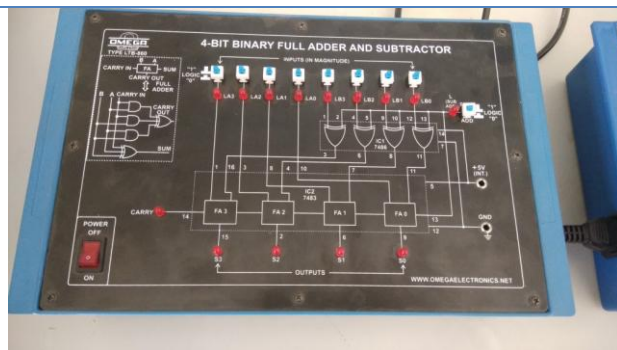
Network and control laboratory is located on the first floor of Electrical Block. This laboratory facilitates the students of 3rd and 5th semester for the courses Circuits and Network and Control System Engineering respectively. This laboratory allows student to Understanding and predicting system behavior and solve complex network using different techniques.

Major Equipments:

1. Verification of laws and network theorems
2. Two Port Networks Trainer kit
3. Time Response of First and Second order Control system
4. Proportional, Proportional integral and Proportional Derivative Control kit.
5. Type-1 and Type-2 System Test Kit.
6. Open loop and Closed loop control system Test kit.

Digital electronics Lab

Digital Electronics Lab facilities are located in the first floor of Electrical block. This laboratory facilitate the students of 4th semester for the Digital Electronics course. This Lab consist of all equipment to understand the Digital Adder, Subtractor, Different GATEs, Digital to analog & Analog to Digital



Converter,

The Lab explores the concepts of Digital world, like working of various sequential logic circuits, functioning of logic gates, their implementation and verification of truth tables

Major Equipments:

1. 4-bit Binary Full Adder and Subtractor
2. OR, AND & NAND Gate
3. NAND Gate Encoder
4. Shift Register
5. Seven Segment Display
6. 8-Bit Analog to Digital Converter
7. 8-Bit multiplying D/A Converter
8. Dual 4-line to 1-Line Multiplexer
9. Universal Logic Gates
10. Bread Board
11. Function Generator
12. Oscilloscope
13. Multimeter
14. Power Supply

Power System Lab

The Power System laboratory is located on the ground floor of Electrical Engineering Block. The students of 4th, 5th, 7th and 8th Semesters are studying various courses of Power Systems such as Power System-I, Power System-II, Switch Gear and Protection, Power System Operation and Control, Interconnected Power System, Power System Planning and Design, etc. This laboratory helps imparting practical skills to the students related to the above-mentioned courses.

**Major Equipments:**

1. Model of Power Generation, Transmission and Distribution system (Made by group of students)
2. MATLAB Software

The purchase procedure for many more equipment related to the above courses is also initiated.

Basic & Power Electronics Lab

The Electronics laboratory facilities are located in the first floor of Electrical block. The facility has been developed by Asst. Prof. B. R. Patel. This laboratory facilitates the students of 2nd, 5th and 6th semester for the courses Basic Electronics (2110016), Power Electronics-I (2150903) and Power Electronics-II (2160902). Electronics lab aims :

To provide students engineering skills by way of breadboard circuit design with electronic devices and components.

To design and analyze various Electronic circuits such as multivibrators, applications of operational amplifiers, RC coupled amplifiers, oscillators, digital circuits etc. so that students are able to understand the practical aspects of basic electronics theory.

To enable the students to simulate and test the Analog, Digital and mixed Electronics circuits.

All details of construction and working of every component are clearly exposed.

Major Equipments:

1. IGBT Characteristics trainer
2. 30 MHZ D.S.O.
3. Function Generator
4. AC Chopper
5. Step Up Chopper
6. Jone's chopper

Electrical Measurement Lab

The Measurement laboratory facilitates the students of 3rd and 7th semester for the courses EMMI (2130903) and Industrial

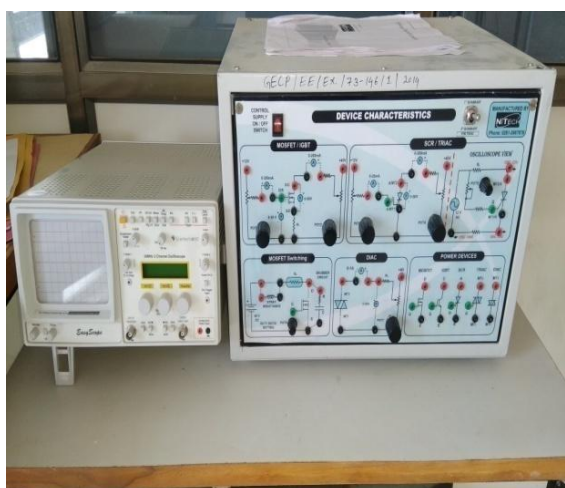


Instrumentation (2170913). The Measurement laboratory is involved in all the areas of study, related to measurement and calibration. It is equipped with all measuring instruments, phase shifting transformers, and bridge circuit etc. Here students learn to calibrate the meters, verify theorems, and understand hysteresis characteristics. Also students perform the experiments and study related to measure a physical quantity in instrumentation courses & other important concepts related to measuring.

Major Equipments:

1. Trainer kits of displacement measurement using synchro, LVDT.
2. AC / DC position control system.
3. Trainer kit temperature measurement
4. Trainer kits of different bridge circuit like Wheatstone bridge, Kelvin's double, Maxwell's L/C bridge, Owen's bridge, Schering bridge etc.

Analog Electronics Lab



Analog Electronics Lab facilities are located in the first floor of Electrical block. This laboratory facilitates the students of 3rd semester for the Analog Electronics course. This Lab consists of all equipment to understand the different configurations of transistor, amplifiers, op-amps and other electronics components for different applications.

Major Equipments:

1. Different Device Characteristic
2. Three Phase Full Wave Rectifier
3. Series And Parallel Resonance
4. Transistor Bias Stability
5. LR Circuit With Source of Alternating EMF
6. Regulated Power Supply
7. Digital Storage Oscilloscope
8. Op-amp Kit

Computer Lab

The computer laboratory located at first floor and numbered 4114 in electrical engineering department. The lab is of 129 square meters



area and fully air conditioned with UPS.

This lab is equipped with 35 PCs having MATLAB, Ansys, Autocad Electrical, DevC etc. installed in it for studying courses like Control system engineering, power system engineering, electrical machine design, electrical design, C language programming, signals and systems in simulation and programming.

Microprocessor and Microcontroller Laboratory



This laboratory is located at the first floor of the electrical engineering department having an area of 211 square meters. the lab is fully furnished and equipped with 20 PCs with keil uvision and flashmagic installed for interfacing microprocessor and microcontroller kits and for programming. the lab is equipped with all necessary trainer, user and interfacing kits for studying courses related to microprocessor and microcontroller.

Major Equipments:-

8085 microprocessor trainer kit

8051 microcontroller trainer and user kits

interfacing kits like traffic light control, DC motor control, stepper motor control, switches interfacing, LED interfacing, LCD interfacing etc.

High Voltage Laboratory



High voltage engineering lab is located in ground floor of Electrical Block. This laboratory facilitates the students 6th semester for the courses High voltage engineering.

This laboratory allows student to Understanding of high voltage lab concepts.

Major Equipments:

1. Transformer oil testing kit

MECHANICAL ENGINEERING DEPARTMENT**Mechanical Measurement and Metrology Lab****Faculty in charge:**

Asst. Prof. A.K. Patel

Mechanical Measurement and Metrology laboratory facilities are located in the Mechanical Workshop block. This laboratory facilitates the students of 4th semester for the courses MMM.

OBJECTIVES

The objectives of Mechanical Measurements & Metrology lab are

- To demonstrate the theoretical concepts taught in Lecture of Mechanical
- Measurements & Metrology.
- To understand and use various measuring tools and instruments.
- To understand calibration of various measuring devices.

OUTCOMES

The expected outcome of Mechanical Measurements & Metrology lab is that the students will be able

- To understand the basic measurement units and able to calibrate various measuring devices and also instruments.
- To indicate error and correction factors of various measuring devices.
- To use measuring tools such as Sine Bar, Sine Center, Bevel Protractor, Tool Maker Microscope, Gear Tooth



Micrometer, Optical Flats etc

Instruments Available:

- Gauges,
- Bevel Protector
- Vernier Callipers
- Micrometer,
- Sine Bar,
- Combination Set
- Digital Tachometer
- Gear Tooth vernier
- Screw Thread Micrometer
- Digital Sound Level Meter
- Bevel Protector

Mechanical Work Shop Block

Laboratories:

1. Manufacturing Processes-I
2. Manufacturing Processes-II
3. Production Technology



Mechanical Work Shop Block

Faculty in charge:

1. Asst. Prof. N.A. Patel
2. Asst. Prof. A.K. Patel

Manufacturing Processes and Production Technology laboratory facilities are located in the Mechanical Workshop block. This laboratory facilities are utilized by the students of 3rd, 4th, 7th and 8th semester for the courses MP-I, MP-II and Production Technology.

Major Equipments:

- All Geared Lathe Machine
- Universal Milling Machine
- Standard Shaper
- Slotter Machine



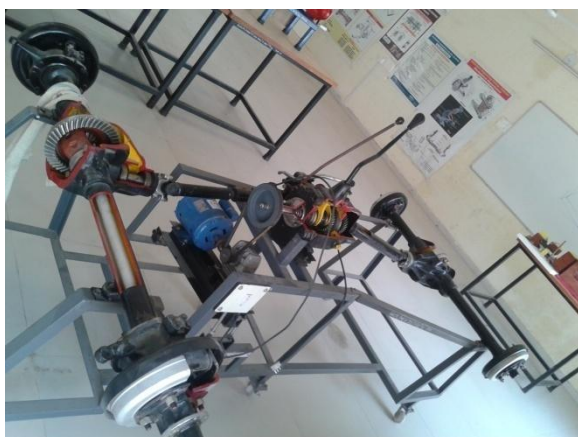
- Capstan Lathe Machine
- Drilling Machine
- Up-Right Drill Machine
- Table Top Grinding Machine
- Wood Working Lathe
- CNC Lathe Trainer
- Electro Discharge Machine
- Demonstration Boards:
- Lathe Cutting Tools
- Drill Cutting Tools
- Milling Cutters
- Arc Welding Setup
- Arc Welding Setup
- Gas Welding Setup
- TIG Welding Setup
- Spot Welding Machine
- Sand Casting Setup
- Cop and Drag Setup
- Metal Melting Setup

CAD LAB

We have 55 pcs available to run appropriate modeling and Analysis/Simulation software and to perform most common computing task.

MATLAB 2019

Ansys

I. C./Auto Lab

This laboratory is located at the basement floor of Mechanical block (Room no. 5012). Laboratory has been developed by Asst. Prof. A. D. Patel. This laboratory facilitates the students of 6th and 8th semester for the courses I. C. Engine (2161902) and Automobile Engineering (2181915). IC/Auto lab aims to develop state-of-art experiments performed by under graduate students related to Internal Combustion Engines performance, instrumentation & control and Automobile vehicles layouts. Various cut sectional equipments contains actual systems, apart from being life-sized. Constructional and working details of every equipments, systems and models are clearly exposed.

Major Equipments:

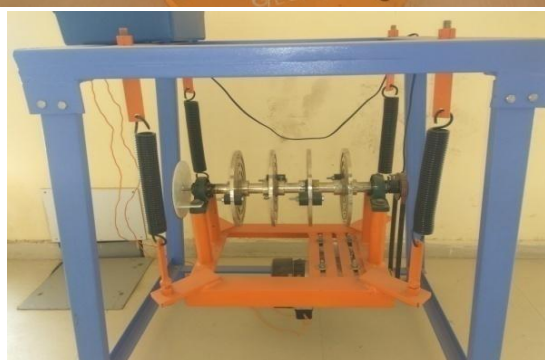
1. Cut sectional single cylinder four stroke diesel engine
2. Cut section of four-wheel drive with differential & rear axle.
3. Cut section of four cylinder four stroke petrol engine.
4. Cut sectional two stroke single cylinder



petrol engine

During each academic year total 15 experiments are conducted in this laboratory. This laboratory gives great exposure of automobile vehicle systems to the students.

TOM/ DOM/ KOM Lab



Mechanisms form the basis of any machine and it is an assemblage of rigid bodies so that they move upon each other with definite relative motion.

Objectives of this Theory of Machines lab/ Kinematics of Machines and Dynamics of Machine lab are to impart practical knowledge on design and analysis of mechanisms for the specified type of motion in a machine. With the study of rigid bodies motions and forces for the transmission systems, machine kinematics and dynamics can be well understood.

Demonstration exercises are provided with wide varieties of transmission element models to understand machine kinematics. Various experiments with governors, gyroscopes, balancing machines and universal vibration facilities are available to understand machine dynamics.

This lab has different table-top model of Pairs and Mechanism where students can study the performance characteristics of those mechanism. Students can strengthen their basic understandings of working and applications of these models.

They can study different types of vibration as well as Balancing Concept, moreover use of sensor in measuring many mechanical



parameters such as speed, vibration, amplitude, motion and the acquisition of data in those set-up impart a practical knowledge to the students for designing any experimental set-up.

The facility has been developed for 3rd / 5th and 6th semester students by Asst. Prof. K.V. Patel.

Thermal Lab:



Thermal lab is located on the ground floor of Mechanical engineering department block in Room no. 5010. This laboratory equipped with number of test rigs related to following courses for performing the practical on:

1. Heat Transfer
2. Refrigeration and Air Conditioning
3. Power Plant Engineering

Following are the major Equipments of this lab.



1. Heat transfer through composite wall apparatus
2. Test rig for emissivity measurement
3. An apparatus for natural convection
4. An apparatus for force convection
5. Test rig for critical radius of insulation for a cylinder
6. Vapour compression Refrigeration test rig
7. Ice plant tutor
8. Electrolux refrigerator test rig
9. Force draft cooling tower test rig



Charts prepared by the students are also displayed in laboratory for easy understanding of the courses.

Fluid Mechanics, Fluid Power and Control Engineering Laboratories



Fluid Mechanics, Fluid Power and Control Engineering Laboratories are located at room no 5009 of Mechanical Engineering Department. These laboratories include test rigs and facilities to perform practical of following courses:

1. Fluid Mechanics
2. Fluid Power Engineering
3. Control Engineering

Following are the major Equipments of this lab.

1. Hydraulic Test Bench Rig
2. Centrifugal Pump Test Rig
3. Pelton Wheel Turbine Test Rig
4. Francis Turbine Test Rig
5. Reciprocating Pump Test Rig
6. Reciprocating Compressor
7. Hydraulic trainer with simulation software

Material Science and Metallurgy



Following are the major Equipment's of this lab:

MSM Lab has INVERTED METALLURGICAL MICROSCOP with camera for analysis of microstructures of metals. It is equipped with material Plus software which is useful for students to get colour image of microstructures, report of grain size, report of grain count, report of density and grain distribution. This laboratory also has 23 nos. of ready prepared specimens of steels and cast iron for students to study the course with live microstructure demonstration.



Metallography specimen polishing machine is suitable for the polishing of the specimen which has been grinded. The specimen surface is very smooth after processing and can be used to observe and measure the metallography structure of specimen under microscope.

MINING ENGINEERING DEPARTMENT**Mine Environment Lab**

The laboratory is equipped with various equipment such as ‘**Vane Anemometer**’ and ‘**Respirable Dust Sampler**’ which enables students to know the velocity & quantity of air and dust concentration respectively.

**Vane Anemometer****Dust Sampler**

D. Laboratory development initiatives:-New purchase and Improvements

CIVIL ENGINEERING DEPARTMENT

Sr. No.	Equipment Name	Qty	Specification
1	RAJ INSTRUMENTS Non-Recording(Symons/ordinary rain gauge) 1000 millimeter Measuring Capacity	1	TypeNon-Recording(Symons/ordinary rain gauge) "Nominal Measuring Capacity(Rainfall)"1000 millimeter Collector Area(Cm ²)200 WARRANTY24 month
2	Double Ring Infiltrometer	1	Description Description Boyle's Law Apparatus used in School laboratory for Experiments and Testing Principle Used Boyle's Law Boyle 's Law Apparatus/Testing KIT Material Boyle's law apparatus,Fortin's Barometer,Vernier Callipers,thermometer,set square Specifications Of Boyle's Law Apparatus Length of open glass tube 209.62 millimeter Diameter of open glass tube 4.062 millimeter Length of glass tube with one side closed 211.62 millimeter Diamater of glass tube with one side closed 5.562 millimeter Length of rubber tube 25 inch Position of glass tubes adjustable using screws Yes Length of Base of tube stand 25 millimeter Width of Base of tube stand 25 inch Material of base of tube stand Cast iron Levelling screw provided under the base Yes Length of Fixed vertical metre scale 1000 millimeter Material of metre scale Plastic Liquid used inside glass tubes Mercury Specifications Of Fortin's Barometer Types Short Range Range 870-1100mbar for short range Accuracy As per clause 8 of IS:5798 latest Governing Specification Generally confirming to IS:5798 latest Material of glass tube Annealed lead glass

		<p>Material of Cistern Stainless steel</p> <p>Specific gravity of mercury used (as per IS:5798 Latest) 13.5951 g/cm³ @ 0°C</p> <p>Material of all other components Brass</p> <p>Material of backboard of barometer Seasoned Teak wood</p> <p>Material of case of barometer Deal wood</p> <p>Reflector Milk White Glass</p> <p>Weight of barometer 250 gram</p> <p>Construction Requirement Dimension as per cl.5.1 of IS:5798 Latest, General Requirement as per cl.6 of IS:5798 Latest, Workmanship and finish as per cl.7 of IS:5798 Latest, Test and Accuracy as per cl.8 of IS:5798 Latest, Marking as per cl.9 of IS:5798 Latest, Packing as per cl.10 of IS:5798 Latest</p> <p>Accessories in the scope of supply With Pressure Regulator, Operational Manual, Plastic carrying case, cardboard carrying case, NA</p> <p>Vernier Calliper</p> <p>Governing Specifications Generally confirming IS 3561 Part I latest, Generally confirming IS 3561 Part II latest.</p> <p>Type of vernier calliper Type-A</p> <p>Least Count 0.1</p> <p>Maximum Measuring Range 500 millimeter</p> <p>Accuracy of vernier calliper As per Cl.9 of IS 3561 latest</p> <p>Thermometer</p> <p>Least count of thermometer 0.2</p> <p>Accuracy of thermometer ± 0.01</p> <p>Set Square</p> <p>Material of set Square Plastic</p> <p>length of set square 150 millimeter</p> <p>Certification</p> <p>Availability of test report from covering all parameters NABL acceridiated</p> <p>Test report number NTS/20/306</p> <p>Test report date 20/10/2020</p> <p>Agreed to provide all certifications and reports to buyer on demand at time of supplies Yes</p> <p>Performance Parameter</p> <p>Warranty 2 year</p>
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3	BUSHNELL Automatic Speed Radar Gun	1	<p>Technical Specifications</p> <p>Integrated Flash Light Essential</p> <p>Video Modes MP4</p> <p>Availability of the Feature to Record the Offence Details Either on Video and a Still Image Video Essential</p> <p>Type of Image Sensor CCD</p> <p>Mode of Operation in Laser Speed Automatic</p> <p>Acquisition Time 0.3 centimeter</p> <p>Power Source Battery</p> <p>Compatibility with Laser Speed Meter Essential</p> <p>Dual Spees Limit for Different Categories of Vehicles, Selectable Intantly by Operator While Enforcing by a Single Button Pres Selection Essential</p> <p>Automatic Mode Essential</p> <p>Maximum Speed Measurement (km/hour) 320</p> <p>Minimum Distance of the Object for Speed Measurement 10 meter</p> <p>Minimum Distance for Front Number Plate Recognition in thE Night with Built -In Flash 40 meter</p> <p>Camera Resolution (mega pixel) 3</p> <p>Housing Metal case with rubber and caps</p> <p>Battery Backup Time (Hours) 10</p> <p>Offence Image of Speedster Contain Details Like Date,Time,Speed Zone, Actual Speed, Operator ID,latitude-Longitude Instrument Serail Number Used for Capure,Offence Format Should be Customized for as per End Users Requirments Essential</p> <p>Size of Colour Touch Screen Display 5.7 inch</p> <p>Maximum Distance of the Object for Speed Measurement 1000 meter</p> <p>Operating Temperature 10 to 50 degree Celsius</p> <p>Minimum Distance for Front Number Plate Recognition 40 meter</p> <p>Speed Gun mounitoring direction Farward and backward both</p> <p>Data Security of 128 Bit Data Encryption for Evidential Purpose Essential</p> <p>Data Transfer Provision to Transfer Data From Laser Camera to a Station Computer USB Port</p>
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		<p>Laser Camera Essential</p> <p>Desirable Precision Revolving Bearing Mount Mechanism, Ensuring very Smooth and Precise Panning and Tilting OpERATION FOR Tripod Mounted Laser Speed Meter Essential</p> <p>Manual Capturing Mode Continuous and single shot mode</p> <p>Laser Type- Class 1 Laser (Eye Safe) as per EN 60825-1: 1997-03 Certificate required</p> <p>Operating Humidity in Percentage 90</p> <p>Printouts of Offence Image Monochrome</p> <p>Technology of the Wireless Printer INKJET</p> <p>Availability of Essential Abolute Documentary Evidence Tamper Proof,Sighting Laser Spot Dimension Corespond to Laser Spot for UN-Ambiguous Identification of Targeted Vehicle Essential</p> <p>Minimum Number of Printouts That Can be Taken with the Paper Available with the Printer 100</p> <p>Wireless Printer Consists of Inbult Rechargeable Battery, Paper for Offence Printouts Charge Essential</p> <p>Portable Wireless Printer Essential</p> <p>Video Size (NXN) (Pixels) 1600</p> <p>Type of laser speed meter Tripod mounted</p> <p>Shock Resistant Compliance for Laser Speed Meter Essential</p> <p>Range of Wireless Printer 10 meter</p> <p>Image Format JPEG</p> <p>Optical Zoom of Lens (percent) 34X</p> <p>Inbult Data Storage Space of Laser Speed Meter for Recording 64 GB</p> <p>Communication Interface RS232</p> <p>Ingress protection (IP) Rating IP65</p> <p>Feature of Quick Data Retrieval from Stored Offence Images Using DL number/Vehicle Number/Offender Name Essential</p> <p>Speed Accurancy (km/hour) 1</p> <p>Packaging Of The Product</p> <p>Packaging Box</p> <p>Reports & Certifications</p> <p>Copies of certifications to be furnished to buyer</p>
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			on demand at time of supplies Yes Availability of ISO certification of manufacture Yes Test Reports Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification Yes Test Report No and Date (May indicate 'NA' if not applicable)" 2988 Name of the Lab and Address (May indicate 'NA' if not applicable) NABL AMIT TEST LAB Test Report to be submitted to the Buyer on Demand Yes
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ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Equipment Name	Qty	Specification
1	Over Current and Earth Fault Relay (Electromechanical) Testing Kit.	1	Trainer kit
2	Numerical over current/Earth Fault relay Trainer Kit	1	Trainer kit
3	Percentage Differential Relay Trainer Kit (Electromechanical)	1	Trainer kit
4	Numerical Relay Panel for Induction Motor Protection	1	For 1 to 3 H. P. IM
5	Distance Protection Relay Test Setup	1	Trainer kit
6	Radial Feeder Protection (Electromechanical)	1	Trainer kit
7	Parallel Feeder Protection (Electromechanical)	1	Trainer kit
8	Transmission line faults simulator kit, capable to demonstrate LL, LLL, LLLG, LLG, LG faults with good quality digital display with recording features	1	Trainer kit

E. Major projects/Minor projects

CIVIL ENGINEERING DEPARTMENT

Sr. No.	Major projects/Minor projects/Internship Title	Name of Students	Name Of Guide
1	JASPURIYA BUILDCON	BHATOL SRUSHTI LALJIBHAI	All Faculty
2	GPC INFRASTRUCTURE PVT. LTD	CHAUDHARY HARSHKUMAR RAMESHBHAI	
3	JKS TEMPLE ARCHITECT & CONTRACTOR	SHARMA ANKIT JAGDISHBHAI	
4	PWD (R&B)DEPARTMENT, KISHTWAR	VIDIT NAIN SHARMA	
5	VISHWAKARMA YOJANA PHASE - XI	CHAUDHARY MAYURKUMAR JETSHIBHAI	
6	VINAYAK LANDMARK	ZALA YUVRAJSINH KANAKSINH	
7	GUNGADHAR	JADAV HARDIK JANAKBHAI	
8	D N CONSTRUCTION	BIHARI TAHIR KHAN SHER KHAN	
9	HK INFRACON	PATEL BHAGY JIGNESHBHAI	
10	G.P.C. INFRASTRUCTURE LTD.	CHAUDHARY SMITKUMAR DOHJIBHAI	
11	GURUJI DEVELOPER	PRAJAPATI TUSHAR SURESH KUMAR	
12	ASHISH BRIDGECON PVT LTD	VAIBHAV DHEERAJ SHARMA	
13	GUJARAT METRO RAI CORPORATION LIMITED	PATEL VISHVABEN BHARATKUMAR	

14	SHREE SIDDHI GROUP	AMI JISHANALI PARVEJALI	
15	MAVAJAT HOSPITAL	PRAJAPATI RAVI DAHYABHAI	
16	INGRESS STRUCTURAL CONSULTANT	NANDOLIYA NISARALI	
17	VISHWAKARMA YOJANA PHASE - XI	PATEL SHAILESHBHAI PADMABHAI	
18	CHOTLIYA INFRACON LLP	PARMAR MEHULKUMAR MUKESHBHAI	
19	NILKHANTH HEIGHTS	MOR JAYESH BABUBHAI	
20	SHALIGRAM INFRA	DAMA HARIBHAI MONABHAI	
21	PRAMUKH GREEN CONSTRUCTION	MOR ANKIT SHANTUBHAI	
22	D N CONSTRUCTIONS PVT LTD	SOLANKI JAGRUTIBEN BALUBHAI	
23	JAY INFRASTRUCTURE	SAXENA CHIRAG MAHESH KUMAR	
24	SAI ICONIC	DARJI RAHULKUMAR MUKESHBHAI	
25	RIMAL CONSTRUCTION	MUJAPURA SAGARKUMAR GANPATBHAI	
26	MEDHA INFRACON LLP	MITESHKUMAR RAMESHBHAI CHAUDHARI	
27	SHASHWAT ELEGANCE	PRAJAPATI RAJKUMAR BALDEVBHAI	
28	SHALIGRAM INFRA	DHEERAJ SHEKHALIYA	
29	SCOPE INFRASTRUCTURE PRIVATE LIMITED	MEHUL RAJENDRA SHARDA	

30	VARDAYANI ENTERPRISE	BAGHEL ABHIRAJ SINGH GYANSINGH	
31	AERIAL DELIVERY RESEARCH AND DEVELOPMENT ESTABLISHMENT	ANJALI CHAUHAN	
32	KP CONSULTANCY	GOHIL GORAKH SHIVABHAI	
33	SAI VILLA 6	DARJI VIJAY DHIRAJBHAI	
34	MARUTI ENGINEER	PARMAR ABHAYKUMAR ASHOKBHAI	
35	ASTHA CONSTRUCTION	PATEL VEDANSHIBEN MAHESHBHAI	
36	RAJGOR PROJECT PVT LTD	RAYGOR ASHVINKUMAR BABULAL	
37	MARUTI INFRASTRUCTURE LIMITED	PRAJAPATI AJAY KUMAR RAMNIKBHAI	
38	A.P. CONSTRUCTION	THAKOR SANJANABEN JAGDISHBHAI	
39	SHIVALAY GREENS	DAVE DARSHIL BHARGAVKUMAR	
40	GPC INFRASTRUCTURE LTD	GOSWAMI KHUSHI SATISHGAR	
41	SHRI MANGALAM BUILDCON(I) PVT LTD.	VAGHELA SUHAS DINESHKUMAR	
42	MAVJAT MULTISPECIALITY HOSPITAL	MEVADA RAJ K	
43	INGRESS STRUCTURAL CONSULTANT	MOHAMMADHUSAIN JAWARHUSAIN PALSANIYA	
44	BHOOMI ONE COMPLEX	SOLANKI SHRUTIBEN MANUBHAI	
45	JAY DEVELOPERS, PALANPUR	PRAJAPATI MANAVKUMAR	

		HARESHBHAI	
46	DN CONSTRUCTION PVT LTD	PUROHIT JAINIK RAJESHKUMAR	
47	JAY DEVELOPERS,PALANPUR	PADHIYAR PARTH RAJESHBHAI	
48	VARDAYANI ENTERPRISE	PATEL HETKUMAR GANPATBHAI	
49	TIPL	PATEL DHRUVIL CHETANBHAI	
50	SATYA CONSULTANCY	PRINCE SHUKLA	
51	GURUJI DEVELOPER	PATEL YASHKUMAR HARESHKUMAR	
52	DINESHCHANDRA R. AGRAWAL INFRACON PVT LTD	MAHESURIYA SAHIL ASHVINBHAI	
53	VISHWAKARMA YOJANA PHASE - XI	SHERU RAHIL ABDULRASHID	
54	GPC INFRASTRUCTURE LTD.	PRAJAPATI NIKHIL AMRUTBHAI	
55	RIDDHAM RAVJIBHAI MESARA	CHAUHAN RAHUL MOHANBHAI	
56	ANANDA SKY	RATHOD HETALBEN PREMSINH	
57	ANANDA DEVELOPERS	CHAUDHARY CHHAYA RUGANATHBHAI	
58	JASPURIYA BUILD CON	KHARADI MEENABEN BHOORABHAI	
59	MV ENGINEERS	PATEL SUNIL KISHORBHAI	
60	MEVADA CONSULTANCY	VAIDIT ASHISHKUMAR MODH	
61	MV ENGINEERS	GRANTH BHARDWAJ	

62	VAISHNAV DEVI RESOURCES LIMITED	CHETAN JAYANTIBHAI PRAJAPATI	
63	ADI INFRA, (URBAN VILLAGE), A PROJECT BY:- UNION GROUP- SURAT.	AHIRE KHYATI VINESHBHAI	
64	VISHWAKARMA YOJANA PHASE - XI	CHARAN HINGLAJDAN HIMMATDAN	
65	SANSKRUTI VILLA	HARD ARVINDKUMAR PATEL	
66	GOLDEN GALAXY	PATEL DEEPKUMAR VIKRAMBHAI	
67	BHATOL BROTHERS	MALAPARA SOHILBHAI DAUDBHAI	
68	SHREE ARBUDA CONSTRUCTION COMPANY	BHATOL NIKULBHAI JAYANTIBHAI	
69	G.P.C INFRASTRUCTURE LTD.	CHAUDHARY JENILKUMAR NATHUBHAI	
70	SARJAN INFRATECH	PRAJAPATI MIHIR KUMAR DINESHBHAI	
71	VISHWAKARMA YOJANA PHASE - XI	SUTHAR JOYKUMAR DIPAKBHAI	
72	GAJANAN CONSTRUCTION	MALI SURESHBHAI PUNAMAJI	
73	VISHWAKARMA YOJANA PHASE - XI	MEVADA DHRUV RAJESHBHAI	
74	RADHE GREENS	MITTALBEN NARENDRASINH THAKOR	

ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Project Title	Name Of Guide
1.	INTERNSHIP AT ADVANCED POWER SOURCES LIMITED	Prof. B. R. Patel
2.	INTERNSHIP AT GEW ELECTROPOWER PROJECTS PVT. LTD.	Prof. B. R. Patel
3.	INTERNSHIP AT AUSTRALIAN PREMIUM SOLAR (INDIA) PVT. LTD.	Dr. A. M. Patel
4.	INTERNSHIP AT BALAJI TRANSFORMER	Dr. A. M. Patel
5.	INTERNSHIP AT BALAJI TRANSFORMER CO.	Dr. A. M. Patel
6.	INTERNSHIP AT AMBIKA ELECTRICAL SALES AND SERVICE	Dr. A. M. Patel
7.	INTERNSHIP AT COACH INTERNATIONAL TECHNIQUE PVT. LTD. (CAPTION PUMPS)	Prof. H. V. Hirvaniya
8.	INTERNSHIP AT ELECTROMECH INDUSTRIES	Prof. H. V. Hirvaniya
9.	INTERNSHIP AT ELECTROMECH INDUSTRIES	Prof. H. V. Hirvaniya
10.	INTERNSHIP AT COACH INTERNATIONAL TECHNIQUE PRIVATE LIMITED	Prof. H. V. Hirvaniya
11.	INTERNSHIP AT IFFCO	Prof. M. G. Prajapati
12.	INTERNSHIP AT INVENTRIK ENTERPRISE	Prof. M. G. Prajapati
13.	INTERNSHIP AT INVENTRIK ENTERPRISE	Prof. M. G. Prajapati
14.	INTERNSHIP AT INVENTRIK ENTERPRISE	Prof. M. G. Prajapati
15.	INTERNSHIP AT TRANSFORMER	Prof. K. G. Prajapati
16.	INTERNSHIP AT DUKE PLASTO TECHNIQUE PRIVATE LIMITED	Prof. K. G. Prajapati
17.	INTERNSHIP AT GETCO LTD.	Prof. K. G. Prajapati
18.	INTERNSHIP AT GEW ELECTROPOWER PROJECTS PVT LTD	Prof. K. G. Prajapati
19.	INTERNSHIP AT KOKILA ELECTRICALS	Prof. M. K. Patel
20.	INTERNSHIP AT GUJARAT PAN EL	Prof. M. K. Patel

Sr. No.	Project Title	Name Of Guide
21.	INTERNSHIP AT MB TRANSFORMERS	Prof. M. K. Patel
22.	INTERNSHIP AT NBE MOTORS PVT LTD	Prof. M. K. Patel
23.	INTERNSHIP AT OATH GREEN SOLAR PVT LTD.	Prof. J. H. Patel
24.	INTERNSHIP AT PATEL TRANSFORMER	Prof. J. H. Patel
25.	INTERNSHIP AT SCODA TUBES LIMITED	Prof. J. H. Patel
26.	INTERNSHIP AT NEXUS AUTOMATION	Prof. R. B. Chaudhari
27.	INTERNSHIP AT BALAJI TRANSFORMER	Prof. R. B. Chaudhari

MECHANICAL ENGINEERING DEPARTMENT

Sr. No.	Internship	Name of Guide
1.	Ammann Apollo Industry	All Faculty
2.	Aqua Engineering Pvt Ltd	
3.	Arihant Pumps Pvt.Ltd. (Aroma Group)	
4.	Banco India	
5.	C.G Metal Lab, Chhatral	
6.	Cargo Motors Pvt. Ltd	
7.	Geeta Machine Tools Private Limited	
8.	Gurudev Creation	
9.	Hajee A.P. Bava Infra Limited	
10.	Halleys Motors Private Limited	
11.	Himalaya Engineering Company	
12.	Hyundai Bhurawala Motors	
13.	Hyundai Bhurawala Motors	
14.	I Tile Limited Company	
15.	I-Flp Explosionproof Pvt.Ltd.	
16.	Impress Engineering	
17.	Jai Ganesh Autolink Pvt Ltd	
18.	Jyoti Engineering Work Umbergaon	
19.	Khodiyar Cad Centre (I). Pvt. Ltd.	

Sr. No.	Internship	Name of Guide
20.	Leak Proof Engineering	All Faculty
21.	M/S Yashi Enterprises	
22.	Maharshi Udyog	
23.	Maruti Industries	
24.	Mectech Projects Pvt. Ltd.	
25.	Microtech	
26.	Parth Autolink Visnagar	
27.	Sal Steel Ltd	
28.	Shiv Fabricator	
29.	Shoham Engineering Works	
30.	Solenis Chemicals India Private Limited	
31.	Super Quali Cast (India) Pvt. Ltd	
32.	Swastik Engineering Company	
33.	Tile Limited Company	
34.	Umiko Pumps & Motors	
35.	Vartix Aerospace Pvt. Ltd.	
36.	Volkswagen Mehsana	

MINING ENGINEERING DEPARTMENT

Sr. No.	Project Title	Name of Guide
1	Chapui Khas Underground Coal Mine, Eastern Coalfield Limited	Prof. Suraj Kumar
2	Surkha (NORTH) Lignite Mine, Bhavanagar(GMDC)	Prof. J V Modi
3	D. K. Trivedi and Sons Ambaji	Prof. J V Modi

F. New initiatives taken to make teaching-learning process more interactive

CIVIL ENGINEERING DEPARTMENT

Sr. No.	Teaching-Learning Tools used	Name of Course and Semester	Details	Name of Faculty
1	ICT, Audio-Visual tools including NPTEL Videos Site Visits Vlab	BCT-3 rd , FMH-4 th , IPDC-5 th , IPDC-6 th , EEEC-7 th	The regular and Remedial classes have been effectively conducted through ICT Tools. Field visits arranged and Virtual labs used	Dr. G. M. Savaliya
2	PowerPoint Presentation, Hands on Practice of surveying instruments. Simulation of lab experiments. Active learning Assignments	CSGI-4 th , Surveying-4 th , THE-5 th , PDH-5 th , TEM-6 th , PHE-7 th	The lectures were conducted using ICT and Powerpoint Presentation in blended mode. The laboratory Experiments were Performed by allowing students to operate the surveying instruments. Active learning assignments and Open ended problems were given to improve capability to solve real life problems.	Prof. H.U.Patel
3	Role play activity, Case studies, PPT, Video Lectures of NPTEL,	Surveying - 4 th RSGIS- 5 th WREH-6 th IE - 7 th CEM - 7 th	The courses were delivered in a hybrid fashion combining ICT and PowerPoint presentations. Role play activity and case studies were conducted on recent	Prof. V. H. Khokhani

		ISC - 7 th DHS - 7 th	real life problems. Laboratory sessions were conducted using softwares. Animated videos related to topic were shown wherever necessary.	
4	NPTEL Videos, Powerpoint presentation, Presentation autocad software in BTP lab	IP-1 st BTP-3 rd , EE- 6 th UTP-6 th IE-7 th CEM-7 th EEEC-7 th ISC-7 th DHS-7 th	The lectures were conducted by using NPTEL Videos. Used PPT and ICT tools. Education given by Field visit. Drawing by autocad software in BTP lab. lab Experiments were explained to operate the instruments of EE.	Prof. S. G. Chauhan
5	Digital video, Presentation software Google forms	MOS-3 rd , SA-1-4 th , CT-5 th , DOS-6 th , DRCS-7 th	Use the power of video to help students to develop technical skills, using powerpoint presentation, handouts notes pages, setting up animations and images, With the help of the Google form quizzes, evaluations can be done so easily.	Prof. U.R. Patel
6	ICT Powerpoint Presentation, Online Video Lectures, Test Simulation Videos,	GE-3 rd , SM-5 th , CT-5 th , SCT-5 th FE-6 th , DM-6 th	The lectures were conducted using ICT and Power point Presentation. The laboratory Experiments were described using online video lectures and test simulation videos. Active learning assignments were given to improve	Prof N.R.Kotiya

	Active learning topic. OEP Problems		presentation skills. Open ended problems were given to improve computational skills.	
7	MS Office Powerpoint Presentation, Online Video Lectures, Active learning topic.,	ES- 1st, BCE- 2nd IC-3 rd , BCT-3 rd ,	The lectures were conducted using MS Office Powerpoint Presentation. The laboratory Experiments were performed by allowing students to operate the surveying instruments. Assessment was done in written and Online form.	Prof R. K.Rathod
8	Digital video, Presentation software Google forms	MOS-3 rd , SA-1-4 th , CT-5 th , DOS-6 th , DRCS-7 th	Use the power of video to help students to develop technical skills, using powerpoint presentation, handouts notes pages, setting up animations and images, With the help of the Google form quizzes, evaluations can be done so easily.	Prof. M.N.Prajapati

ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Teaching-Learning Tool Used	Name of Course and Semester	Teaching-Learning Tool Used	Details	Name of Faculty
1	ICT	BE- 2 nd Sem ADE- 3 rd Sem ECA- 3 rd Sem IPDC- 5 th Sem IPDC- 6 th Sem	Audio-visual tools including NPTEL videos	The regular and remedial theory classes have been effectively conducted through ICT tools.	Prof. B. R. Patel
2	ICT	IC-3 rd Sem PS-I-4 th Sem, PS-II-5 th Sem WSE-6 th Sem SGP-7 th Sem EHV-7 th Sem	Audio-visual tools including NPTEL videos	The regular and remedial theory classes have been effectively conducted through ICT tools.	Dr. A. M. Patel
3	ICT	PE- 4 th Sem EMF- 4 th Sem	Audio-visual tools including NPTEL videos	The regular and remedial theory classes have been effectively conducted through ICT tools.	Prof. H. N. Chaudhary
4	ICT, Active Learning Assignments	PPS- 1 st Sem, PPS- 2 nd Sem S&S- 3 rd Sem MM-6 th Sem	Hardware projects	Projects are given to group of students for interfacing 8051 microcontroller with hardware circuits for specific application	Prof. H. V. Hirvaniya
5	ICT	BEE- 1 st Sem EM-II-5 th Sem EMMI- 6 th Sem IPS- 6 th Sem ACMD- 7 th Sem	Audio-visual tools including NPTEL videos	The regular and remedial theory classes have been effectively conducted through ICT tools.	Prof. K. G. Prajapati
6	ICT, Project Based Learning	BE- 2 nd Sem ADE- 3 rd Sem IC- 3 rd Sem EM-I- 4 th Sem EM-II- 5 th Sem IES- 7 th Sem	Audio-visual tools including NPTEL videos	The regular and remedial theory classes have been effectively conducted through ICT tools.	Prof. M.G. Prajapati
7	ICT	PYP- 5 th Sem HVE- 5 th Sem MM-6 th Sem HVDC- 6 th Sem IA- 7 th Sem	Audio-visual tools including NPTEL videos	The regular and remedial theory classes have been effectively conducted through ICT tools.	Prof. M. K. Patel
8	ICT	CST- 3 rd Sem DM- 3 rd Sem	Audio-visual tools	The regular and remedial theory classes have been	Prof. J. H. Patel

Sr. No.	Teaching-Learning Tool Used	Name of Course and Semester	Teaching-Learning Tool Used	Details	Name of Faculty
		EMF- 4 th Sem PS-1- 4 th Sem PS-II-5 th Sem HVDC- 6 th Sem SGP- 7 th Sem	including NPTEL videos	effectively conducted through ICT tools.	
9	ICT	BEE- 1 st Sem CST- 3 rd Sem EMMI- 6 th Sem EM- 6 th Sem	Audio-visual tools including NPTEL videos	The regular and remedial theory classes have been effectively conducted through ICT tools.	Prof. R.B. Chaudhary
10	ICT	PPS- 1 st Sem BE- 2 nd Sem S&S- 3 rd Sem DM- 3 rd Sem PE- 4 th Sem PET- 5 th Sem	Audio-visual tools including NPTEL videos	The regular and remedial theory classes have been effectively conducted through ICT tools.	Prof. K. M. Gohel

MECHANICAL ENGINEERING DEPARTMENT

Sr. No.	Methodology	Related Course	Class	Name of Faculty
1	Case study base teaching in subject advance manufacturing process	Advance Manufacturing Process	Third year	Prof. A R Chaudhari
2	Content interaction through NPTEL resources and learning materials (Topic wise link shared with students)	REE, AT, CAD	Third year	Prof. ABP, SKD, NAP
3	Industrial visit for third year students at iACE, Gandhinagar to create awareness in recent trends in automobile industry and at IGTR with Wintech India Pvt Ltd, Ahmedabad.	All current subjects	Third year	Prof. VDP, ADP, SKD, ARC
4	Online Quiz based assignments and improvement quiz in renewable energy engineering.	All current subjects	All Sem	All Staffs
5	Case study base presentation in Quality and Reliability Engineering.	Quality and Reliability Engineering	Final Year	Prof. BDP
6	Demonstration of machining processes through videos	Manufacturing	All Sem	Prof. AKP
7	One day workshop at PDEU	Advanced Manufacturing	8th sem	Prof. ADP
8	Students were taken to attend for the welding seminar at iACE, Gandhinagar	Manufacturing	8h sem	Prof. ADP

MINING ENGINEERING DEPARTMENT

1. Video lectures of advancements in mining engineering and preparation of charts and models for better understanding and improvement in practical knowledge.

Name of Faculty	Semester	Subject	Using PPT? Yes/No	Using Videos? Yes/No	Using Animations? Yes/No	Any Other Methodology
Suraj Kumar	IV	MM-I	Yes	Yes	No	No
J. V. Modi	IV	RM	Yes	Yes	No	No
J. V. Modi	VII	DST	Yes	Yes	No	No
Suraj Kumar	VII	RF	Yes	Yes	Yes	No

G. Innovative Assessment Methodologies

CIVIL ENGINEERING DEPARTMENT

Sr. No.	Methodology	Related subject	Class	Name of staff
1	Active Learning Assessment By Presentation Evaluation	DM	6TH	Prof. N.R.Kotiya
2	Students Were Assessed Through Program Developed In Microsoft Excel	EEEC	7TH	Dr. G. M. Savaliya
3	Active Learning Strategies Like reciprocal questioning to encourage an open dialogue in which students take on the role of the teacher and create their own questions about a topic, reading section, or lesson.	CT DOS MOS	2nd year and 3rd year	Prof M.N.Prajapati

ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Methodology	Related course	Class	Name of staff
1	Rubrics based Progressive Assessment	ADE, ECA, BE, IPDC-I and IPDC-II	2 nd , 3 rd , 5 th and 6 th Semester	Prof. B. R. Patel
2	Rubrics based Progressive Assessment	IC, PS-I, PS-II, WSE, SGP, and EHV	3 rd , 4 th , 5 th , 6 th , 7 th and 7 th Semester	Dr. A. M. Patel
3	Rubrics based Progressive Assessment	ADE, DM, PE, EMF, HVE and PET	3 rd , 4 th and 5 th Semester	Prof. H. N. Chaudhary
4	Rubrics based Progressive Assessment	S&S, PPS and MM	1 st , 2 nd , 3 rd and 6 th Semester	Prof. H. V. Hirvaniya
5	Rubrics based Progressive	BEE, EM-II, EMMI, IPS and ACMD	1 st , 5 th , 6 th and 7 th Semester	Prof. K. G. Prajapati

	Assessment			
6	Rubrics based Progressive Assessment	BE, IC, EM-1, EM-II and IES	2 nd , 3 rd , 5 th and 7 th Semester	Prof. M.G. Prajapati
7	Rubrics based Progressive Assessment	PYP, HVE, MM, HVDC, WSE and IA	5 th , 6 th and 7 th Semester	Prof. M. K. Patel
8	Rubrics based Progressive Assessment	CST, DM, EMF, PS-1 and SGP	3 rd , 4 th and 7 th Semester	Prof. J. H. Patel
9	Rubrics based Progressive Assessment	CST, BEE, EMMI and EM	1 st , 3 rd and 6 th	Prof. R.B. Chaudhary
10	Rubrics based Progressive Assessment	S&S, PPS, BE, DM, PE and PET	1 st , 2 nd , 3 rd , 4 th and 5 th	Prof. K. M. Gohel

MECHANICAL ENGINEERING DEPARTMENT

Sr. No.	Methodology	Related Course	Class	Name Of Staff
1	Contineous Assessment by Quiz, Test, Powerpoint presentation	All Courses	All Sem	All Faculty

MINING ENGINEERING DEPARTMENT

Sr. No.	Methodology	Related subject	Class	Name of staff
1	Students were asked to make a presentation on the given topic, Discuss, Question-answering	Mine Machinery-I	4 th Semester	Suraj Kumar
2	Presentation method by Students, Question answering method, Discussion Method	Rock Mechanics	4 th Semester	J. V. Modi
3	Students were asked to make a presentation on the given topic and to it in the class itself to improve their self-learning ability	Rock Fragmentation	7 th Semester	Suraj Kumar

H. Students Interaction with Outside World

Participation in State Level Project Competetion: National Seminar: Conference, Industrial visit

MECHANICAL ENGINEERING DEPARTMENT

Sr. No.	Name of Event	Date of Event	Venue	Name of students participated
1	Banas Dairy, Palanpur	05-10-2023	Palanpur	55
2	Ratnamani Techno cast PVT LTD	10-10-2023	Chattral	46

I. Result Analysis

CIVIL ENGINEERING DEPARTMENT

i. Overall result (Sem wise)

2023-24		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	31	6	19.35
	II Sem	19	7	36.84
SY	III Sem	39	22	56.41
	IV Sem	66	33	50.00
TY	V Sem	65	49	75.38
	VI Sem	74	52	74.32
LY	VII Sem	73	67	91.78
	VIII Sem	75	75	100

ii. Course wise (with name of faculty tutor)—Deptt. Wise

Course	Number of Students		Pass %	Name of faculty
	Appeared	Passed		
Internship/Project	72	70	97.22	All Faculty
Irrigation Engineering [IE]	68	63	92.65	Prof. S.G.Chauhan
Construction Engg. and Mang.	73	70	95.89	Prof. S.G.Chauhan
Engineering Eco., Est and Costing	73	69	94.52	Dr. G.M.Savaliya
Design of Steel Structures [DSS]	5	5	100.00	Dr. G.M.Savaliya
Design of hydraulic structures	73	70	95.89	Prof. V.H.Khokhani

Port and Harbour Engineering	73	69	94.52	Prof. H.U.Patel
Infrastructure for smart Cities	73	71	97.26	Prof. V.H.Khokhani
Design Engineering II B [DE-II[B]	62	62	100.00	Prof. N.R.K & Prof. H.U.P.
IPDC	62	62	100.00	Dr. G.M.Savaliya
Water Resources Engineering and Hydrology [WREH]	62	62	100.00	Prof. R. K. Rathod
Environmental Engineering	62	60	96.77	Prof. S.G.CHAUHAN
Urban Transportation Planning	48	46	95.83	Prof. S.G.CHAUHAN
Design of Reinforced Concrete structures [DRCS] [DElect-II]	14	13	92.86	Prof. U.R.P&Prof.M.N.P.
Traffic Engineering and Management [TEM] [Delect-III]	47	44	93.62	Prof. H.U.Patel
Foundation Engineering	15	13	86.67	Prof. N.R.KOTIYA
Disaster Management [DM] [O.Elect]	62	61	98.39	Prof. N.R.K & Prof. U.R.P.
Design Engineering - II (A)	45	44	97.78	Prof. N.R.KOTIYA & Prof. H.U.Patel
IPDC	45	44	97.78	Dr. G.M.Savaliya
Concrete Technology [CT]	45	43	95.56	Prof.M.N.Prajapati & Prof. N.R.KOTIYA
Transportation Engineering [TRE]	45	37	82.22	Prof. H.U.Patel

Design of Structures [DOS]	45	29	64.44	Dr. G.M.Savaliya
Pavement Design & Highway construction [PD&H]	21	18	85.71	Prof. H.U.Patel
Structural analysis-II [SA-II]	16	13	81.25	Prof.M.N.Prajapati
Soil Mechanics [SM]	8	7	87.50	Prof. N.R.KOTIYA
Remote Sensing and GIS [RS&G]	45	40	88.89	Prof. V.H.Khokhani
Design Engineering 1 B	66	66	100.00	Prof. S.G.Chauhan & Prof. V. H. Khokhani
Surveying [SUR]	66	60	90.91	Prof. V. H. Khokhani & Prof. H. U. Patel
Structural Analysis-I [SA-I]	66	47	71.21	Prof. M. N. Prajapati
Civil Engineering - Societal & Global Impact [CSGI]	66	62	93.94	Prof. H. U. Patel & Prof. R. K. Rathod
Complex Variables and Partial Differential Equations [CVPDE]	66	45	68.18	Dr. F. J. Narsingani & Prof. D. A. Patel
Fluid Mechanics & Hydraulics	66	45	68.18	Dr. G. M. Savaliya
Effective Technical Communication	39	31	79.49	Prof. A.A.V
Indian Constitution [IC]	39	37	94.87	Prof. U.R.Patel
Design Engineering - I (A)	39	38	97.44	Prof. S.G.C.& Prof. U.R.P.
Geotechnical Engineering [GE]	39	25	64.10	Prof. N.R.Kotiya

Building Const. and Technology	39	32	82.05	Prof.R.K.Rathod
Mechanics of Solids [MOS]	39	24	61.54	Prof. U.R.P. & Prof.M.N.P.
Building and Town Planning	39	32	82.05	Prof. S.G.Chauhan
English [ENG]	19	17	89.47	VF
Programming for Problem Solving	19	11	57.89	Prof. R. K. Rathod
Basic Civil Engineering [BCE]	19	16	84.21	Prof. R. K. Rathod
Basic Mechanical Engineering	19	10	52.63	Prof. P. N. Boka
Workshop/ Manufacturing Practices	19	16	84.21	Prof. P. K. Gajjar
Mathematics –2 [MATHS-2]	19	12	63.16	Prof. R. H. Chaudhary & Prof. D. A. Patel
Basic Electrical Engineering [BEE]	31	11	35.48	Prof. R.B.C.Prof.K.G.P.
Environmental Science [ES]	31	24	77.42	Prof. C.G.P.
Physics [PHY]	30	8	26.67	Prof. S.K.S.&Prof. K.M.K.
Chemistry [CHE]	31	31	100	Prof. C.G.P.
Engineering Graphics and Design	31	12	38.71	Prof. A.D.P.
Mathematics - I [MATHS-I]	31	10	32.26	Prof. R.H.C. & Prof.D.A.P.
Induction Programme	31	31	100	Prof.S.G.C

ELECTRICAL ENGINEERING DEPARTMENT

i. Overall result (Sem wise)

2023-24		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	10	0	0
	II Sem	10	01	10
SY	III Sem	5	0	0
	IV Sem	5	1	20
TY	V Sem	30	9	30
	VI Sem	29	14	48.27
LY	VII Sem	27	16	59.26
	VIII Sem	26	26	100

ii. Course wise (with name of faculty tutor)—Deptt. Wise

Course	Number of Students		Pass %	Name of faculty
	Appeared	Passed		
PPS	68	38	55.88	Prof. Hitesh V. Hirvaniya
Basic Electrical Engineering	106	55	51.88	Prof. K. G. Prajapati Prof. R. B. Chaudhary
Environmental Sciences	80	62	77.5	Prof. Rahul K. Rathod
Engineering Graphics & Design	106	51	48.11	Prof. Pradeep N. Boka Prof. Ashwin D. Patel
Mathematics - 1	106	59	55.66	Prof. D.A. Patel Prof. Rekha H. Chaudhary
Induction Program	106	106	100	Prof. K. G. Prajapati
Effective Technical Comm.	5	4	80	Prof. Digvijay. N. Solanki
Indian Constitution	5	5	100	Prof. Manish G. Prajapati
Design Engineering - I A	5	5	100	Prof. Manish G. Prajapati
Control System Theory	5	2	40	Prof. Hitesh V. Hirvaniya Prof. Jugnu H. Patel
Electrical Circuit Analysis	5	3	60	Prof. Bhavesh R. Patel
Analog & Digital Electronics	5	2	40	Prof. R. B. Chaudhary Prof. Bhavesh R. Patel
Applied Mathematics for Electrical Engineering	5	1	20	Prof. Rekha H. Chaudhary Prof. Fenny. J. Narsingani
Design Engineering - II A	30	29	96.67	Prof. Harsh N. Chaudhary
IPDC	30	30	100	Prof. Bhavesh R. Patel
Professional Ethics	30	26	86.67	Prof. Harsh N. Chaudhary Prof. Kartik. M. Gohel
Electrical Machine- II	30	18	60	Prof. Manish G. Prajapati
Power System- II	30	19	63.3	Prof. Alpesh M. Patel Prof. Jugnu H. Patel

Course	Number of Students		Pass %	Name of faculty
Signals and Systems	30	18	60	Prof. H. V. Hirvaniya Prof. Kartik. M. Gohel
Disaster Management	21	19	90.48	Prof. Jugnu H. Patel Prof. Kartik. M. Gohel
Python Programming	9	6	66.67	Prof. Manish K. Patel
Summer Internship	27	27	100	All Faculty
Switchgear and Protection	27	24	88.89	Prof. Alpesh M. Patel Prof. Jugnu H. Patel
AC Machine and Design	27	25	92.59	Prof. Kirti G. Prajapati
High Voltage Engineering	27	22	81.48	Prof. Harsh N. Chaudhary Prof. Manish K. Patel
Industrial Electrical System	27	24	88.89	Prof. Manish G. Prajapati
EHV	27	25	92.59	Prof. Alpesh M. Patel
Industrial Automation	27	25	92.59	Prof. Manish K. Patel
Internship	27	27	100	All Faculty
BEE	10	4	40	Prof. P. N. Boka
Workshop/ Manu.Practices	10	9	90	Prof. Manish K. Patel
Mathematics - 2	10	3	30	Prof. Rekha H. Chaudhary
Basic Electronics	10	1	20	Prof. Bhavesh R. Patel Prof. Kartik. M. Gohel
English	10	10	100	Prof A A Vyas
Physics	9	6	66.6	Prof. K. M. Korat
Chemistry	1	1	100	Prof. C. G. Prajapati
Design Engineering 1 B	5	5	100	Prof. R. B. Chaudhary Prof. Kirti G. Prajapati
Economics for Engineers	5	3	60	Prof. Bhavesh R. Patel
Electromagnetic Fields	5	2	40	Prof. Jugnu H. Patel
Electrical Machine- I	5	3	60	Prof. Manish G. Prajapati
Power System- I	5	3	60	Prof. AMP, Prof JHP
Power Electronics	5	2	40	Prof. Hitesh V. Hirvaniya Prof. Manish G. Prajapati
Design Engineering II B	29	29	100	Prof. Manish G. Prajapati
IPDC	29	29	100	Prof. Bhavesh R. Patel
Microprocessors and Microcontrollers	29	17	58.62	Prof. Hitesh V. Hirvaniya Prof. Manish K. Patel
Electrical Measurement and Measuring Instruments	29	26	89.66	Prof. Kirti G. Prajapati Prof. R. B. Chaudhary
Wind And Solar Energy	29	23	79.31	Prof. Alpesh M. Patel
Inter Connected Power Sys.	8	5	62.5	Prof. Kirti G. Prajapati
HVDC Transmission Sys.	21	16	76.19	Prof. Manish K. Patel
Electrical Materials	29	26	89.66	Prof. R. B. Chaudhary
Internship/Project	26	26	100	Prof. Hitesh V. Hirvaniya

MECHANICAL ENGINEERING DEPARTMENT

i. Overall result (Sem wise)

2023-24		Nos. of students appeared	Nos. of students passed	Pass %
F.Y.	I Sem	7	0	0.00 %
	II Sem	7	1	14.29 %
S.Y.	III Sem	17	3	17.65 %
	IV Sem	17	4	23.53 %
T.Y.	V Sem	26	12	46.15 %
	VI Sem	30	20	66.67 %
L.Y.	VII Sem	58	46	79.31 %
	VIII Sem	58	58	100.0 %
	VIII Sem	29	29	100

ii. Course wise (with name of faculty tutor)—Deptt. Wise

Course	Number of Students		Pass %	Name of faculty
	Appeared	Passed		
3110005 Basic Electrical Engineering	7	3	42.86%	Prof. R.B.Chauchari, Prof.M.G.Prajapati
3110007 Environmental Sciences	7	2	28.57%	Prof. R K Rathod
3110011 Physics	7	3	42.86%	Prof.S K Singhal, Prof. K G Prajapati
3110013 Engineering Graphics & Design	7	3	42.86%	Prof. A D Patel, Prof. B D Prajapati, Prof. A R Chaudhari
3110014 Mathematics - 1	7	1	14.29%	Prof.R H Chaudhari, Prof. F J Narsingani
3110017 Induction Program	7	7	100.00%	All Faculty
3110002 English	7	5	71.43%	Aav (Visiting)
3110003 Programming for Problem Solving	7	3	42.86%	Prof.H V Hirvaniya
3110004 Basic Civil Engineering	7	3	42.86%	Prof. R K Rathod

Course	Number of Students		Pass %	Name of faculty
3110006 Basic Mechanical Engineering	7	4	57.14%	Prof. A R Chaudhari, Prof. P K Gajjar, Prof. P N Boka, Prof. V D Patel
3110012 Workshop/ Manufacturing Practices	7	7	100.00%	Prof. B D Prajapati
3110015 Mathematics - 2	7	3	42.86%	Prof. F J Narsingani, Rhc, Dap
3130004 Effective Technical Communication	17	14	82.35%	Visiting Faculty
3130005 Complex Variables and Partial Differential Equations	17	3	17.65%	D A Patel, R H Chaudhari
3130007 Indian Constitution	17	16	94.12%	Prof. K P Modi
3130008 Design Engineering - I A	17	17	100.00%	Prof. P N Boka
3131904 Material Science and Metallurgy	17	12	70.59%	Prof. A K Patel
3131905 Engineering Thermodynamics	17	7	41.18%	Prof. S K Dabhi, Prof. G S Patel
3131906 Kinematics and Theory of Machines	17	11	64.71%	Prof. K P Modi, Prof. P N Boka
3140005 Design Engineering I B	17	16	94.12%	Prof. B D Prajapati
3141901 Mechanical Measurement and Metrology	17	14	82.35%	Prof. B D Prajapati
3141906 Fluid Mechanics and Hydraulics Machines	17	5	29.41%	Prof. V D Patel
3141907 Fundamentals of Machine Design	17	9	52.94%	Prof. K P Modi
3141908 Manufacturing Processes	17	15	88.24%	Prof. A K Patel
3141909 Organisational Behaviour	17	14	82.35%	Prof. A R Chaudhari
3150001 Design Engineering - II A	26	26	100.00%	Prof. P K Gajjar
3150005 Integrated Personality Development Course	26	26	100.00%	Prof. P K Gajjar, Prof. G S Patel
3151909 Heat Transfer	26	17	65.38%	Prof. V D Patel

Course	Number of Students		Pass %	Name of faculty
3151910 Operation Research	26	24	92.31%	Prof. B D Prajapati
3151911 Dynamics of Machinery	26	12	46.15%	Prof. P N Boka
3151912 Manufacturing Technology	26	24	92.31%	Prof. A K Patel, Prof. P K Gajjar
3151913 Oil Hydraulics And Pneumatics	26	21	80.77%	Prof. A R Chaudhari
3160001 Design Engineering II B	30	28	93.33%	Prof. A R Chaudhari
3160003 Integrated Personality Development Course	30	28	93.33%	Prof. P K Gajjar
3161907 Basics of Industrial Engineering	30	27	90.00%	Prof. G S Patel,
3161910 Applied Thermodynamics	30	22	73.33%	Prof.S K Dabhi
3161917 Computer Aided Manufacturing	12	10	83.33%	Prof. D M Patel, Prof. K S Banker,
3161914 Renewable Energy Engineering	18	17	94.44%	Prof. A B Patel
3161922 Advanced Manufacturing Processes	16	12	75.00%	Prof. D M Patel, Prof. K S Banker,
3161920 Automobile Engineering	14	12	85.71%	Prof. A D Patel
3161924 Entrepreneurship & E-business	30	26	86.67%	Prof. K S Banker,
3170001 Summer Internship	58	58	100.00%	All Faculty
3171910 Power plant Engineering	58	56	96.55%	Prof. S K Dabhi
3171917 Design of Machine elements	58	57	98.28%	Prof. A D Patel
3171931 Nanotech and Surface Engg.	58	57	98.28%	Prof. K S Banker, Prof. B D Prajapati
3171926 Rapid Prototyping	58	53	91.38%	Prof. K S Banker, Prof. P K Gajjar
3171929 Quality Reliability and Engineering	58	55	94.83%	Prof. G S Patel
3171931 Nanotech and Surface Engg.	58	54	93.10%	Prof.D M Patel
3181901 Internship/Project	58	58	100.00%	All Faculties
3110005 Basic Electrical Engineering	7	3	42.86%	Prof. R.B.Chauchari, Prof.M.G.Prajapati
3110007 Environmental Sciences	7	2	28.57%	Prof. R K Rathod
3110011 Physics	7	3	42.86%	Prof.S K Singhal, Prof. K G Prajapati

MINING ENGINEERING DEPARTMENT

1. Overall result (Sem wise)

2023-24		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	Nil		
	II Sem	Nil		
SY	III Sem	05	03	60
	IV Sem	05	05	100
TY	V Sem	Nil		
	VI Sem	Nil		
LY	VII Sem	05	04	80
	VIII Sem	05	05	100

2. Subject-wise (with name of faculty tutor)

COURSE	NUMBER OF STUDENTS		PASS %	NAME OF FACULTY
	Appeared	Passed		
Programming for Problem Solving	Nil			
Basic Electrical Engineering	Nil			
Environmental Sciences	Nil			
Engineering Graphics & Design	Nil			
Mathematics – I	Nil			
Chemistry	Nil			
English	Nil			
Basic Civil Engineering	Nil			
Basic Mechanical Engineering	Nil			
Workshop/ Manufacturing Practices	Nil			
Mathematics –2	Nil			
Effective Technical Communication	05	05	100	A.A.Vyas
Complex Variables and Partial Differential Equations	05	03	60	Prof. R.H.Cahaudhary /Prof. D.A.Patel
Indian Constitution	05	04	80	Prof. Suraj Kumar
Design Engineering - I A	05	05	100	Prof. J.V.Modi
Mechanics of Solids	05	03	60	Prof. M.N.Prajapati/ Prof U.R Patel
Introduction to Mining	05	05	100	Prof. J.V.Modi
Geology	05	05	100	Prof. H.B. Patel
Design Engineering 1 B	05	05	100	Prof. J.V.Modi
Mining Machinery - I	05	05	100	Prof. Suraj Kumar

Mine Surveying - I	05	05	100	Prof. J.V.Modi
Mine Management and General Safety	05	05	100	Prof. Suraj Kumar
Mining Geology	05	05	100	Prof. Suraj Kumar
Rock Mechanics	05	05	100	Prof. J.V.Modi
Design Engineering - II A	Nil			
Mine Legislation	Nil			
Mining Machinery - II	Nil			
Mine Surveying - II	Nil			
Underground coal Mining	Nil			
Human resource Management	Nil			
Integrated Personality Development Course	Nil			
Design Engineering - II B	Nil			
Integrated Personality Development Course	Nil			
Underground Metal Mining	Nil			
Mine Hazards	Nil			
Drilling Blasting Technology	Nil			
Environment Management	Nil			
Mine Ventilation	Nil			
Mine Planning	05	04	80	Prof. Suraj Kumar
Advance Mining Method	05	04	80	Prof. Suraj Kumar
Rock Fragmentation	05	04	80	Prof. Suraj Kumar
Dimensional Stone Technology	05	05	100	Prof. J.V.Modi
Rock Excavation Technology	05	03	60	Prof. J.V.Modi
Safety Engineering	05	04	80	Prof. J.V.Modi
Internship/Major Project	05	05	100	J.V.MODI, SURAJ KUMAR

J. Student Feedback/ Analysis

The research on formative assessment and feedback is reinterpreted to show how these processes can help students take control of their own learning, i.e. become self-regulated learners. This reformulation is used to identify seven principles of good feedback practice that support self-regulation. A key argument is that students are already assessing their own work and generating their own feedback, and that higher education should build on this ability. The research underpinning each feedback principle is presented, and some examples of easy-to-implement feedback strategies are briefly described. This shift in focus, whereby students are seen as having a proactive rather than a reactive role in generating and using feedback, has profound implications for the way in which teachers organise assessments and support learning.

Student's feedbacks are taken at the end of every semester from the students of each class regularly. Parameters on which student's feedback has been taken are as follows:

Sr.No.	Criteria	Grade (out of 5)
1	Has the Teacher covered entire syllabus as prescribed by University	1/2/3/4/5
2	Has the Teacher covered relevant topics beyond syllabus	1/2/3/4/5
3	Effectiveness of Teacher in terms of: a. Technical Content/Course Content b. Communication skills c. Use of teaching aids	1/2/3/4/5
4	Pace on which content were covered	1/2/3/4/5
5	Motivation & inspiration for students to learn	1/2/3/4/5
6	Support for the development of students skill a. Practical demonstration b. Hands-on training	1/2/3/4/5
7	Clarity of expectation of students	1/2/3/4/5
8	Feedback provided on students progress	1/2/3/4/5
9	Willingness to offer help and advice to students	1/2/3/4/5

- ❖ Detailed scoring has been circulated to all the faculty members. It has been emphasized to draw their attention to look into their individual criteria wise score and to take further measures for effective improvement.

CIVIL ENGINEERING DEPARTMENT

A.Y. 2023-24[ODD Term]						
Sr. No.	Semester	Subject Name	Subject Code	Faculty	Average Rating out of 5	% Rating
1	VII	Engineering Economics, Estimation and Costing	3170615	Prof. G. M. SAVALIYA	4.31	86.21
2	VII	Design of Steel Structures	3170618	Prof. G. M. SAVALIYA	4.80	96.00
3	VII	Port and Harbour Engineering	3170623	Prof. H. U. Patel	4.65	93.00
4	VII	Infrastructure for smart Cities	3170628	Prof. V. H. KHOKHANI	4.30	86.08
5	VII	Design of hydraulic structures	3170621	Prof. V. H. KHOKHANI	4.28	85.58
6	VII	Construction Engineering and Management	3170614	Prof. S. G. Chauhan	4.19	83.75
7	VII	Irrigation Engineering	3170609	Prof. S. G. Chauhan	4.27	85.46
8	VII	Port and Harbour Engineering	3170623	Prof. R. K. RATHOD	4.63	92.63
9	V	Design Engineering-II A	3150001	Prof. N. R. Kotiya	4.72	94.42
10	V	Design Engineering-II A	3150001	Prof. H. U. Patel	4.81	96.13
11	V	Integrated Personality	3150005	Dr. G. M. Savaliya	4.76	95.21

		Development Course				
12	V	Concrete Technology	3150610	Prof. M. N. Prajapati	4.55	91.00
13	V	Concrete Technology	3150610	Prof. N. R. Kotiya	4.75	94.92
14	V	Transportation Engineering	3150611	Prof. H. U. Patel	4.81	96.21
15	V	Design of Structure	3150612	Prof. U. R. Patel	4.67	93.38
16	V	Pavement Design and Highway Construction	3150613	Prof. H. U. Patel	4.75	95.00
17	V	Structural analysis-II	3150614	Prof. M. N. Prajapati	4.55	91.08
18	V	Soil Mechanics	3150615	Prof. N. R. Kotiya	4.69	93.75
19	V	Remote Sensing And GIS	3150617	Prof. V. H. Khokhani	4.63	92.58
20	III	Effective Technical Comm.	3130004	A.A.VYAS	4.33	86.56
21	III	Indian Constitution	3130007	Prof. U. R. Patel	4.38	87.67
22	III	Design Engineering - I [A]	3130008	Prof. S. G. Chauhan	4.11	82.11
23	III	Design Engineering - I [A]	3130008	Prof. U. R. Patel	4.06	81.28
24	III	Geotechnical Engineering	3130606	Prof. N. R. Kotiya	4.39	87.72
25	III	Building Construction Technology	3130607	PROF. R. K. RATHOD	4.54	90.72

26	III	Mechanics of Solids	3130608	Prof. U. R. Patel	4.39	87.72
27	III	Mechanics of Solids	3130608	Prof. M. N. Prajapati	4.11	82.17
28	III	Building Construction Technology	3130607	Prof. S. G. Chauhan	4.34	86.83
29	I	Engineering Graphics & Design	3110013	Prof.A.D.PATEL	4.77	95.46
30	I	Physics	3110011	Prof.K.M.KOROT	4.74	94.72
31	I	Chemistry	3110001	Prof.C.G.PRAJAPATI	4.78	95.65
32	I	Basic Electrical Engineering	3110005	Prof.R.B.CHOUDARY	4.72	94.44
33	I	Environmental Sciences	3110007	Prof.C.G.PRAJAPATI	4.74	94.81
34	I	Engineering Graphics & Design	3110013	Prof.B.D.PRAJAPATI	4.75	94.91
35	I	Basic Electrical Engineering	3110005	Prof.K.G.PRAJAPATI	4.69	93.80
36	I	Mathematics - 1	3110014	Prof.R.H.CHAUDHARY	4.73	94.63
37	I	Engineering Graphics & Design	3110013	Prof.A.R.CHAUDHARY	4.71	94.17
38	I	Physics	3110011	Prof.S.K.SINGHAL	4.77	95.37
39	I	Mathematics - 1	3110015	Prof.D.A.PATEL	4.71	94.17

A.Y. 2022-23[EVEN TERM]						
Sr. No.	Semester	Subject Name	Subject Code	Faculty	Average Rating out of 5	% Rating
1	VI	Design Engineering 2 B	3160001	Prof. N. R. Kotiya	4.67	93.33
2	VI	Design Engineering 2 B	3160001	Prof. H. U. Patel	4.60	92.00
3	VI	Integrated Personality Development Course	3160003	Dr. G. M. Savaliya	4.58	91.54
4	VI	Water Resources Engineering and Hydrology	3160610	Prof. R. K. Rathod	4.63	92.58
5	VI	Environmental Engineering	3160611	Prof. S. G. Chauhan	4.62	92.42
6	VI	Urban Transportation Planning	3160609	Prof. S. G. Chauhan	4.62	92.33
7	VI	Design of Reinforced Concrete structures	3160612	Prof. U. R. Patel	4.50	89.92
8	VI	Design of Reinforced Concrete structures	3160612	Prof. M. N. Prajapati	4.56	91.17
9	VI	Traffic Engineering and Management	3160615	Prof. H. U. Patel	4.71	94.25
10	VI	Foundation Engineering	3160616	Prof. N. R. Kotiya	4.63	92.67
11	VI	Disaster Management	3160622	Prof. N. R. Kotiya	4.64	92.79

		Disaster Management	3160622	Prof. U. R. Patel	4.53	90.63
12	IV	Structural Analysis-I	3140603	Prof. U.R.PATEL	4.45	88.94
13	IV	Fluid Mechanics and Hydraulics	3140611	Dr. G.M. Savaliya	4.22	84.44
14	IV	Design Engineering-I B	3140005	Prof. S.G.Chauhan	4.13	82.61
15	IV	Design Engineering-I B	3140005	Prof. U.R.Patel	4.51	90.22
16	IV	SURVEYING	3140601	Prof. H.U.Patel	4.34	86.72
17	IV	Structural Analysis-I	3140603	Prof. M.N.Prajapati	4.19	83.83
18	IV	CSGI	3140609	Prof. M.N.Prajapati	4.19	83.72
19	IV	CVPDE	3140610	Prof. D.A.PATEL	4.07	81.44
20	IV	CVPDE	3140610	Prof.F.J.NARSINGA NI	4.06	81.28
23	II	English	3110002	AAV	4.03	80.50
24	II	Mathematics - 2 (3110015)	3110015	DAP	4.27	85.42
25	II	Mathematics - 2 (3110015)	3110015	FJN	4.33	86.67
26	II	Programming for Problem Solving	3110003	HVH	4.69	93.83
27	II	Basic Civil Engineering	3110004	RKR	4.56	91.11
28	II	Basic Mechanical Engineering	3110006	ARC	4.10	81.94

ELECTRICAL ENGINEERING DEPARTMENT

Sr No	Name of Faculty	Course Name	Course Code	Points Achieved	Total Points	Percentage
1	Prof. Kirti G. Prajapati	Basic Electrical Engineering	3110005	4.38	5	87.5
2	Prof. R. B. Chaudhary	Basic Electrical Engineering	3110005	4.6	5	92.08
3	Prof. H.V. Hirvaniya	Programming for Problem Solving	3110003	4.4	5	87.92
4	Prof. K. M. Gohel	Programming for Problem Solving	3110003	3.93	5	78.54
5	Prof. B. D. Prajapati	Engineering Graphics	3110013	4.28	5	85.63
6	Prof. A. R. Chaudhari	Engineering Graphics	3110013	4	5	80
7	Prof. S. K. Dabhi	Engineering Graphics	3110013	3.88	5	77.5
8	Dr. S. K. Singal	Environmental Science	3110007	3.85	5	77.08
9	Dr. K. M. Korat	Environmental Science	3110007	4.44	5	88.75
10	Prof. R. H. Chaudhary	Mathematics-1	3110014	4.07	5	81.46
11	Prof. F. J. Narsingani	Mathematics-1	3110014	4.44	5	88.75
12	Prof. B. R. Patel	Basic Electronics	3110016	3.53	5	70.58
13	Prof. K. M. Gohel	Basic Electronics	3110016	4.22	5	84.33
14	Dr. A. D. Patel	Basic Mechanical Engineering	3110006	4.3	5	86
15	Prof. P. N. Boka	Basic Mechanical Engineering	3110006	4.35	5	87
16	Dr. P. K. Gajjar	Basic Mechanical Engineering	3110006	4.03	5	80.67
17	Prof. F. J. Narsingani	Mathematics-2	3110015	4.41	5	88.25
18	Prof. R. H. Chaudhary	Mathematics-2	3110015	3.75	5	75.08
19	Prof. H. M. Goliwadiya	English	3110002	4.39	5	87.83
20	Prof. M. K. Patel	Workshop	3110012	4.28	5	85.5
21	Prof. K. M. Gohel	Workshop	3110012	4.06	5	81.25
22	Dr. S. K. Singal	Physics	3110018	3.61	5	72.22
23	Dr. K. M. Korat	Physics	3110018	4.39	5	87.87
24	Dr. C. G. Prajapati	Chemistry	3110001	4.5	5	90
25	Prof. R. B. Chaudhary	Control System Theory	3130905	5	5	100
26	Prof. Jugnu H. Patel	Control System Theory	3130905	4.98	5	99.58
27	Prof. B. R. Patel	Electrical Circuit Analysis	3130906	4.5	5	90
28	Prof. B. R. Patel	Analog & Digital Electronics	3130907	4.4	5	87.92
29	Prof. H. N. Chaudhari	Analog & Digital Electronics	3130907	4.94	5	98.75

Academic Excellence

Sr No	Name of Faculty	Course Name	Course Code	Points Achieved	Total Points	Percentage
30	Prof. F. J. Narsingani	Applied Mathematics for Electrical Engineering	3130908	4.73	5	94.58
31	Prof. R. H. Chaudhary	Applied Mathematics for Electrical Engineering	3130908	4.73	5	94.58
32	Prof. Anand A Vyas	Effective Technical Communication	3130004	4.88	5	97.5
33	Dr. Alpesh M. Patel	Indian Constitution	3130007	4.98	5	99.58
34	Prof. M. G. Prajapati	Indian Constitution	3130007	4.63	5	92.5
35	Prof. M. G. Prajapati	Design Engineerig-1A	3130008	4.71	5	94.17
36	Prof. B. R. Patel	Integrated Personality Development Program	3150005	3.34	5	66.84
37	Prof. H. N. Chaudhari	Professional Ethics	3150709	3.8	5	75.96
38	Prof. K. M. Gohel	Professional Ethics	3150709	3.92	5	78.33
39	Prof. Manish G. Prajapati	Electrical Machine- II	3150910	4.17	5	83.33
40	Prof. Kirti G. Prajapati	Electrical Machine- II	3150910	3.57	5	71.49
41	Prof. Jugnu H. Patel	Power System- II	3150911	4.29	5	85.7
42	Prof. Alpesh M. Patel	Power System- II	3150911	4.07	5	81.32
43	Prof. Hitesh V. Hirvaniya	Signals and Systems	3150912	4.14	5	82.72
44	Prof. K. M. Gohel	Signals and Systems	3150912	3.76	5	75.26
45	Prof. H. N. Chaudhari	Disaster Management (DE)	3150913	3.95	5	79.06
46	Prof. K. M. Gohel	Disaster Management (DE)	3150913	4.14	5	82.71
47	Prof. Manish K. Patel	Python Programming (DE)	3151108	4.25	5	85
48	Prof. J. H. Patel	Switchgear and Protection	3170908	4.76	5	95.23
49	Prof. A. M. Patel	Switchgear and Protection	3170908	4.81	5	96.21
50	Prof. K. G. Prajapati	AC Machine Design	3170909	4.52	5	90.38
51	Prof. M. G. Prajapati	Industrial Electrical Systems	3170920	4.62	5	92.35
52	Prof. A. M. Patel	Electrical and Hybrid Vehicle	3170923	4.82	5	96.36
53	Prof. M. K. Patel	Industrial Automation	3170925	4.64	5	92.8
54	Prof. M. K. Patel	High Voltage Engineering	3170917	4.67	5	93.48
55	Prof. H. N. Chaudhari	High Voltage Engineering	3170917	4.5	5	89.92
56	Prof. S. K. Singal	Economics for Engineers	3140911	4.02	5	80.33
57	Prof. C. G. Prajapati	Economics for Engineers	3140911	4.05	5	81
58	Prof. J. H. Patel	Electromagnetic Fields	3140912	4.03	5	80.67
59	Prof. H. N. Chaudhari	Electromagnetic Fields	3140912	4.18	5	83.67

Academic Excellence

Sr No	Name of Faculty	Course Name	Course Code	Points Achieved	Total Points	Percentage
60	Prof. M. G. Prajapati	Electrical Machine-I	3140913	4.07	5	81.33
61	Prof. A. M. Patel	Power Systems-I	3140914	4.23	5	84.67
62	Prof. J. H. Patel	Power Systems-I	3140914	4.13	5	82.67
63	Prof. H. N. Chaudhari	Power Electronics	3140915	4.1	5	82
64	Prof. K. M. Gohel	Power Electronics	3140915	4.03	5	80.67
65	Prof. H. N. Chaudhari	Design Engineering-1B	3140005	4.2	5	84
66	Prof. J. H. Patel	Design Engineering - II B	3160001	4.39	5	87.87
67	Prof. R. B. Chaudhary	Design Engineering - II B	3160001	4.56	5	91.11
68	Prof. B. R. Patel	Integrated Personality Development Course	3160003	3.79	5	75.83
69	Prof. Manish K. Patel	Microprocessors and Microcontrollers	3160914	4.07	5	81.48
70	Prof. Hitesh V. Hirvaniya	Microprocessors and Microcontrollers	3160914	4.26	5	85.19
71	Prof. R. B. Chaudhary	Electrical Measurement and Measuring Instruments	3160915	4.58	5	91.57
72	Prof. Kirti G. Prajapati	Electrical Measurement and Measuring Instruments	3160915	3.81	5	76.3
73	Prof. Alpesh M. Patel	Wind and Solar Energy	3160917	4.41	5	88.24
74	Prof. R. B. Chaudhary	Electrical Materials	3160923	4.51	5	90.28
75	Prof. J. H. Patel	HVDC Transmission Systems	3160921	4.46	5	89.29
76	Prof. Manish K. Patel	HVDC Transmission Systems	3160921	4.0	5	80
77	Prof. Kirti G. Prajapati	Inter Connected Power System	3160920	4.15	5	82.92

MECHANICAL ENGINEERING DEPARTMENT

A.Y. 2023-24 [ODD Term] Phase-1						
Sr. No.	Sem	Subject Name	Subject Code	Faculty	Average Rating out of 5	% Rating
1.	VII	Automation in Manufacturing	3171922	Prof. K. S. Banker	4.81	96.25
2.	VII	Automation in Manufacturing	3171922	Prof. B. D. Prajapati	4.21	84.17
3.	VII	Design of Machine Element	3171917	Prof. K. P. Modi	4.27	85.42
4.	VII	Design of Machine Element	3171917	Prof. A. D. Patel	4.64	92.83
5.	VII	Nano Technology and Surface Engineering	3171931	Dr. D. M. Patel	4.70	93.92
6.	VII	Power Plant Engineering	3171910	Prof. S. K. Dabhi	4.06	81.29
7.	VII	Quality and Reliability Engineering	3171929	Prof. P. K. Gajjar	4.21	84.17
8.	VII	Quality and Reliability Engineering	3171929	Prof. G. S. Patel	4.15	83.00
9.	VII	Rapid Prototyping	3171926	Prof. P. K. Gajjar	4.50	90.07
10	VII	Rapid Prototyping	3171926	Prof. K. S. Banker	4.81	96.25
11	V	Design Engineering – 2A	3150001	Prof. P. K. GAJJAR	4.26	85.13
12	V	Dynamics of Machinery	3151911	Prof. P. N. BOKA	3.76	75.26

13	V	Heat Transfer	3151909	Prof. V.D.Patel	4.50	89.94
14	V	Integrated Personality Development Course	3150005	Prof. P. K. GAJJAR	4.08	81.67
15	V	Integrated Personality Development Course	3150005	Prof. G. S. PATEL	3.81	76.28
16	V	Manufacturing Technology	3151912	Prof. A. K. PATEL	4.31	86.22
17	V	Manufacturing Technology	3151912	Prof. P. K. GAJJAR	4.13	82.50
18	V	Oil Hydraulics And Pneumatics	3151913	Prof.A.R.Chaudhari	3.75	75.06
19	V	Operation Research	3151910	Prof. B. D. PRAJAPATI	3.77	75.45
20	III	Complex Variable and Partial Differential Equation	3130005	Prof. R.H.Chaudhari	4.01	80.24
21	III	Complex Variable and Partial Differential Equation	3130005	Prof. D.A.Patel	4.60	92.08
22	III	Design Engineering -I A	3130008	Prof. P.N.Boka	4.69	93.70
23	III	Engineering Thermodynamics	3131905	Prof. S.K.Dabhi	4.50	90.00
24	III	Engineering Thermodynamics	3131905	Prof. G.S.Patel	4.66	93.13
25	III	ETC	3130004	Visiting Faculty	4.53	90.67

26	III	Indian Constitution	3130007	Prof. K.P.Modi	4.69	93.89
27	III	Kinematics and Theory of Machines	3131906	Prof. P.N.Boka	4.57	91.33
28	III	Kinematics and Theory of Machines	3131906	Prof. K.P.Modi	4.48	89.67
29	III	Material Science and Metalurgy	3131904	Prof. A.K.Patel	4.70	93.94
30	I	Basic Electrical Engineering	3110005	Prof. K. G. Prajapati	3.69	73.75
31	I	Basic Electrical Engineering	3110005	Prof. R. B. Chaudhari	4.31	86.25
32	I	Engineering Graphics & Design	3110013	Prof. A. R. Chaudhari	3.33	66.67
33	I	Engineering Graphics & Design	3110013	Prof. B. D. Prajapati	3.60	72.08
34	I	Engineering Graphics & Design	3110013	Prof. A. D. Patel	3.92	78.33
35	I	Environmental Sciences	3110007	Prof. C. G. Prajapati	4.04	80.83
36	I	Mathematics - 1	3110014	Prof. D. A. Patel	3.46	69.17
37	I	Mathematics - 1	3110014	Prof. R. H. Chaudhari	3.81	76.25
38	I	Physics	3110018	Prof. K. M. Korot	3.79	75.83
39	I	Physics	3110018	Prof. S. K. Singhal	3.90	77.92

A.Y. 2023-24 [EVEN Term] Phase-1I						
Sr. No.	Sem	Subject Name	Subject Code	Faculty	Average Rating out of 5	% Rating
1	VI	Design Engineering – 2B	3160001	Dr. A.R.Chaudhari	4.55	91.04
2	VI	Advanced Manufacturing Technology	3161922	Dr. D.M.PATEL	4.88	97.67
3	VI	Computer Aided Manufacturing	3161917	Dr. D.M.PATEL	4.67	93.44
4	VI	Automobile Engineering	3161920	Prof. A.D.PATEL	4.52	90.49
5	VI	Advanced Manufacturing Technology	3161922	Prof. K.S.BANKER	4.66	93.23
6	VI	Computer Aided Manufacturing	3161917	Prof. K.S.BANKER	4.70	94.06
7	VI	Entrepreneurship and E-business	3161924	Prof. K.S.BANKER	4.70	94.10
8	VI	Renewable Energy Engineering	3161914	Prof. A.B.PATEL	4.69	93.72
9	VI	Basics of Industrial Engineering	3161907	Prof. G.S.PATEL	4.57	91.39
10	VI	Applied Thermodynamics	3161910	Prof. S.K.DABHI	4.47	89.42
11	VI	Integrated Personality Development Course	3160003	Prof. P.K.Gajjar	4.72	94.36
12	VI	Entrepreneurship and E-business	3161924	Prof. G.S.PATEL	4.5	90

13	IV	Mechanical Measurement and Metrology	3141901	Prof. B.D.Prajapati	4.29	85.83
14	IV	Fluid Mechanics and Hydraulics Machines	3141906	Prof. V.D.Patel	4.45	89.05
15	IV	Fundamentals of Machine Design	3141907	Prof. K.P.Modi	4.40	88.10
16	IV	Manufacturing Processes	3141908	Prof. A.K.Patel	4.45	88.93
17	IV	Organisational Behaviour	3141909	Prof. A.R.Chaudhari	4.39	87.86
18	IV	Design Engineering – 1B	3140005	Prof. B.D.Prajapati	4.25	85.00
19	II	Basics Mechanical Engineering	3110006	Prof. A. R .Chaudhari	3.67	73.33
20	II	Basics Mechanical Engineering	3110006	Prof. P. K. Gajjar	4.24	84.76
21	II	Basics Mechanical Engineering	3110006	Prof. V. D. Patel	4.23	84.52
22	II	Maths-II	3110015	Dr. F. J. Narsingani	4.15	83.10
23	II	Maths-II	3110015	Dr. D. A. Patel	3.62	72.38
24	II	Workshop	3110012	Prof. K. P. Modi	4.26	85.24
25	II	Basic of Civil Engineering	3110004	Prof. R. K. Rathod	3.92	78.33
26	II	Programming for Problem Solving	3110003	Prof. H. V. Hirvaniya	4.43	88.57

MINING ENGINEERING DEPARTMENT**Semester I**

Sr. No.	Subject name & code	Faculty Name	Points Achieved	Total Points	Performance %
1	PPS 3110003		Nil		
2	BEE 3110005		Nil		
3	ES 3110007		Nil		
4	EG 3110013		Nil		
5	MATHS-I 3110014		Nil		

Semester II

Sr No.	Subject name & code	Faculty Name	Points Achieved	Total Points	Performance %
1	CHEMISTRY 3110001		Nil		
2	ENGLISH 3110002		Nil		
3	BCE 3110004		Nil		
4	BME 3110006		Nil		
5	WS 3110012		Nil		
6	MATHS – II 3110015		Nil		

Semester III

SrNo.	Subject name & code	Faculty Name	Points Achieved	Total Points	Performance %
1	ETC 3130004	A.A.Vyas	280	300	93.00
2	CVPDE 3130005	Prof. R.H.Cahaudhary /Prof. D.A.Patel	285	300	95.00
3	IC	Prof. Suraj Kumar	287	300	95.67

	3130007				
4	DE-1A 3130008	Prof. J.V.Modi	289	300	96.33
5	MOS 3130608	Prof. M.N.Prajapati/ Prof U.R Patel	285	300	95.00
6	IM 3132201	Prof. J.V.Modi	287	300	95.67
7	GEOLOGY 3132203	Prof. H.B. Patel	287	300	95.67

Semester IV

Sr. No.	Subject name & code	Faculty Name	Points Achieved	Total Points	Performance %
1	DE-1B 3140005	Prof. J.V.Modi	289	300	96.33
2	MS-I 3142202	Prof. J.V.Modi	287	300	95.67
3	MM-I 3142201	Prof. Suraj Kumar	287	300	95.67
4	MMGS 3142207	Prof. Suraj Kumar	285	300	95.00
5	MG 3142208	Prof. Suraj Kumar	286	300	95.33
6	RM 3142209	Prof. J.V.Modi	287	300	95.67

Semester V

Sr. No.	Subject name & code	Faculty Name	Points Achieved	Total Points	Performance %
1	DE – IIA 3150001		Nil		
2	MS - II 3152208		Nil		
3	UCM 3152206		Nil		
4	ML 3152207		Nil		
5	MM-2 3152201		Nil		
6	IPDC 3150005		Nil		
7	HRM 3152209		Nil		

Semester VI

Sr No.	Subject name & code	Faculty Name	Points Achieved	Total Points	Performance %
1	DE – IIB 3160001		Nil		
2	IPDC 3160003		Nil		
3	UMM 3162202		Nil		
4	MH 3162204		Nil		
5	MV 3162207		Nil		
6	DBT 3162211		Nil		
7	EM 3162213		Nil		

Semester VII

Sr. No.	Subject name & code	Faculty Name	Points Achieved	Total Points	Performance %
1	MP 3172208	Prof. Suraj Kumar	296	300	98.67
2	AMM 3172211	Prof. Suraj Kumar	300	300	100
3	RF 3172213	Prof. Suraj Kumar	300	300	100
4	DST 3172214	Prof. J.V.Modi	300	300	100
5	RET 3172216	Prof. J.V.Modi	300	300	100
6	SE 3172217	Prof. J.V.Modi	300	300	100
7	Summer Internship 3170001	J V Modi/ Suraj Kumar	295	300	98.00

Semester VIII

Sr. No.	Subject name & code	Faculty Name	Points Achieved	Total Points	Performance %
1	Internship/ Major Project 3182201	J V Modi/ Suraj Kumar	295	300	98

CO-CURRICULAR ACTIVITIES

CO-CURRICULAR ACTIVITIES

A. Induction Program

Student Induction Program

(For all 1st year students)

From: 11/07/23 to 25/07/23 (A. Y.: 2023-24)

Background

Induction Program was discussed and approved for all colleges by AICTE in March 2017. It was discussed and accepted by the Council of IITs for all IITs in August 2016. It was originally proposed by a Committee of IIT Directors and accepted at the meeting of all IIT Directors in March 2016. Gujarat technological university had accepted to implement the course Student Induction Program with university subject code 3110017 from academic year 2018-19.

Preamble

The goal of engineering education is to train engineering graduates well in branch of admission, have a holistic personality and must have desire to serve society and nation. It is expected that an engineering graduate work for solving the problems of society using the modern technologies and practices. That needs the broad understanding of the society and relationships. It is needed to cultivate the human values in engineering graduates to fulfil his responsibilities as an engineer, a citizen and a human being.

Considering the various social backgrounds and whether a student comes from the urban or rural areas they differ in many of the life skills and their abilities and thinking. Their branch of admission may be due to rush; their interest in subject is question. They are facing the issues like hostel and settlements, pressures from peers and many related issues. To overcome such issues, it is necessary to create an environment for students so that they feel comfortable, find their interest and explore their inner beings, create bonding with other students, establish relation with teachers, work for excellence, get a broader view of life and practice human values to build characters. The Induction Program covers the various activities which enables them to overcome all such issues and motivates them to perform well in their chosen branch of admission.

3-week long induction program was proposed for the UG students entering the institution, right at the start. For this academic year GTU has decided to conduct induction program for 2-weeks. Normal classes will start after the induction program. Its purpose is to take the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large, and nature.

Institute Induction Program Cell

To run this program successfully Institute Induction Program Cell (IIPC) was designed on 02/06/2018 with one convener and three members. Recently the office order was revised on 01/07/2023.

As per the latest office order following are the committee members of IIPC:

Sr. No.	Name of Officer	Designation	Position in committee
1	Prof. A. D. Patel	Asst. Professor, Mech	Convener
2	Prof. H. V. Hirvaniya	Asst. Professor, Elect.	Member
3	Prof. S. G. Chauhan	Asst. Professor, Civil	Member

Duty was assigned to IIPC is to carry out the activities and successful implementation of mandatory student induction program at the institute.

Scheme

Following scheme for the induction program was suggested by Gujarat technological university for the year 2023-24:

S. N.	Phase and Activities Heads	Weightage
1.	Initial Phase	1 day (6 Hrs)
2.	Regular Phase	10 Days
a)	Physical activity	12 Hours
b)	Creative Arts	12 Hours
c)	Universal Human Values	12 Hours
d)	Literary	8 Hours
e)	Proficiency Modules	8 Hours
f)	Lectures by Eminent People	4 Hours: (2 Expert Lectures)
g)	Innovations	4 Hours
3.	Closing Phase	1 Day (6 Hrs)
Total		72 Hours

FDPs by IIPC members

1. First Faculty development program for 3 days was held from 5/6/18 to 7/6/18 at Ganpat University, Kherva. Prof. A. D. Patel, Prof. K. G. Prajapati and Prof. Jugnu H. Patel had attended this program.
2. Second Faculty development program for 7 days was held from 30/6/18 to 6/7/18 at GTU, Ahmedabad. Prof. A. D. Patel, Prof. K. G. Prajapati and Prof. S. G. Chauhan had attended this program.
3. Online FDP on “Inculcating Universal Human Values in Technical Education” was arranged from 26-4-20 to 30-4-20. It was attended by Prof. A. D. Patel.
4. Online FDP on “Part 1 of UHV Refresher 1” organized by AICTE from 23/11/2020 to 27/11/2020. It was attended by Prof. A. D. Patel.
5. Online FDP on “UGC-AICTE Incorporating Universal Human Values in Education-(Hindi)-319” was attended by Prof. A. D. Patel.

Institute Time Table for Student Induction Program for A.Y. 2023-24

To run induction program as per the above mentioned scheme following time table was prepared:

Date	DAY	Time	Activity	Staff
11-07-23	Tuesday	10:30 to 5:30 (Full Day)	Initial Phase (Familiarization with College/Department)	ADP/HV H/SGC
12-07-23	Wednesday	10:30 to 12:30	Physical Activity	KMK
		1:00 to 3:00	Universal Human Values	CGP
		3:10 to 5:10	Creative Arts	FJN
13-07-23	Thursday	10:30 to 12:30	Physical Activity	KMK
		1:00 to 3:00	Universal Human Values	CGP
		3:10 to 5:10	Creative Arts	FJN
14-07-23	Friday	10:30 to 12:30	Physical Activity	KMK
		1:00 to 3:00	Universal Human Values	KGP
		3:10 to 5:10	Creative Arts	FJN
15-07-23	Saturday	10:30 to 12:30	Physical Activity	KMK
		1:00 to 3:00	Universal Human Values	KGP
		3:10 to 5:10	Creative Arts	RHC
17-07-23	Monday	10:30 to 12:30	Physical Activity	KMK
		1:00 to 3:00	Universal Human Values	ADP
		3:10 to 5:10	Creative Arts	RHC
18-07-23	Tuesday	10:30 to 12:30	Physical Activity	KMK
		1:00 to 3:00	Universal Human Values	ADP
		3:10 to 5:10	Creative Arts	RHC
19-07-23	Wednesday	10:30 to 12:30	Literary	RKR
		1:00 to 3:00	Proficiency Module	HVH
		3:10 to 5:10	Innovation	PNB
20-07-23	Thursday	10:30 to 12:30	Literary	RKR
		1:00 to 3:00	Proficiency Module	HVH
		3:10 to 5:10	Innovation	PNB
21-07-23	Friday	10:30 to 12:30	Literary	DAP
		1:00 to 3:00	Proficiency Module	HVH
		3:10 to 5:10	Lecture by Eminent People	SKS
24-07-23	Monday	10:30 to 12:30	Literary	DAP
		1:00 to 3:00	Proficiency Module	HVH
		3:10 to 5:10	Lecture by Eminent People	SKS
25-07-23	Tuesday	10:30 to 5:30 (Full Day)	Closing Phase	ADP/HV H/SGC

Activities Performed during Induction Program

1. Initial Phase (First Day)

Generally on 1st day for first year students, orientation program is organized. This program is a welcome event sponsored by this institute. All the students admitted in 1st semester at this institute participate in this program. G.E.C. Palanpur had organized this program on 11/07/2023 at 11:00am at electrical seminar hall. Purpose of this program is to avail awareness in new admitted students about the academic and nonacademic facilities available in college premises.

Following are the activities which were planned and executed during orientation program:

- Know your Department/Institute
- Know your university
- Know hostel and other amenities
- Information about Student Diary and Induction Program



This program was arranged after the admission 1st round allotment. Total 18 students were attended the orientation program.

GOVERNMENT ENGINEERING COLLEGE, PALANPUR				
Orientation program 2023-24 (11-07-2023)				
Attendance Sheet				
SN	BRANCH	NAME	SIGN.	Need HOSTEL Yes/No
1	Computer Eng.	Patel Sweni Gopalbhai	Sweni	No
2	Computer Eng.	Vaade Vishwa Ashvinbhai	Vaade	No
3	computer Eng.	patel dhruvi dipakbhai	D.P. patel	yes
4	civil Eng.	Samsetu Mamta Vinodbhai	Samsetu	No.
5	Civil Eng.	Patel Siya Hareeshbhai	Siya	No.
6	civil Eng.	Devesh Patel Jay Shaileshbhai	Devesh	NO
7	civil Engg.	Prajapati Prudul Govindbhai	Prajapati	No.
8	civil Eng.	Bhuniya Arjun Kumar Pathubhai	A.P. Bhuniya	NO
9	mechanical Eng.	Cherubhary Vijay Kumar Harinambhai	Cherubhary	Yes
10	Computer Eng.	Patel Himmatbhai Dabhi	Patel Himmat	Yes
11	Civil Eng.	Ghadiya Piyushbhai Ashokbhai	Piyush	Yes
12	Computer Engg.	Fatavat Arman Lukman.	Arman	NO
13	civil Engg.	Sanjay Shaileshbhai Padhiyar	Sanjay	yes
14	computer Engg.	vedant Manishbhai Soni	Vedant	Yes
15	Computer Engg.	Modi Vishakha Ashokkumar	Modi	No
16	ELECTRICAL Engg.	Patel Nishi Jitendra bhai	Nishi	Yes
17	mechanical	Zala suvadevsinh Gajendrasinh	Suvadevsinh	No
18	computer Eng.	mukvesh Hiteshkumar popatji	H.P.M	Yes

2. Regular phase (12/07/23 to 25/07/23)

The Regular Phase was of 11 days, each day was of 6 hours. It covered all the 7 different activity modules.

(a) Physical Activity

Following activities were covered for 12 hours by Prof. K. M. Korot.

- Various yard work, tree plantation, tree/plant maintenance, Gardening, cleanliness etc.
- Making Plastic free campus.
- For 30 min awareness regarding how and why to do Yoga.
- Various outdoor Sports and Indoor Games like 4x4, 100m, 200m, 400m, 800m, 1600m, etc. were Included. Students were enjoyed these all games very much.



(b) Creative Arts

Prof. R. H. Chaudhari and Prof. F. J. Narsingani have conducted this activity. Various Creative Arts activities were covered for 12 hours. Students were exposed with drawing, Painting, Craft etc. During this activity students had got good exposure to their artist ability, creativity and imagination. Students were equipped with tools and techniques.





(c) Universal Human Values

Prof. A. D. Patel, Prof. K. G. Prajapati and Dr. C. G. Prajapati have conducted sessions of UHV. Following activities were covered for 12 hours:

- i. Students made aware regarding environmental issues and remedies
- ii. Students were taught the difference between **SUKH** and **SUVIDHA**. Initiated the process of self-exploration and self-investigation within themselves about their understanding of happiness.
- iii. Conducted universal human values group discussions.



(d) Literary

Prof. D. A. Patel and Prof. R. K. Rathod have conducted the sessions of literary. Following activities were covered for 8 hours:

- i. Digital literacy
- ii. Use of Internet
- iii. Basic Mathematics for Solving Real World Problems
- iv. Use of Scientific Calculator in Engineering

- v. Vedic Mathematics
- vi. Reading/writing/speaking/listening
- vii. Elocution/Debate



By these activities students would be developed their thinking skills and improved reading abilities and attitude. Students were motivated to create the nature of inquiry and reading habits.

(e) Proficiency modules

Prof. H. V. Hirvaniya has conducted the sessions of Proficiency Modules. Following activities were covered for 8 hours:

- i. To determine student's English proficiency level, general English diagnostic test in form of MCQ and formal both were taken. According the result students were grouped in satisfactory, satisfactory and good level.
- ii. Learnt them vocabulary, idioms, and expressions and understand their meanings in context.
- iii. Developed ability to write a paragraph about general topics by using the English language correctly.
- iv. Students are mentored to improve in English language according to his/her proficiency level based on test.
- v. Students were directed to see documentary and played a language games.
- vi. One session of essay and story writing was conducted.

(f) Visit to Local Area and Industry

Prof. A. D. Patel and Prof. M. K. Patel accompanied the students for the visit of "Exhibition on Plasma Research" at Vidhyamandir high school palanpur. Exhibition was arranged by Institute of plasma research (IPR) Gandhinagar. Students were made aware with the fourth state of matter the Plasma, its storage and its applications. It was really an informative visit.



(g) Innovation

Two sessions each of two hours were conducted under innovation by Prof. P. N. Boka. During this session students are made aware with innovative and modern practices and products in particular discipline. Live launching of “Chandrayaan-3” was demonstrated and explained the technology behind that.



3. Closing Phase (Last Day)

Following are the activities which were carried on the last day (25/07/2023):

- Conclusion of the Induction Program.

- Students were guided for preparation of student report.
- Students were instructed regarding submission and examination pattern of the Induction Program.
- More than 40 students were attended Induction Program. There was a feedback session regarding the way by which induction program conducted in the institute. Around 9 students had given their feedback. They all have appreciated the mode and contents of program conducted. They all were very much thankful to Principal and the faculties who were concern with this induction program.
- Students were made familiarize with department infrastructure, laboratory setup, staff seating and class rooms.



B. Career Guidance/Gate Counseling/Mock Interview

Following Seminar has been arranged for personality development of students

Sr. No.	Date	Topic	Name of Expert	Name of coordinator
1	21/02/2023	Expert session on strategy to crack gate and other competitive exams	Mr.Shishir Persi(from Madeeasy)	Prof. A.D.Patel

C. Finishing School

Institute has organized skill development training through finishing school to the pre final year students of Civil, Electrical and mechanical department. Our college allocated first Set-A of twenty hours of training as mentioned in the following table. The registered students have participated in two sets of total 40 hours training program. These sessions were conducted by empaneled trainers, who executed the assigned task in most interactive way. The topics covered were mainly focused on employability skills and life skills providing a thinking approach. Course broadly covered Grooming & Personal Hygiene, Body Language, Time Management & Punctuality, Leadership Skills & Following Directions, Planning & Organizational Skills, Professional Ethics, Cover Letter, Resume Writing, Presentation Skill, Group Discussion, Interview Skills, Efficiency, Everyday English and facing interviewing and most importantly engaging themselves for further enhancement with self-consciousness for speaking third language. They were informed what is expected by post globalized millennial child in terms of employability as fresher.

A.Y. 2023-24

Total 110 (**3rd year**) students of Civil, Electrical and mechanical department are registered and participated in finishing school training program in academic year 2023-24.

Sr. No.	Name of training	Start Date	End Date	Number of Beneficiary	Beneficiary from Civil	Beneficiary from Mechanical	Beneficiary from Electrical	Beneficiary from Mining
1	Set-A and C total of 40 hours	19-02-2024	1-03-2024	55	-	26	29	0
2	Set-B and D total of 40 hours	19-02-2024	1-03-2024	55	55	0	0	0



D. Open House/Tech Events/Poster Presentations/Tech Days

Following events are organized under the umbrella of “PRAXES”

ROBO RACE

Participants designed and programmed autonomous robots to navigate a challenging obstacle course in the shortest time possible. The event showcased innovative engineering and programming skills, with robots overcoming hurdles, ramps, and sharp turns.

ROBO WAR

Teams pitted their combat robots against each other in an arena, competing to disable or immobilize their opponent. The event was thrilling, with sparks flying and robots demonstrating impressive offensive and defensive strategies.

ROBO SOCCER

In this high-energy event, robots designed by students played soccer, showcasing their maneuverability and coordination. Teams programmed their robots to dribble, pass, and score goals, drawing cheers from an enthusiastic audience.

Born to Fly

Participants constructed and flew model airplanes or drones, demonstrating their understanding of aerodynamics and remote-control technology. The event judged on flight stability, distance, and creativity in design.

Constructo

This event challenged participants to build the tallest and most stable structures using limited materials. Creativity and engineering principles were tested as students competed to create impressive and functional designs.

Quiz - o - Tech

A technology-focused quiz competition where teams answered questions on various tech-related topics. The event tested participants' knowledge and quick thinking, with rounds covering hardware, software, and recent innovations.

CADventure (2D, 3D, Design)

Participants showcased their skills in computer-aided design (CAD) by creating detailed 2D and 3D models. The event highlighted creativity and precision, with designs evaluated for complexity and functionality.

Coding

A competitive programming event where participants solved complex problems using various coding languages. The event tested algorithmic thinking and coding efficiency, with challenges ranging from easy to highly complex.

PCB Master

Students designed and assembled printed circuit boards (PCBs) to create functional electronic circuits. The event assessed their understanding of electronic components, circuit design, and soldering skills.

Poster Presentation

Participants created informative and visually appealing posters on scientific and technological topics. The posters were judged on clarity, creativity, and the ability to convey complex information succinctly.

Rangoli

A traditional Indian art form event where participants created intricate designs using colored powders, flowers, and other materials. The event celebrated creativity and cultural heritage, with stunning patterns and themes.

LAN GAME

A multiplayer gaming event held over a local area network, featuring popular games. Participants competed in teams, showcasing their strategic thinking and teamwork in a high-energy gaming environment.

LUDO KING

A digital board game competition where participants played Ludo King, combining luck and strategy. The event was a fun and engaging way for students to compete in a relaxed and enjoyable setting.

FREE FIRE

An intense mobile gaming competition featuring the popular battle royale game Free Fire. Participants demonstrated their gaming skills, strategic planning, and quick reflexes in a series of matches.

Treasure Hunt

A campus-wide scavenger hunt where teams followed clues and solved puzzles to find hidden treasures. The event encouraged teamwork, problem-solving, and exploration, making it an exciting adventure for all participants.

Best out of Waste

Participants created innovative and useful items from discarded materials, promoting recycling and sustainability. The event highlighted creativity and resourcefulness, with impressive projects made from everyday waste.

Debate

A formal debate competition where participants argued for or against various topics. The event tested their public speaking, critical thinking, and persuasion skills, with judges evaluating their arguments and delivery.

Story on Pic

Participants were given a set of images and tasked with creating an engaging story around them. The event emphasized creativity and narrative skills, with captivating stories that brought the images to life.

Cooking

An event where participants showcased their culinary talents by preparing delicious dishes. The event focused on creativity, presentation, and taste, with judges sampling a variety of cuisines and recipes.

Art & Craft

Participants demonstrated their artistic skills through various crafts, including painting, sculpture, and handmade decorations. The event celebrated creativity and craftsmanship, with beautiful and imaginative works on display.

Photography

An event where participants submitted their best photographs, capturing moments, landscapes, and emotions. The event showcased their technical skills and artistic eye, with stunning images judged on composition and creativity.

Laser Maze

Participants navigated a room filled with laser beams, aiming to complete the course without touching any beams. The event tested their agility and problem-solving skills in a fun and challenging setting.

Darts (Target)

A target-based event where participants aimed darts at a dartboard, competing for the highest score. The event combined skill, precision, and focus, with participants aiming to hit the bullseye.

Short Film

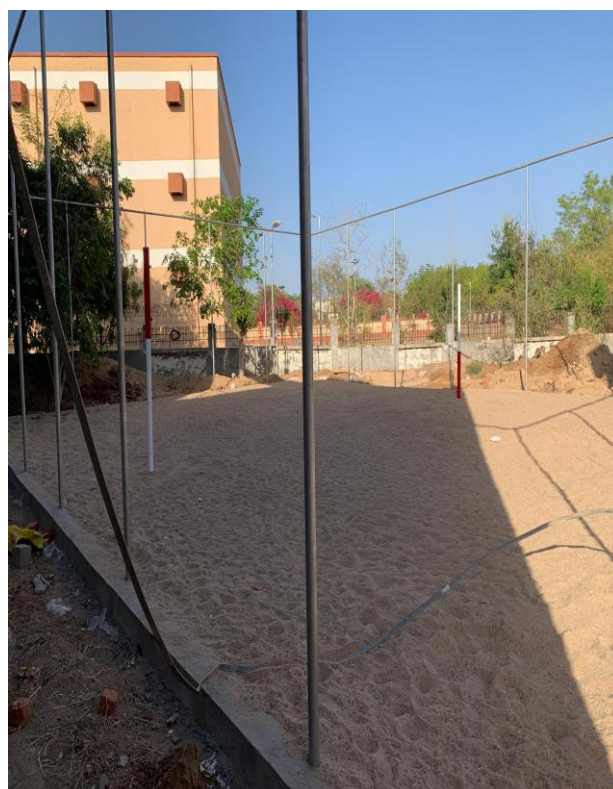
Teams created short films on various themes, showcasing their storytelling and filmmaking skills. The films were judged on creativity, direction, and overall impact, with impressive entries from budding filmmakers.

Talent Show

A showcase of diverse talents, including singing, dancing, and other performing arts. Participants displayed their unique skills, entertaining the audience with a variety of acts and performances.

E. New Development work at GEC Palanpur

Sr. No.	Name of Work	Approximate Cost of Work in Lacs carried out by R&B Palanpur
1	Providing false ceiling in various HOD cabins and miscellanies work	2.31
2	Refurbishment of Principal meeting room with false ceiling, Furniture and miscellaneous work.	1.76
3	Construction of cricket practice pitch and Construction of volley ball court at Engineering college Jagana	23.28
4	Providing Paver block at Engineering college Jagana	8.57
5	Providing water connections and necessary drainage system with necessary fitting and fixtures in laboratories at GEC Palanpur	5.71



F. Summer Training

Sr No	Name of Industry	Training starts from	Duration	No. of Student	Department
1	UNDER GOVERNMENT OF GUJARAT	15-01-2024	12 weeks	1	Civil
2	BHATOL BROTHERS	15-01-2024	12 weeks	1	Civil
3	VIYUHA INFRABUILD	15-01-2024	12 weeks	1	Civil
4	SAVANI HERITAGE CONSERVATION PVT. LTD.	15-01-2024	12 weeks	1	Civil
5	VISHWAKARMA YOJANA PHASE - XI	15-01-2024	12 weeks	1	Civil
6	H.K.INFRACON.PVT.LTD	15-01-2024	12 weeks	1	Civil
7	SHYAM DEVELOPERS & BROKERS	15-01-2024	12 weeks	1	Civil
8	AMG INFRACON LLP. PALANPUR	15-01-2024	12 weeks	1	Civil
9	H.K.INFRACON.PVT.LTD	15-01-2024	12 weeks	1	Civil
10	GPC INFRASTRUCTURE PVT LTD	15-01-2024	12 weeks	1	Civil
11	ARTECH INFRACON PVT . LTD.	15-01-2024	12 weeks	1	Civil
12	RKC INFRABUILT PVT LTD	15-01-2024	12 weeks	1	Civil
13	J.KUMAR INFRAPROJECT LIMITED	15-01-2024	12 weeks	1	Civil
14	MILLINEUM REALITY	15-01-2024	12 weeks	1	Civil
15	VIVAAN REALTY	15-01-2024	12 weeks	1	Civil

16	HIGH RISE DEVELOPERS LLP	15-01-2024	12 weeks	1	Civil
17	VISHWAKARMA YOJANA PHASE - XI	15-01-2024	12 weeks	1	Civil
18	ALC CONSTRUCTION	15-01-2024	12 weeks	1	Civil
19	KSF BUILDCON LLP	15-01-2024	12 weeks	1	Civil
20	NILKANTH INFRA	15-01-2024	12 weeks	1	Civil
21	PRANAV DEVELOPERS	15-01-2024	12 weeks	1	Civil
22	WAGAD INFRAPROJECT PVT. LTD. (NHAI APPROVED PROJECT)	15-01-2024	12 weeks	1	Civil
23	H&N PROJECT	15-01-2024	12 weeks	1	Civil
24	AKSHARDHAM REALTY LLP	15-01-2024	12 weeks	1	Civil
25	MEDHA INFRACON LLP	15-01-2024	12 weeks	1	Civil
26	SHASHWAT BUILDCON	15-01-2024	12 weeks	1	Civil
27	MEDHA INFRACON LLP	15-01-2024	12 weeks	1	Civil
28	RADHE GREENS	15-01-2024	12 weeks	1	Civil
29	JAY DEVELOPERS	15-01-2024	12 weeks	1	Civil
30	SHILP GROUP	15-01-2024	12 weeks	1	Civil
31	KHATRI AND ASSOCIATES	15-01-2024	12 weeks	1	Civil

32	PRIYATAM CONSTRUCTION	15-01-2024	12 weeks	1	Civil
33	SAIVILLA DREAMHOUSE PRIVATE LIMITED	15-01-2024	12 weeks	1	Civil
34	ASTHA CONSTRUCTION/DEVELOPERS	15-01-2024	12 weeks	1	Civil
35	M.S. NEW ARBUDA BUILDERS	15-01-2024	12 weeks	1	Civil
36	SHREE MARUTI DEVELOPERS	15-01-2024	12 weeks	1	Civil
37	SHILP GROUP	15-01-2024	12 weeks	1	Civil
38	NARODIYA BROTHER'S CONSTRUCTION	15-01-2024	12 weeks	1	Civil
39	VIVAAB REALTY	15-01-2024	12 weeks	1	Civil
40	RUDRA BUILDCON	15-01-2024	12 weeks	1	Civil
41	AADISH CONSTRUCTION	15-01-2024	12 weeks	1	Civil
42	PIONEER GROUP	15-01-2024	12 weeks	1	Civil
43	CHAVDA INFRA LIMITED	15-01-2024	12 weeks	1	Civil
44	NARODIYA BROTHER'S CONSTRUCTION	15-01-2024	12 weeks	1	Civil
45	SILICON DEVELOPERS	15-01-2024	12 weeks	1	Civil
46	SHREE BUNGALOWS	15-01-2024	12 weeks	1	Civil
47	GOC INFRASTRUCTURE PVT LTD	15-01-2024	12 weeks	1	Civil

48	DINESHCHANDRA R. AGARWAL INFRACON PVT. LTD.	15-01-2024	12 weeks	1	Civil
49	VISHWAKARMA YOJANA PHASE - XI	15-01-2024	12 weeks	1	Civil
50	SAMARPAN CONSULTANT	15-01-2024	12 weeks	1	Civil
51	GAJANAND CONSTRUCTION	15-01-2024	12 weeks	1	Civil
52	HARE KRISHNA	15-01-2024	12 weeks	1	Civil
53	SHASHWAT DREAMS	15-01-2024	12 weeks	1	Civil
54	JAY CONSTRUCTION CORPORATION	15-01-2024	12 weeks	1	Civil
55	SHRUTI MODI ARCHITECTS	15-01-2024	12 weeks	1	Civil
56	IRRIGATION & WATER RESOURCES DEPARTMENT, UP	15-01-2024	12 weeks	1	Civil
57	VIVAAN REALTY	15-01-2024	12 weeks	1	Civil
58	SAIVILLA DREAM HOUSE PRIVATE LIMITED.	15-01-2024	12 weeks	1	Civil
59	VISHWAKARMA YOJANA PHASE - XI	15-01-2024	12 weeks	1	Civil
60	MARUTI CONSULTANTS	15-01-2024	12 weeks	1	Civil
61	SILICON DEVELOPERS	15-01-2024	12 weeks	1	Civil
62	KAZMAIN-14, NR SUNRISE RESIDENCY, VISHALA JUHAPURA	15-01-2024	12 weeks	1	Civil
63	D B CHAUDHARY CONSTRUCTION COMPANY	15-01-2024	12 weeks	1	Civil

64	MARUTI DEVELOPERS	15-01-2024	12 weeks	1	Civil
65	GAJANAN CONSTRUCTION	15-01-2024	12 weeks	1	Civil
66	VISHWAKARMA YOJANA PHASE - XI	15-01-2024	12 weeks	1	Civil
67	JAY DEVELOPERS	15-01-2024	12 weeks	1	Civil
68	VISHWAKARMA YOJANA PHASE - XI	15-01-2024	12 weeks	1	Civil
69	VIRKRUPA CONSTRUCTION	15-01-2024	12 weeks	1	Civil
1	JASPURIYA BUILDCON	27-7-2023	2 Weeks	1	Civil
2	GPC INFRASTRUCTURE PVT. LTD	27-7-2023	2 Weeks	1	Civil
3	JKS TEMPLE ARCHITECT & CONTRACTOR	27-7-2023	2 Weeks	1	Civil
4	PWD (R&B)DEPARTMENT, KISHTWAR	27-7-2023	2 Weeks	1	Civil
5	VISHWAKARMA YOJANA PHASE - XI	27-7-2023	2 Weeks	1	Civil
6	VINAYAK LANDMARK	27-7-2023	2 Weeks	1	Civil
7	GUNGADHAR	27-7-2023	2 Weeks	1	Civil
8	D N CONSTRUCTION	27-7-2023	2 Weeks	1	Civil
9	HK INFRACON	27-7-2023	2 Weeks	1	Civil
10	G.P.C. INFRASTRUCTURE LTD.	27-7-2023	2 Weeks	1	Civil

11	GURUJI DEVELOPER	27-7-2023	2 Weeks	1	Civil
12	ASHISH BRIDGECON PVT LTD	27-7-2023	2 Weeks	1	Civil
13	GUJARAT METRO RAI CORPORATION LIMITED	27-7-2023	2 Weeks	1	Civil
14	SHREE SIDDHI GROUP	27-7-2023	2 Weeks	1	Civil
15	MAVAJAT HOSPITAL	27-7-2023	2 Weeks	1	Civil
16	INGRESS STRUCTURAL CONSULTANT	27-7-2023	2 Weeks	1	Civil
17	VISHWAKARMA YOJANA PHASE - XI	27-7-2023	2 Weeks	1	Civil
18	CHOTLIYA INFRACON LLP	27-7-2023	2 Weeks	1	Civil
19	NILKHANTH HEIGHTS	27-7-2023	2 Weeks	1	Civil
20	SHALIGRAM INFRA	27-7-2023	2 Weeks	1	Civil
21	PRAMUKH GREEN CONSTRUCTION	27-7-2023	2 Weeks	1	Civil
22	D N CONSTRUCTIONS PVT LTD	27-7-2023	2 Weeks	1	Civil
23	JAY INFRASTRUCTURE	27-7-2023	2 Weeks	1	Civil
24	SAI ICONIC	27-7-2023	2 Weeks	1	Civil
25	RIMAL CONSTRUCTION	27-7-2023	2 Weeks	1	Civil
26	MEDHA INFRACON LLP	27-7-2023	2 Weeks	1	Civil

27	SHASHWAT ELEGANCE	27-7-2023	2 Weeks	1	Civil
28	SHALIGRAM INFRA	27-7-2023	2 Weeks	1	Civil
29	SCOPE INFRASTRUCTURE PRIVATE LIMITED	27-7-2023	2 Weeks	1	Civil
30	VARDAYANI ENTERPRISE	27-7-2023	2 Weeks	1	Civil
31	AERIAL DELIVERY RESEARCH AND DEVELOPMENT ESTABLISHMENT	27-7-2023	2 Weeks	1	Civil
32	KP CONSULTANCY	27-7-2023	2 Weeks	1	Civil
33	SAI VILLA 6	27-7-2023	2 Weeks	1	Civil
34	MARUTI ENGINEER	27-7-2023	2 Weeks	1	Civil
35	ASTHA CONSTRUCTION	27-7-2023	2 Weeks	1	Civil
36	RAJGOR PROJECT PVT LTD	27-7-2023	2 Weeks	1	Civil
37	MARUTI INFRASTRUCTURE LIMITED	27-7-2023	2 Weeks	1	Civil
38	A.P. CONSTRUCTION	27-7-2023	2 Weeks	1	Civil
39	SHIVALAY GREENS	27-7-2023	2 Weeks	1	Civil
40	GPC INFRASTRUCTURE LTD	27-7-2023	2 Weeks	1	Civil
41	SHRI MANGALAM BUILDCON(I) PVT LTD.	27-7-2023	2 Weeks	1	Civil
42	MAVJAT MULTISPECIALITY HOSPITAL	27-7-2023	2 Weeks	1	Civil

43	INGRESS STRUCTURAL CONSULTANT	27-7-2023	2 Weeks	1	Civil
44	BHOOMI ONE COMPLEX	27-7-2023	2 Weeks	1	Civil
45	JAY DEVELOPERS, PALANPUR	27-7-2023	2 Weeks	1	Civil
46	DN CONSTRUCTION PVT LTD	27-7-2023	2 Weeks	1	Civil
47	JAY DEVELOPERS,PALANPUR	27-7-2023	2 Weeks	1	Civil
48	VARDAYANI ENTERPRISE	27-7-2023	2 Weeks	1	Civil
49	TIPL	27-7-2023	2 Weeks	1	Civil
50	SATYA CONSULTANCY	27-7-2023	2 Weeks	1	Civil
51	GURUJI DEVELOPER	27-7-2023	2 Weeks	1	Civil
52	DINESHCHANDRA R. AGRAWAL INFRACON PVT LTD	27-7-2023	2 Weeks	1	Civil
53	VISHWAKARMA YOJANA PHASE - XI	27-7-2023	2 Weeks	1	Civil
54	GPC INFRASTRUCTURE LTD.	27-7-2023	2 Weeks	1	Civil
55	RIDDHAM RAVJIBHAI MESARA	27-7-2023	2 Weeks	1	Civil
56	ANANDA SKY	27-7-2023	2 Weeks	1	Civil
57	ANANDA DEVELOPERS	27-7-2023	2 Weeks	1	Civil
58	JASPURIYA BUILD CON	27-7-2023	2 Weeks	1	Civil

59	MV ENGINEERS	27-7-2023	2 Weeks	1	Civil
60	MEVADA CONSULTANCY	27-7-2023	2 Weeks	1	Civil
61	MV ENGINEERS	27-7-2023	2 Weeks	1	Civil
62	VAISHNAV DEVI RESOURCES LIMITED	27-7-2023	2 Weeks	1	Civil
63	ADI INFRA, (URBAN VILLAGE), A PROJECT BY:- UNION GROUP- SURAT.	27-7-2023	2 Weeks	1	Civil
64	VISHWAKARMA YOJANA PHASE - XI	27-7-2023	2 Weeks	1	Civil
65	SANSKRUTI VILLA	27-7-2023	2 Weeks	1	Civil
66	GOLDEN GALAXY	27-7-2023	2 Weeks	1	Civil
67	BHATOL BROTHERS	27-7-2023	2 Weeks	1	Civil
68	SHREE ARBUDA CONSTRUCTION COMPANY	27-7-2023	2 Weeks	1	Civil
69	G.P.C INFRASTRUCTURE LTD.	27-7-2023	2 Weeks	1	Civil
70	SARJAN INFRATECH	27-7-2023	2 Weeks	1	Civil
71	VISHWAKARMA YOJANA PHASE - XI	27-7-2023	2 Weeks	1	Civil
72	GAJANAN CONSTRUCTION	27-7-2023	2 Weeks	1	Civil
73	VISHWAKARMA YOJANA PHASE - XI	27-7-2023	2 Weeks	1	Civil
74	RADHE GREENS	27-7-2023	2 Weeks	1	Civil

Sr No	Name of Industry	Date	Duration	No. of Student	Department
1	ACCUTECH AUTOMATION	20/06/2022	15 Days	6	Electrical
2	AMEE Electrical	20/06/2022	15 Days	3	Electrical
3	Ascent electrification	21/06/2022	15 Days	1	Electrical
4	Bosch Rexroth India Private Limited	20/06/2022	15 Days	2	Electrical
5	CAPTAIN PUMP PVT.LTD.	20/06/2022	15 Days	5	Electrical
6	Chamunda Pharma machinery private limited	20/06/2022	15 Days	1	Electrical
7	Deendayal port authority	20/06/2022	15 Days	1	Electrical
8	Duke Plasto Technique Private Limited.	20/06/2022	15 Days	2	Electrical
9	Dwarkadhish Refrigeration	15/06/2022	15 Days	1	Electrical
10	Geeta machine Tools Pvt. Ltd.	15/06/2022	15 Days	1	Electrical
11	KAMLA ELECTRICAL	20/06/2022	15 Days	2	Electrical
12	KHETANI ELECTRONICS	20/06/2022	15 Days	1	Electrical
13	Khodal Electricals	20/06/2022	15 Days	1	Electrical
14	kokila electrical	20/06/2022	15 Days	1	Electrical
15	LUMAX INDUSTRIES	20/06/2022	15 Days	1	Electrical
16	Maruti Electric, (kundan water pump)	20/06/2022	15 Days	1	Electrical
17	MAYUR TRANSFORMERS WORKS	17/06/2022	15 Days	1	Electrical
18	Nature industries, Mehsana	20/06/2022	15 Days	1	Electrical
19	Neptune industry	20/06/2022	15 Days	1	Electrical
20	Nuclear Power corporation of india limited (a government of India enterprises) Kakrapar Site.	23/06/2022	15 Days	1	Electrical
21	Oil and natural gas corporation Limited (ONGC), Mehsana	21/06/2022	15 Days	4	Electrical
22	Om shree sai electrical	20/06/2022	15 Days	1	Electrical
23	Omtech engineering	20/06/2022	15 Days	1	Electrical
24	Patel Transformer Co.	20/06/2022	15 Days	2	Electrical
25	Ratanpprabbha Motors	19/06/2022	15 Days	1	Electrical
26	Reliance pvt ltd.	20/06/2022	15 Days	1	Electrical
27	Vardhman pump and battery	20/06/2022	15 Days	1	Electrical
1	Internship at Harsha Abakus Solar Pvt. Ltd. 10 MW Solar	23-01-2023	3 Month	1	Electrical
2	Internship at Imagine Powertree Pvt Ltd	23-01-2023	3 Month	1	Electrical
3	Internship at Indian Switchgears and Consultants	23-01-2023	3 Month	1	Electrical
4	Internship at Oath Green Solar Pvt. LTD.	23-01-2023	3 Month	1	Electrical
5	Internship at PIXCELL E-MOBILITY Pvt. Ltd	23-01-2023	3 Month	1	Electrical

Sr No	Name of Industry	Date	Duration	No. of Student	Department
6	Internship at Reliance Pvt. Ltd. Silvasa	23-01-2023	3 Month	1	Electrical
7	Internship at J B electricals	23-01-2023	3 Month	1	Electrical
8	Internship at Nexus automation	23-01-2023	3 Month	2	Electrical
9	Internship at Nexus ElectroMach	23-01-2023	3 Month	1	Electrical
10	Internship at E logic automation	23-01-2023	3 Month	1	Electrical
11	Internship at SYPHON ENERGIES	23-01-2023	3 Month	1	Electrical
12	Internship at Electro Control Systems India Pvt. Ltd.	23-01-2023	3 Month	1	Electrical
13	Internship at Elite Tech Solutions	23-01-2023	3 Month	1	Electrical
14	Internship at GSPC PIPAVAV LTD.	23-01-2023	3 Month	1	Electrical
15	Internship at JOHNSON CABLES ELECTRICALS PVT.LTD	23-01-2023	3 Month	2	Electrical
16	Internship at Axetech Automation	23-01-2023	3 Month	1	Electrical
17	Internship at Blue Star Industries Corporation	23-01-2023	3 Month	1	Electrical
18	Internship at Kakrapar Atomic Power Station	23-01-2023	3 Month	1	Electrical
19	Internship at Sun Photovoltaic	23-01-2023	3 Month	1	Electrical
20	Internship at ACCUTECH AUTOMATION	23-01-2023	3 Month	1	Electrical
21	Internship at AMTECH ELECTRONICS (INDIA) LIMITED	23-01-2023	3 Month	2	Electrical
22	Internship at T-POWER (GUJ)TRANSFORMER	23-01-2023	3 Month	1	Electrical
23	Internship at UMA POWERTRONICS PVT. LTD.	23-01-2023	3 Month	1	Electrical
24	Internship at GELCO ELECTRONICS PVT LTD	23-01-2023	3 Month	1	Electrical
25	Internship at Themis Automation	23-01-2023	3 Month	1	Electrical
26	Internship at Swastik PVT LTD	23-01-2023	3 Month	1	Electrical
Sr No	Name of Industry	Date	Duration	No. of Student	Department
1	Adani Gas Ltd	15-01-2024	20-04-2024	2	Mechanical
2	Ambica Plastomech Llp	15-01-2024	20-04-2024	1	Mechanical

Sr No	Name of Industry	Date	Duration	No. of Student	Department
3	Ammann India Private Limited	15-01-2024	20-04-2024	4	Mechanical
4	Apollo Tyres Ltd	15-01-2024	20-04-2024	1	Mechanical
5	Aqua Engineering Limited	15-01-2024	20-04-2024	1	Mechanical
6	Atlas Industries	15-01-2024	20-04-2024	3	Mechanical
7	Build Infinite	15-01-2024	20-04-2024	1	Mechanical
8	Champion Profile	15-01-2024	20-04-2024	1	Mechanical
9	Engineering Cad/Cam Solution	15-01-2024	20-04-2024	2	Mechanical
10	Finetech Engineers	15-01-2024	20-04-2024	1	Mechanical
11	Hajee Ap Bava Ltd	15-01-2024	20-04-2024	1	Mechanical
12	Indo German Tool Room Ahmedabad	15-01-2024	20-04-2024	10	Mechanical
13	International Automobile Centre Of Excellence	15-01-2024	20-04-2024	2	Mechanical
14	Itile Llp	15-01-2024	20-04-2024	3	Mechanical
15	Jyoti Cnc Automation Limited	15-01-2024	20-04-2024	1	Mechanical
16	Karnavati Engineers	15-01-2024	20-04-2024	1	Mechanical
17	Khodiyar Cad Center Mehsana-2	15-01-2024	20-04-2024	2	Mechanical
18	Kingsley Eco Asia	15-01-2024	20-04-2024	1	Mechanical
19	Linde Engineering India Private Limited	15-01-2024	20-04-2024	1	Mechanical
20	Microtech	15-01-2024	20-04-2024	1	Mechanical
21	Nkp Pharma Pvt.Ltd.	15-01-2024	20-04-2024	1	Mechanical
22	Par Techno-Heat Private Limited	15-01-2024	20-04-2024	5	Mechanical
23	Pharmalab India Pvt.Ltd.	15-01-2024	20-04-2024	1	Mechanical
24	Powerbuild Pvt. Ltd	15-01-2024	20-04-2024	1	Mechanical
25	Shusa Mechatronics	15-01-2024	20-04-2024	1	Mechanical
26	Smit Medimed Private Limited (Smpl)	15-01-2024	20-04-2024	1	Mechanical
27	Tacklers Tachno Industries	15-01-2024	20-04-2024	1	Mechanical

Sr No	Name of Industry	Date	Duration	No. of Student	Department
28	Vimco Motors Pvt Ltd Mehsana Palavasna	15-01-2024	20-04-2024	1	Mechanical
29	Welspun India Limited	15-01-2024	20-04-2024	1	Mechanical
30	Western Railway Coach Repair/Maintenance Centre Kankariya	15-01-2024	20-04-2024	1	Mechanical
31	Zydus Life Sciences Ltd.	15-01-2024	20-04-2024	1	Mechanical
Sr No.	Name of Industry	Date	Duration	No. of Student	Department
1	Eastern Coalfield Limited, Coal India Limited	18/01/24	12 week	01	Mining Engg.
2	Surkha (North) Lignite Mine, Bhavnagar (GMDC)	18/01/24	12 week	01	Mining Engg.
3	D.K Trivedi and Sons Ambaji	18/01/24	12 week	04	Mining Engg.
1	Eastern Coalfield Limited, Coal India Limited	18/01/24	12 week	01	Mining Engg.

Summary:

Sr. No	Name Of Department	No. Company	No. Student
1	Civil Engineering Department	52	74
2	Electrical Engineering Department	26	29
3	Mechanical Engineering Department	31	55
4	Mining Engineering Department	3	06
Total :-		112	164

G. Industrial Visits

CIVIL ENGINEERING DEPARTMENT

Sr. No.	Name of Industry	Date of Visit/Course	Semester
1	Site visit at Mundra Port under project UDAAN	PHE/FMH / DRCS/DSS	VI
2	Visit to Semicon India 2023 Exhibition	BEE	I

MECHANICAL ENGINEERING DEPARTMENT

Sr. No.	Name of Industry	Date of Visit	Semester
1	Banas Dairy, Palanpur	05/10/2023	4,6
2	Ratnamani Techno cast PVT LTD	10/10/2023	4,6
3	Precision Mass Products Pvt. Ltd., Chhatral	25/04/2024	5,7

MINING ENGINEERING DEPARTMENT

Sr. No.	Name of Industry	Day	Semester
1	UltraTech Nathdwara Cement Limited	2	6
2	M. G. Science Institute	1	4

H.Faculty-Industry Interaction Details with Field

Sr. No	Department	Name of Faculty	Name of Industry	Purpose For Association
1	Civil	Dr. G. M. Savaliya	Sai Villa Dreamhouse Pvt. Ltd.	Placement, Industrial Visit, Student Training
2		Prof. H. U. Patel	Ranjit Buildcon Limited	Placement, Student Project Student Training, Industrial Visit
3		Prof. M. N. Prajapati	SAICAD CENTER PATAN	Student Project Work, Training, Consultancy
4		Prof. N. R. Kotiya	SPAN Infrastructure material testing lab	Student Project Work, Student Training
5		Prof. R. K. Rathod	Bagwan Construction	Other, Working Site Visit
6		Prof. Y. J. Chauhan	SID	Student Project Work, Student Training
7		Prof. S.G. Chauahn	Laser House , Vatva GIDC	Placement, Industrial Visit,
8	Electrical	Dr. Alpesh M. Patel	Mc Dermott Engineering Services Pvt. Ltd.	Knowledge sharing
9		Prof. M. G. Prajapati	Leaftronics	Industrial Visit
10		Prof. M. G. Prajapati	PGCIL- Mudetha	Industrial Visit
11	Mechanical	Dr. D. M. Patel , A.D.Patel	UltraTech Cement Limited	Placement
12		A.D.Patel	Agrocast Analytics Pvt. Ltd.	Placement
13		Dr. D. M. Patel	Zydus Hospira Oncology Pvt Ltd.	Placement
14		A.D.Patel	Ammann India Private Limited.	Placement
15		A.D.Patel	Exide Energy Private Limited	Placement

Sr. No	Department	Name of Faculty	Name of Industry	Purpose For Association
16		A.D.Patel	Coatch International Technique Pvt. Ltd.	Placement
17		A.D.Patel	GMM Pfaudler Ltd.	Placement
18	Mining	Prof. J. V. Modi	GMDC	Industrial Training, Visit and Placement
19		Prof. J. V. Modi	Ultratech Cement Limited	Industrial Training/Visit
20		Prof. Suraj Kumar	Central Coalfield Limited, Coal India Limited	Industrial Training
21		Prof. Suraj Kumar	D. K. Trivedi & Sons and Hindustan Marble, Amba Ji	Industrial Training, Visit

EXTRA-CURRICULAR ACTIVITES

EXTRA-CURRICULAR ACTIVITIES

A. National Day Celebration

15TH AUGUST 2023

India celebrated her 77th Independence Day on this August 15, 2023. Government Engineering College, Palanpur celebrated Independence Day of India with great enthusiasm and patriotic fervour. On the morning of August 15, 2023, our student-teachers conveyed their greetings to each other.

The programme commenced with all everyone singing together ‘Vande Mataram’ followed by Flag Hosting by Principal of the institute. The spirit of freedom and nationalism was well exhibited by the student-teachers of the institute through a spectrum of patriotic poems, speeches on freedom fighters and songs. A few of them spoke on the history and significance of the Independence Day and shed light on the special highlights of celebrations this year. The programme was followed by **Tree Plantation under “Panch Prakalp”**



26th JANUARY 2024

Government Engineering College Palanpur witnessed the celebration of the 73rd Republic Day on the 26th January, 2024. Students, Staff and Faculty members filled with a feeling of patriotism and dedication gathered in central garden of the institute. The celebration started with the hoisting of the National Flag by the Principal, Dr. K B Judal. He gave an insight on the various accomplishments achieved by college and motivated the students for bringing more laurels for the college through their accomplishments. The speech was followed by the National Anthem. The program ended with the message to create a great nation through collective efforts from all individual.

Total 30 students and 15 volunteers have participated with 33 faculty and staff members to success the event.



B. NSS Activities

List of the Events Conducted Under NSS Year 2023-24

Sr. No.	Name of Event	Date
1	Live Telecasting on “Launching of LVM3-M4/chandrayan-3 Mission”	14/07/2023
2	Special Lecture on “How to stop worry and start living”	15/07/2023
3	Tree Plantation	21/07/2023
4	Meri Mitti Mera Desh	15/08/2023
5	Akhand Bharat	14/08/2023
6	Discover the capabilities of Mind for sustain life	23/08/2023
7	Celebrating Successful landing of Chandrayan III in South Pole of the Moon	23/08/2023
8	Swachhta Hi seva Campaign at Parpada	01/10/2023
9	Viksit Bharat@2047	11/12/2023
10	National Voters Day Celebration	25/01/2024
11	Swavlambi Bharat Abhiyan	03/01/2024
12	Road Safety Seminar	06/02/2024
13	Blood Donation Camp	12/03/2024
14	Live Telecast of Prime Minister Narendra Modi's Inauguration of Semiconductor Projects	13/03/2024
15	NSS 7 days Camp at Parpada Village	25/03/2024
16	10th International Yoga Day,2024	21/06/2024

- **Live Telecasting on “Launching of LVM3-M4/chandrayan-3 Mission**

NSS unit of Government Engineering College, Palanpur organized a live telecast of the LVM3-M4/ Chandrayaan-3 Mission launch at the Electrical engineering department seminar hall on 14-07-2024, aiming to provide an educational and inspiring experience for the students. The event was designed to enhance the students' understanding of space missions and their significance in the field of science and technology.

- **Special Lecture on “How to stop worry and start living”**

A special lecture on the topic "How to Stop Worry and Start Living" was organized at Seminar Hall of Electrical Engineering Department at Government Engineering College, Palanpur on 15/07/2024. The event aimed to provide students with valuable insights and strategies to manage stress, anxiety, and worries effectively. The lecture was conducted by Prof. Manish G. Prajapati and attracted a large audience of students, faculty, and staff.

- **Meri Mitti Mera Desh**

ગવર્નમેન્ટ એન્જીનીયરીંગ કોલેજ,પાલનપુર ખાતે “મેરી માટી મેરા દેશ” ઝુંબેશ નાં સંદર્ભમાં આઝાદી કા અમૃત મહોત્સવ સ્મૃતિ સમાપન સમારોહ અન્વયે દેશ માટે સર્વોચ્ચ બલિદાન આપનારા તમામ બહાદુરો પ્રત્યે હૃદયપૂર્વક કૃતજ્ઞતા વ્યક્ત કરવા અને કાયમી શ્રદ્ધાંજલિ આપવા તારીખ ૮ ઓગસ્ટ થી ૧૫ ઓગસ્ટ દરમિયાન નીચે જણાવેલ સમયપત્રક અનુસાર વિવિધ કાર્યક્રમોની સંસ્થા ખાતે ઉજવાણી કરવામાં આવી હતી.

ક્રમ	તારીખ	કાર્યક્રમની વિગત
૧	૧૦-૦૮-૨૦૨૩	દેશ ભક્તિ ગીતોની ગાયન સ્પર્ધા
૨		આઝાદીનાં શહીદ વીરો વિશે વક્તૃત્વ સ્પર્ધા
૩	૧૧-૦૮-૨૦૨૩	સ્વતંત્રતા સંગ્રામ અંગે ચિત્ર સ્પર્ધા
૪		અઝાદી કા અમૃત મહોત્સવ અંગે લોગો મેકિંગ સ્પર્ધા
૫	૧૫-૦૮-૨૦૨૩	સંસ્થા ખાતે વૃક્ષરોપણ કાર્યક્રમ
૬		સ્વતંત્રતા દિવસ

ઉપર આયોજિત કાર્યક્રમોમાં કોલેજનાં વિદ્યાર્થીઓએ ઉત્સાહભરે ભાગ લીધો હતો અને વિજેતા વિદ્યાર્થીઓને આચાર્ય શ્રી કે.બી.ઝૂડાલ દ્વારા ઈનામ વિતરણ કરવામાં આવ્યું હતું તદ્દપરાંત પંચ પ્રકલ્પ કાર્યક્રમ હેઠળ દીવડા પ્રગટાવવાનું આયોજન કરવામાં આવેલ હતું.

- **Tree Plantation**

The tree plantation program was organized by NSS unit of Government Engineering College, Palanpur at its campus on 21-07-2024 as part of our commitment to environmental sustainability and creating a green and eco-friendly campus. The event aimed to raise awareness about the importance of trees in mitigating climate change, improving air quality, and preserving biodiversity. The program brought together students, faculty members, and staff to actively participate in this noble cause.

- **Akhand Bharat**

The seminar on "Akhand Bharat" was organized by GECPL NSS Unit at Government Engineering College, Palanpur on 14-08-2023. The seminar aimed to explore the concept of Akhand Bharat from historical, geopolitical, and cultural perspectives, fostering discussions and insights among students, faculty, and guest speakers.

- **Discover the capabilities of Mind for sustain life**

NSS unit of Government Engineering College, Palanpur organized one day workshop on “Discover the Capabilities of Mind for Sustain Life” at the Electrical engineering department seminar hall On 23-08-2024, aiming to provide an educational and inspiring experience for the students. The workshop aimed to explore the intricate connection between the human mind and the ability to lead a sustainable and fulfilling life. This report provides an overview of the event, including its objectives, key discussions, activities, and outcomes.

- **Celebrating Successful landing of Chandrayan III in South Pole of the Moon**

NSS unit of Government Engineering College, Palanpur organized a live telecast of the Celebrating Successful landing of Chandrayan-III in south pole of the Moon at the Electrical engineering department seminar hall on 23-08-2024, aiming to provide an educational and inspiring experience for the students. The event was designed to enhance the students' understanding of space missions and their significance in the field of science and technology.

- **Swachhta Hi seva Campaign at Parpada**

The Swachhata Abhiyan program was organized by NSS unit of Government Engineering College, Palanpur in association with Bureau of Communication, Area office, Palanpur and Gram panchayat Parpada village on 01-10-2024 as part of our commitment to environmental sustainability and creating a cleanliness awareness among villagers. The event inaugurated by Shri Haribhai

Chaudhary, Ex. Home Minister, India in the presence of villagers, media persons and all participants of swachhata Abhiyan. The event aimed to raise awareness about the importance of trees in mitigating climate change, improving air quality, and preserving biodiversity. The program brought together students, faculty members, and staff to actively participate in this noble cause.

- **Viksit Bharat@2047**

NSS (National Service Scheme) unit of Government Engineering College, Palanpur organized a live telecast of the Viksit Bharat@2047 event at the Electrical engineering department seminar hall. Viksit Bharat@2047 is the vision of the Government of India to make India a developed nation by 2047, the 100th year of its independence. The vision encompasses various aspects of development, including economic growth, social progress, environmental sustainability, and good governance.

- **National Voters Day Celebration**

Government Engineering College Palanpur NSS unit celebrated National Voters Day on 25th January 2024 with Namo Navmatdata Sammelan. In this program the students of the Institute actively participated and aware about the importance of responsible citizen vote for making India. Hon. PM Narendra Modi ji also aware about the youth capacity and importance for making bright India. This program is really helpful for understanding to new voters for the importance of their single vote. All New voters take the oath for voting for Indian democracy.

- **Swavlambi Bharat Abhiyan**

The Swachhata Abhiyan program was organized by NSS unit of Government Engineering College, Palanpur in association with Bureau of Communication, Area office, Palanpur and Gram panchayat Parpada village as part of our commitment to environmental sustainability and creating a cleanliness awareness among villagers. The event inaugurated by Shri Haribhai Chaudhary, Ex. Home Minister, India in the presence of villagers, media persons and all participants of swachhata Abhiyan. The event aimed to raise awareness about the importance of trees in mitigating climate change, improving air quality, and preserving biodiversity. The program brought together students, faculty members, and staff to actively participate in this noble cause.

- **Road Safety Seminar**

The Road Safety Seminar organized in our college was a crucial initiative aimed at raising awareness about road safety measures among students, faculty, and staff. With the increasing

number of road accidents and fatalities, it is imperative to educate individuals about responsible road behavior and preventive measures.

- **Blood Donation Camp**

On 12-03-2024, the Jeevan Voluntary Blood Centre collaborated with the National Service Scheme (NSS) Unit of Government Engineering College, Palanpur organized a blood donation camp at Mining Department. The primary objective of this event was to encourage students and faculty members to contribute to the noble cause of saving lives through voluntary blood donation.

- **Live Telecast of Prime Minister Narendra Modi's Inauguration of Semiconductor Projects**

On 13-03-2024, the National Service Scheme (NSS) Unit of Government Engineering College Palanpur organized a live telecast of the inauguration ceremony presided over by Prime Minister Narendra Modi. The event showcased the inauguration of an 'Outsourced Semiconductor Assembly and Test' (OSAT) facility in Sanand, Gujarat, along with two other semiconductor-related projects. This initiative aimed to bolster India's position as a significant player in the semiconductor industry.

- **NSS 7 days Camp at Parpada Village**

The NSS volunteers of Government Engineering College Palanpur successfully undertook the seven-day special NSS Camp starting 25th March, 2024 at Parpada village. Student volunteers were guided by programme officers Dr. C. G. Prajapati, P. K. Gajjar and B. D. Prajapati. Volunteers undertook activities like Tree Plantation, Blood Group Check-Up, Cooking, Booster Doze Vaccination, Ayurvedic Ukkalo, Medical Check-up Camp, Menstrual Hygiene Awareness Act, Andhshraddha Nivaran, Safai Abhiyaan, DDT Spreading, Seed Ball Plantation, Village and Farm Visit and Cultural Activities. Students demonstrated their ability to do selfless work for the community using their skill-sets and know-how of graphical communication. A week's stay in a village environment with basic facilities has sensitised students to the hardships faced by village folks and to the limited availability of resources in rural areas. During this camp, principal of primary school supported student volunteers and faculty whole heartedly.

- **10th International Yoga Day, 2024**

The 10th International Yoga Day was celebrated with great enthusiasm at Government Engineering College, Palanpur on 21-6-2024. The event aimed to promote the ancient practice of yoga among students and faculty, highlighting its physical, mental, and spiritual benefits.

Photo Gallery

**Government Engineering College,
Palanpur**



NSS Unit GECPL Organize Session on



ESTD : 2009
अभियानिकीज्ञानम् जनकधामम्

“अખંડ ભારતની સંકલ્પના”




વક્તા શ્રી : જથુભાઈ ચૌધરી, મહેસાણા નગર

Date : 14th August
Time : 11.30 AM to 12:30 PM

Place : Electrical Engineering Seminar Hall



Photo Gallery



GOVERNMENT ENGINEERING COLLEGE, PALANPUR





NSS Unit Facilitates to Watch Live
"Launch LVM3-M4 Chandrayan 3 Mission"



LVM3 - M4 / CHANDRAYAAN - 3 MISSION

JULY 14, FRIDAY 2023, AT 14.35 HOURS
LIVE FROM
SDSC SHAR, SRINARIKOTA



Venue : Electrical Seminar Hall (Link : <https://www.youtube.com/live/q2ueCg9bvvQ?feature=share>)



Photo Gallery

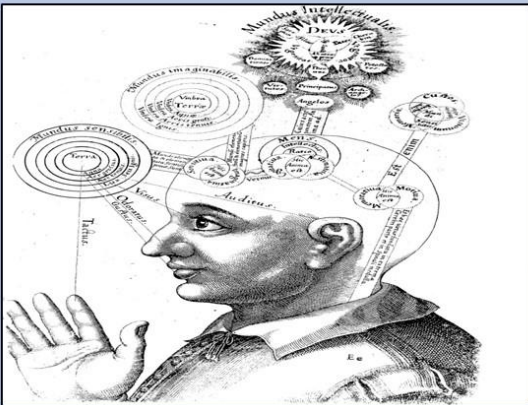


Government Engineering College, Palanpur



GECPL NSS Unit Organize one day Workshop on

"Discover the Capabilities of Mind for Sustain Life"



Event Details:

- **Venue:** Electrical Seminar Hall, Government Engineering College, Palanpur.
- **Date:** 23th August, 2023 (Wednesday)
- **Registration and Reporting Time:** 10:00 to 10:30 AM
- **Registration Fee:** Rs.30/- (Thirty Rupee Only)

Speaker : Prof. M. G. Prajapati, Electrical Engineering Department, GEC, Palanpur



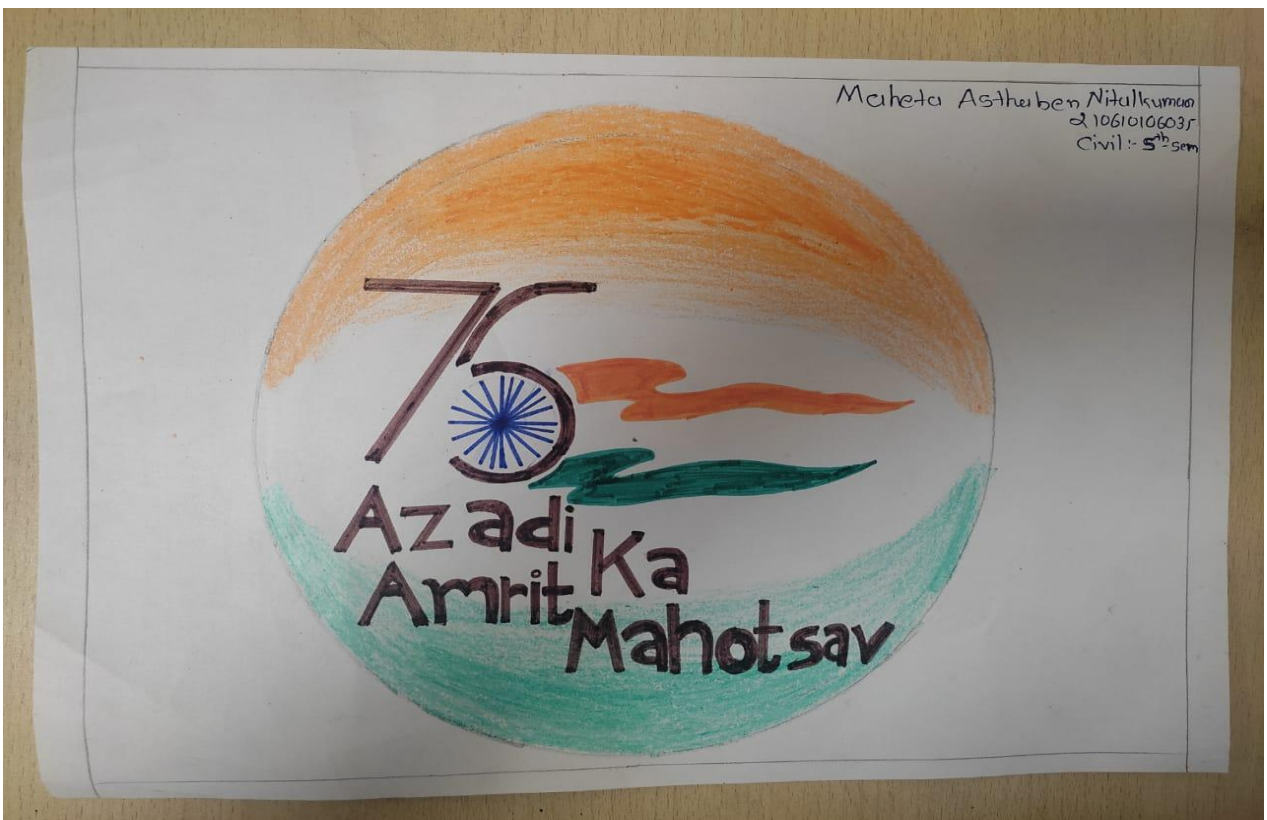
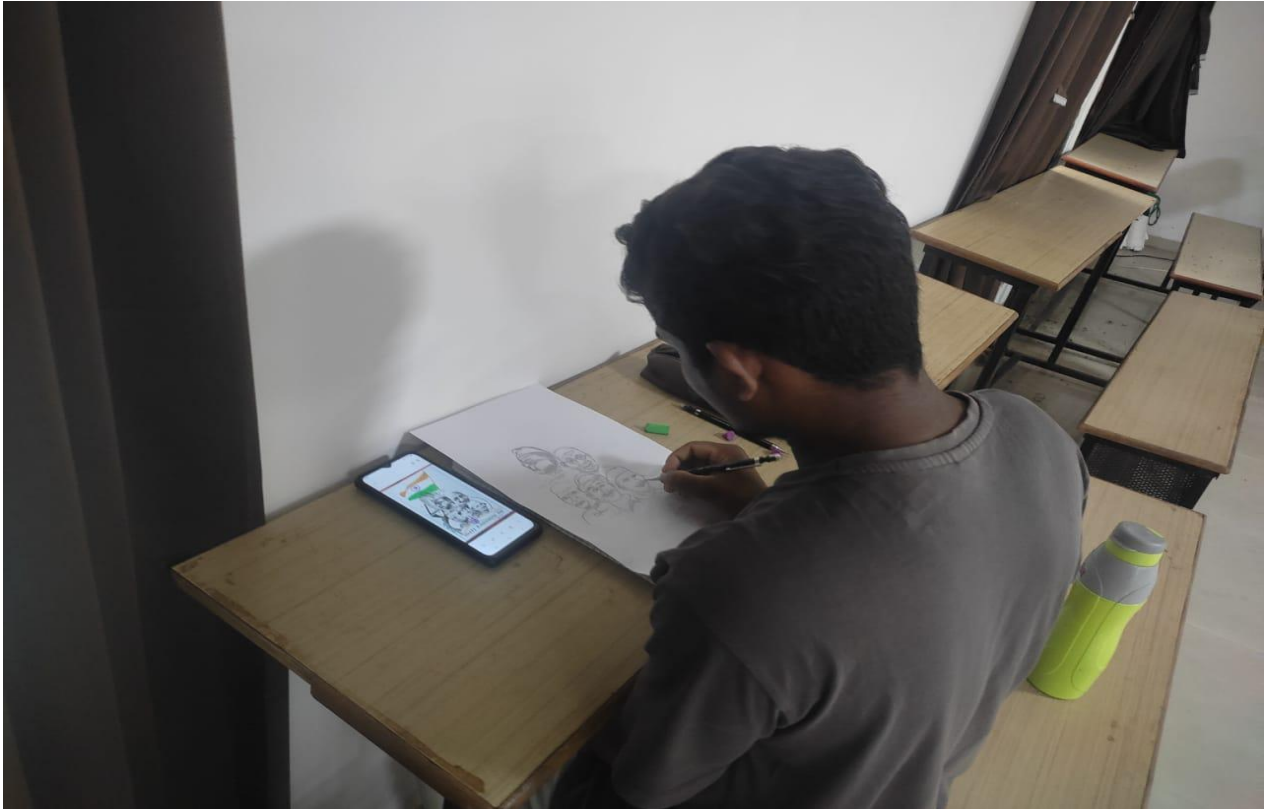


Photo Gallery



Photo Gallery





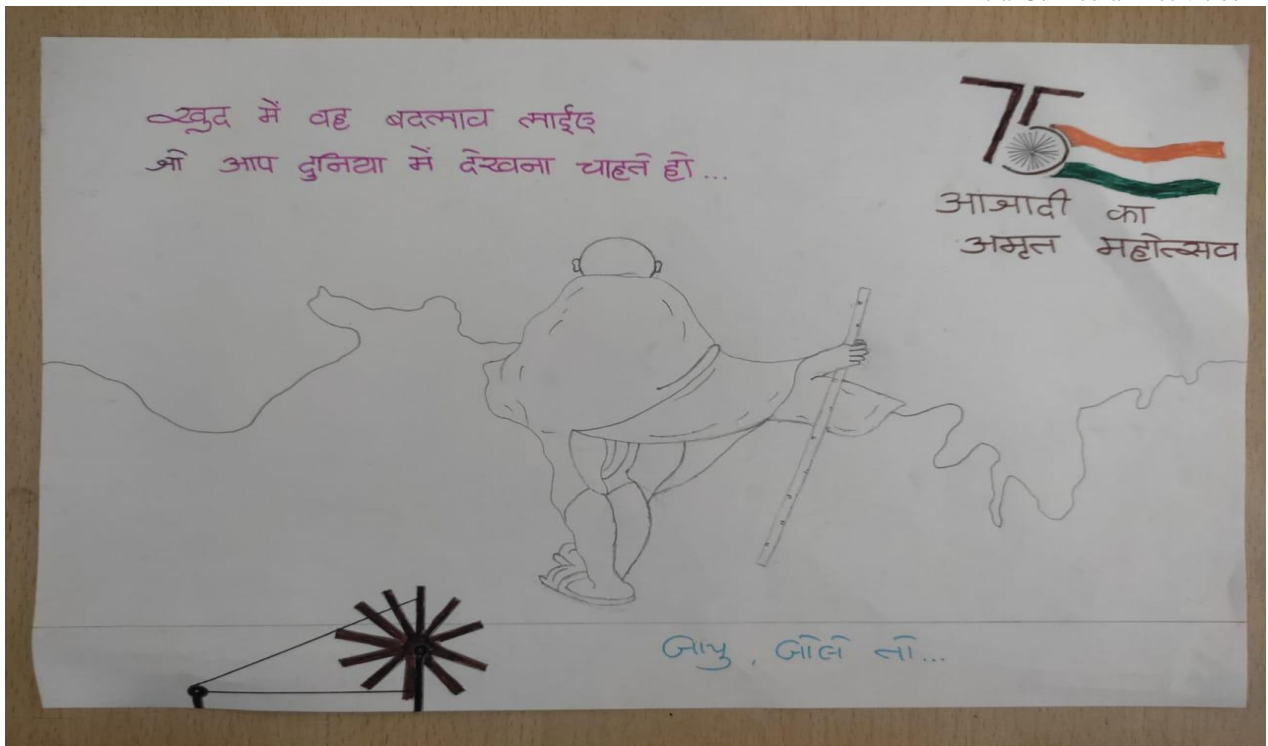







Photo Gallery




Photo Gallery

ESTD : 2009
अभियानिकीकरणम् जगत्कल्याणम्


NATIONAL SERVICE SCHEME



GOVERNMENT ENGINEERING COLLEGE, PALANPUR




SPECIAL CAMP – PARPADA VILLAGE, PALANPUR

- Medical Check up
- Blood Group Check
- Eye Check up
- Bakery Item Camp










CYBERSECURITY

Road safety





Date : 25th to 30th March



NATIONAL SERVICE SCHEME

GOVERNMENT ENGINEERING COLLEGE, PALANPUR

SPECIAL CAMP – PARPADA VILLAGE, PALANPUR

- પ્રભાત ફેરી
- નશામુક્તિ અભિયાન
- સ્વચ્છતા અભિયાન
- Medical Check up
- Blood Group Check
- Eye Check up
- Bakery Item Camp
- Cyber Security
- Road Safety Awareness



Date : 25th to 30th March



Government Engineering College Palanpur

NSS UNIT -2024

Date - 25/03/2024 to 30/03/2024



NSS activities



Photo Gallery



ESTD : 2009
अभियानिकीज्ञानम् जनकस्यस्यम्

Government Engineering College, Palanpur

योग शिबिर

सोमन योग प्रोटोकोल प्रशिक्षण

14th June to 21th June 2024

Time : 05:00 PM to 05:45 PM

Mining Seminar Hall



आंतराष्ट्रीय
योग
दिवस
21 JUNE 2024 10th IDY





ESTD : 2009
अभियान्त्रिकीज्ञानम् जनकस्थलम्

Government Engineering College Palanpur



GECPL NSS Unit & Gymkhana Jointly Organize



Scan QR Code to Register

- Water bag will be provided to all blood donor with Tea, Biscuit and certificate
- Bag will be provided to all Girls.

Date : 12/3/2024

Venue : Mining Seminar Hall





The live telecast organized by the NSS Unit of Government Engineering College Palanpur provided an invaluable opportunity for students and faculty members to witness the inauguration of semiconductor projects by Prime Minister Narendra Modi. This event not only showcased India's strides in semiconductor manufacturing but also inspired the audience to contribute towards the country's technological advancement and economic growth.

Photo Gallery



Photo Gallery



Government Engineering College Palanpur



**NSS Unit Organize Special Lecture
on**


How to Stop Worry and Start Living

Speaker
Prof. Manish G. Prajapati

**Date: 15/07/2023- Time: 11:00 AM Onwards
Venue : Electrical Seminar Hall**




Photo Gallery





ESTD : 2009
अभियन्ताधिकारम् जगद्विधातुम्

Government Engineering College, Palanpur

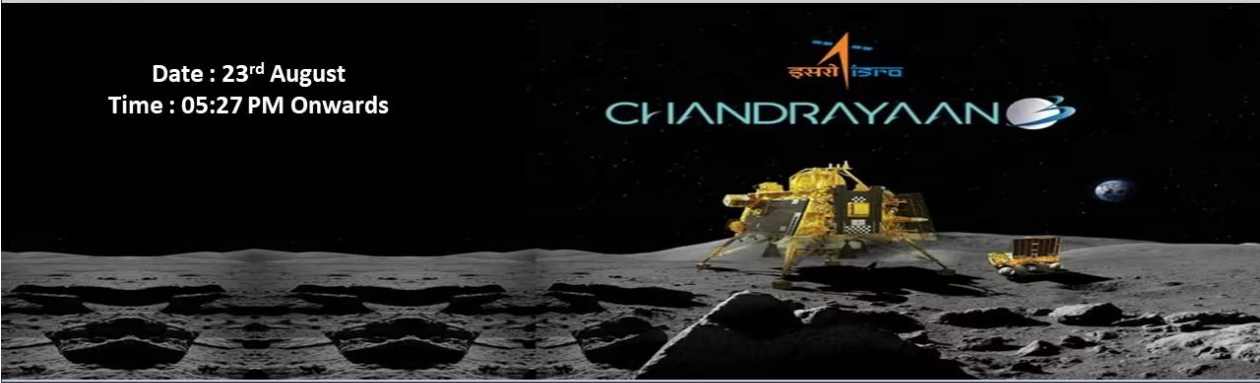


राष्ट्रीय सेवा योजना
NATIONAL SERVICE SCHEME

GECPL NSS Unit Facilitates to Watch Live “Chandrayan 3 Soft Landing”



Date : 23rd August
Time : 05:27 PM Onwards



Venue : Electrical Seminar Hall (Link :https://www.youtube.com/watch?v=DLA_64yz8Ss)



Photo Gallery



Photo Gallery





Government Engineering College Palanpur

GECPL NSS Unit & RTO Banaskantha Jointly Organize Program on

ગુજરાત રોડ સેફ્ટી ઓથોરીટી ગુજરાત રાજ્ય ગાંધીનગર
અને
જિલ્લા માર્ગ સલામતિ સમિતિ અંતર્ગત

રોડ સેફ્ટી સેમિનાર

સડક સુરક્ષા - જીવન રક્ષા  **TEAM**

TRAFFIC EDUCATION & AWARENESS MOBILE VAN







સડક સુરક્ષા - જીવન રક્ષા

સડક સુરક્ષા - જીવન રક્ષા

સડક સુરક્ષા - જીવન રક્ષા

Date : 6/2/2024

Venue : Mining Seminar Hall

Time : 11 AM Onwards

The Road Safety Seminar organized in our college was a crucial initiative aimed at raising awareness about road safety measures among students, faculty, and staff. With the increasing number of road accidents and fatalities, it is imperative to educate individuals about responsible road behavior and preventive measures.



STUDENT ACTIVITIES

STUDENT ACTIVITIES

A. Teachers' Day Celebration

Date: 05/09/2023

Venue: All Departments

Teacher's Day in India is celebrated on September 5th every year to honor and appreciate the contributions of teachers in shaping the future of students. This date marks the birth anniversary of Dr. Sarvepalli Radhakrishnan, a renowned scholar, philosopher, and the second President of India. The celebration of Teacher's Day began in 1962 when Dr. Radhakrishnan became the President, and his students and friends requested to celebrate his birthday. Dr. Radhakrishnan suggested that instead of celebrating his birthday, it would be a privilege if September 5th was observed as Teacher's Day.

Role Reversal: Senior students took on the roles of teachers, conducting classes and managing the school for the day. This gives them an insight into the responsibilities and challenges of teaching.

Awards and Recognition: Organized a small event at all the department seminar halls to collect verbal feedback by students on Teacher's Day and motivate them for their performance in the presence of HOD, departmental faculties and departmental students.



B. Navratri Mahotsav

Navaratri Celebration "Thanganat - 2023"

Date and Time: 13/10/2023 from 05:00 pm to 09:00 pm.

Venue: Open Space Before Electrical Department

Navaratri is a vibrant and diverse festival that reflects the cultural richness of India. It is a time of devotion, joy, and community bonding, celebrating the power of good over evil and honoring the divine feminine energy.

In the evening of 13/10/2023 GEC Palanpur celebrated THANGANAT-2023 a celebration of Navaratri garaba dance festival.

Events:

- Arati
- Garaba with live orchestra party.
- Snacks




C. PRAXES



Annual College Event Report

"Praxes 2k24," the annual event of Government Engineering College Palanpur, was held from 21/3/2024 and 22/3/2024. The spirit of creativity and leadership was reflected in events that the college fosters among the students. The event spanned two days and included a mix of academic, cultural, and sporting activities designed to engage and challenge participants.




GOVERNMENT ENGINEERING COLLEGE , PALANPUR

CONSTRUCTO
CIVIL

CODING
COMPETITION

POSTER
PRESENTATION

BORN TO FLY


praxes_2k24
gecpalanpur2009


ROBOTICS
ROBO RACE
ROBO WAR
ROBO SOCCER

PCB
MASTER

CADVENTURE
(2D,3D)

QUIZ

CULTURAL
NIGHT



PRAXES
2K24

RANGOLI
COMPETITION

SHORT FILM
(DOCUMENTRY)

STORY ON PIC

DEBATE

E-SPORT
(LAN GAMES)
(FREE FIRE)
(LUDD KING)

TREASURE HUNT

PHOTOGRAPHY

ART & CRAFT

DARTS
(TARGET)

COOKING

BEST OUT
OF WASTE

TELENT SHOW

LAZER MAZE

SOCIAL MEDIA
(REELS ON CLG)

DATE : 21ST & 22ND MARCH

STUDENTS COORDINATORS
Bharat Prajapati (6354639398)
Tirth Prajapati (9104376301)
Suresh Prajapati (9427302495)
Vijay Vagela (7859935621)
Anchal Jha (9662087744)
Astha Maheta (9106082153)

<https://praxes2k24.blogspot.com/>
<https://gecpalanpur.ac.in>

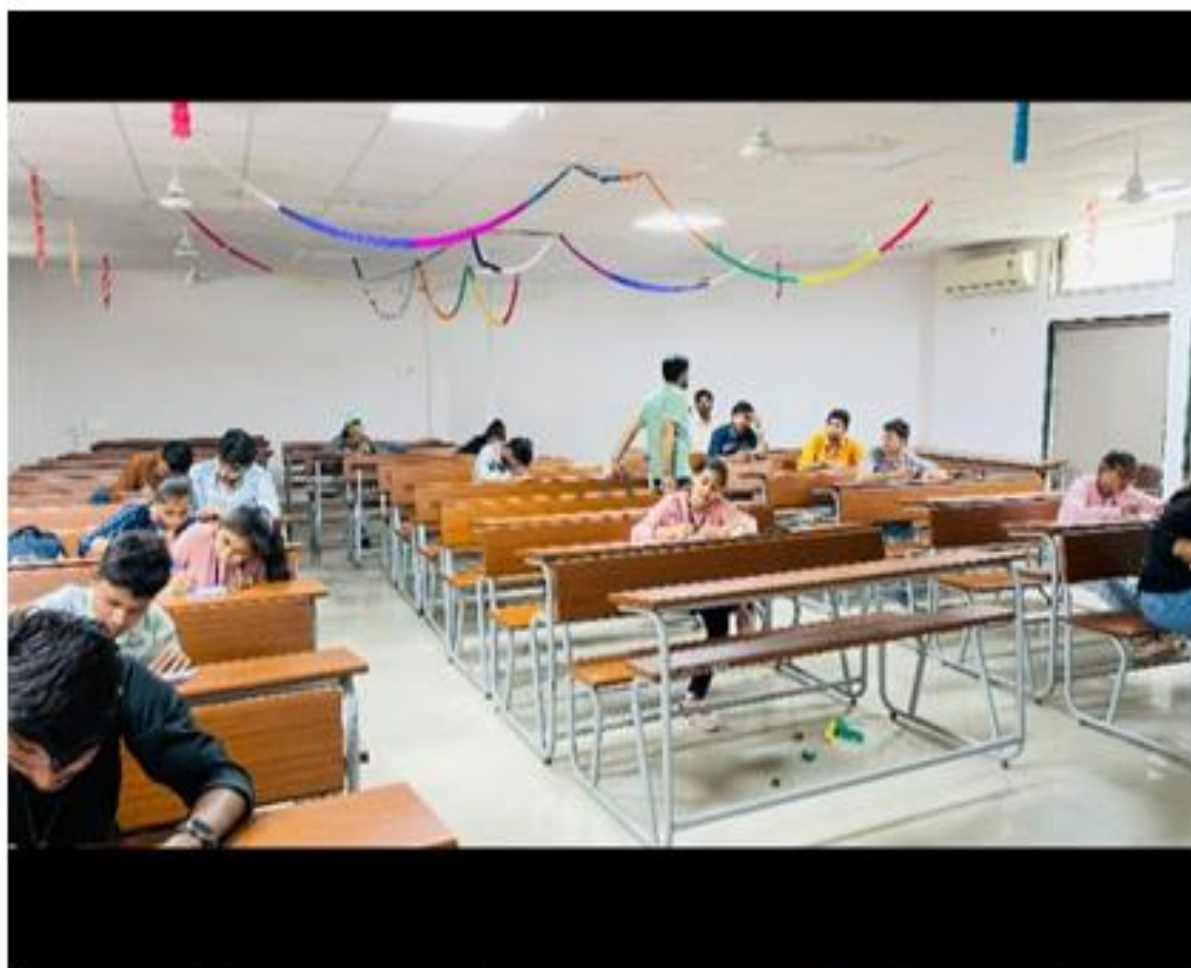
PATRON
Dr. K.B. Judal
(Principal)

FACULTY COORDINATORS
Dr. K.M. Korat
Prof. K.G. Prajapati
Prof. K.P. Modi
Prof. K.M. Gohel

Design By : Tirth Prajapati (9104376301)

Some memories of praxes 2k24



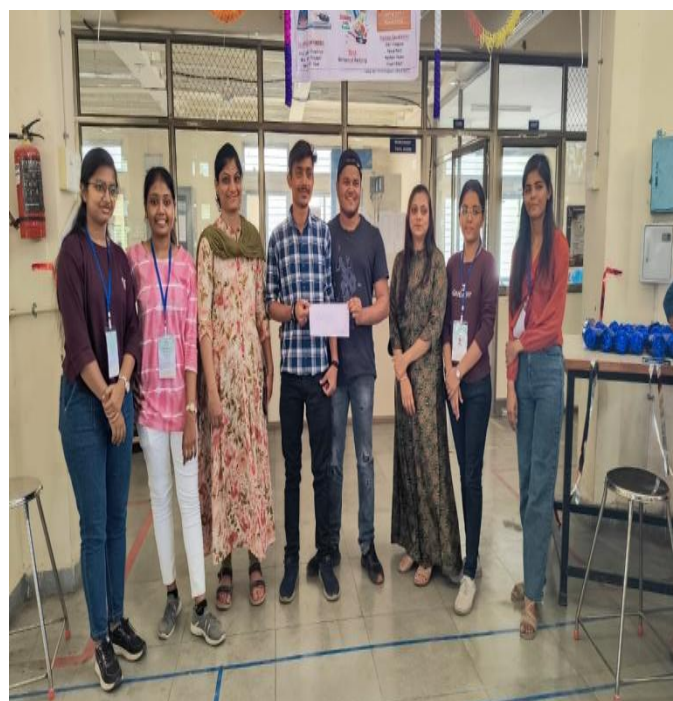














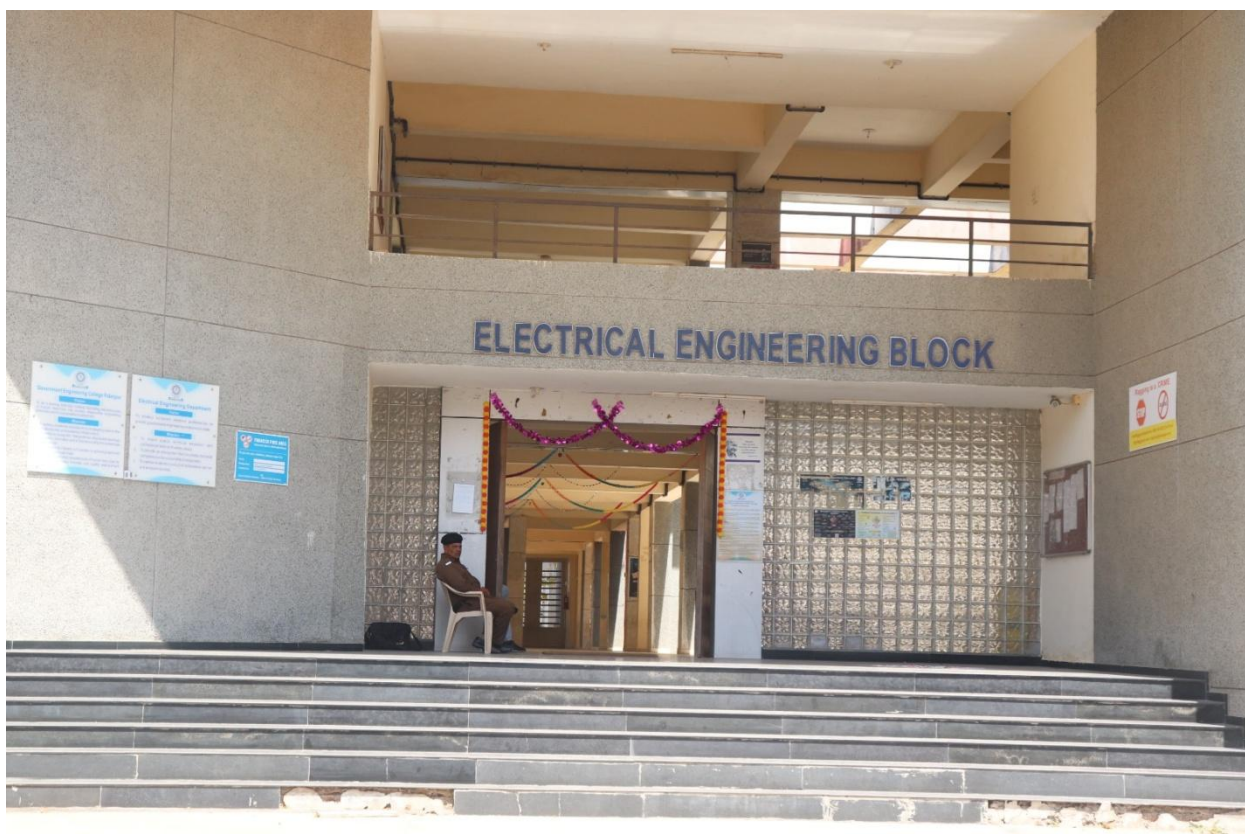












D. *Sport Week*

The Gymkhana Committee has organized and celebrated annual “Sports Week-2k24” during March 04-07, 2024. During these annual Sports Week celebration, various sports events such as Cricket, Volley ball, Table Tennis, Badminton, Chess, Carrom, Kabaddi, Kho-Kho, Shotput, Running Race, Tug of War etc. have been organized. Both boy and girl students have actively participated in various sports events and enjoyed. Also, the trophies and certificate to all the winners and runners up teams have been awarded. Along with the students, faculties have also participated in many sports events and maintain enthusiasm of the students.

































Documentary Film

A short DOCUMENTARY FILM on college was prepared and directed by following group of Students and Faculties.

Students Team:

Raj Patel
Meet Patel
Parth Patel
Priyank Jani
Chitra Joshi
Tanvi Patel
Reena
Ruchita
Hardik

Faculty Guide:

Dr. K. B. Judal
Dr. J. A. Vadher
Prof. N. A. Patel

Duration of documentary film: 6:04 min



ADMINISTRATIVE/ACADEMIC STAFF DEVELOPMENT

ADMINISTRATIVE/ACADEMIC STAFF DEVELOPMENT

CIVIL ENGINEERING DEPARTMENT

VISION

To create competent civil engineering professionals for sustainable growth of the society.

MISSION

1. To impart quality education by cultivating and mentoring students to excel in the civil engineering profession.
2. To enhance exposure to Civil Engineering Industries through site visits, trainings and consultancy.
3. To promote life-long learning, innovations and entrepreneurship for the sustainable development of society

PROGRAM EDUCATIONAL OBJECTIVES

1. To prepare students with strong foundation in mathematical, scientific and engineering fundamentals that will enable them to have successful carrier in core civil and interdisciplinary industries and entrepreneurship.
2. Civil engineering graduates will be able to apply leadership qualities with strong soft skills along with professional and ethical values.
3. Graduates will be lifelong learners and innovators for betterment of society.

A. Faculty/staff department wise & STR, Cadre ratio

S. No.	Name	Qualification	Area of Specialization	Designation	Date of Joining	Date on which Designated as Professor/ Asso. Prof.	Nature of Association (Regular/ Contract/ Adjunct)
1	Dr. G. M. SAVALIYA	M.Tech. (CASAD)	Structural Engineering	Assistant Professor	16-01-2016	-	Regular
2	H. U. PATEL	M.E. TRANSPORTATION	Transportation Engineering	Assistant Professor	01-07-2017	-	Regular
3	V. H. KHOKHANI	M.E. (WRM)	Water resource Engineering and Management	Assistant Professor	21-11-2020		Regular
4	S. G. CHAUHAN	M.Tech. (URBAN PLANNING)	Town Planning	Assistant Professor	01-07-2017	-	Regular
5	N. R. KOTIYA	M.E. (GEOTECH)	Geotechnical Engineering	Assistant Professor	11-07-2018	-	Regular
6	U. R. Patel	M.E. Structure	Structural Engineering	Assistant Professor	03-02-2022	-	Ad hoc
7	R. K. RATHOD	M.E. (WRM)	Water Resource Management	Assistant Professor	21-10-2014	-	Contract
8	M. N. PRAJAPATI	M.E. (STRUCTURES)	Structural Engineering	Assistant Professor	28-10-2016	-	Contract

No of the Available Faculty:

S. No.	Designation/Numbers	Number of Faculty in the Department for UG	
		CAY (2023-24)	CAYm1
1.	Professor	0	0
2.	Associate Professor	0	0
3.	Assistant Professor	8	8
4.	Number of Ph.D	1	1

Detail of Head of the Department for the program:

Name: Dr. G. M. Savaliya

Qualification: - P.H.D

Student Faculty Ratio :-

No. of UG Programs in the Department (n): 1

No. of Students in UG 2nd Year = u1

No. of Students in UG 3rd Year = u2

No. of Students in UG 4th Year = u3

No. of Students = Sanctioned Intake + Actual admitted lateral entry student

S = Number of Students in the Department = u1 + u2 + u3

F = Total Number of Faculty Members in the Department (excluding first year faculty)

Year	2023- 2024
u1	41
u2	77
u3	76
Total No. of Students in the Department (S)	194
No. of Faculty in the Department (F)	07
Student Faculty Ratio (SFR)	SFR1=27.71

Faculty Cadre Proportion:

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

F1: Number of Professors required = $1/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per Table A

F2: Number of Associate Professors required = $2/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per Table A

F3: Number of Assistant Professors required = $6/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per Table A

Year	Professors		Associate Professors		Assistant Professors	
	Required	Available	Required	Available	Required	Available
2023-2024	1	0	3	0	8	8

B. Program specific faculty competencies :

“Brief overview of faculty with potential skill and competencies, Specialization & Major area of work”.

Name of Department: Civil Engineering/Applied Mechanics

Faculty Contribution

Name of the Faculty	Designation	Qualifications, University & year of Passing			Area of Specialization	Date of joining	No. of Research publications	# of current R&D and consultancy projects and the amount	Award of any
		UG	PG	Docto					
Dr. G. M. SAVALIYA	Asst. Prof.	B.E. Civil (S.S.E. C, Bhavnagar) - 2006	M.Tech. CASAD (Nirma University) - 2009	Ph D. Civil (SVNIT) - 2020	Structural Engineering	18-05-2011	14	NIL	NIL
H. U. PATEL	Asst. Prof.	B.E. Civil (DDU Nadiad), 2011	M.E. Civil (GTU), 2013	NIL	Transportation Engineering	01/07/2017	NIL	NIL	NIL

Administrative/Academic Staff Development									
V H KHOKHANI	Asst. Prof.	BE GU 2009	ME GTU 2012	NIL	Water Resource Management	21/11/ 2020	05	NIL	NIL
S. G. CHAUHAN	Asst. Prof.	B.E. Civil (Gujarat Univers ity), 2010	M.Tech Urban Planning (SVNIT) - 2013	NIL	Urban Planning	01/07/ 2017	NIL	NIL	NIL
Y. J. CHAUHAN	Asst. Prof.	B.E., Civil Enginee ring, L. D. College of Engg., Ahmeda bad - 2011	M.E. CASAD, L. D. College of Engg.. Ahmeda bad - 2014	NIL	Structural Engineering	11- 07-18	NIL	NIL	NIL
N. R. KOTIYA	Asst. Prof.	B.E. Civil (DDUN adiad), 2010	M.E. Geotech, L. D. College of Engg.. Ahmeda bad - 2013	NIL	Geotechnical Engineering	11- 07-18	NIL	NIL	NIL

U. R. PATEL	Asst. Prof.	B.E. Civil (L E College Morbi), 2003	M.E. Structural Engineering (Darshan Institute of Engineering & Technology), 2021	nil	Structural Engineering, E	30-07-2008	01	NIL	NIL
R. K. RATHOD	Asst. Prof.	B.E., Civil Engineering, L. D. College of Engg., Ahmedabad - 2006	M.E. WRM L. D. College of Engg.. Ahmedabad - 2010	NIL	Water Resource Management	21-10-2014	NIL	NIL	NIL
M. N. PRAJAPATI	Asst. Prof.	B. E. Civil Engineering Gujarat Technological University, Ahmedabad, 2014	M. E. Structural Engineering Gujarat Technological University, Ahmedabad, 2016	NIL	Structural Engineering	28-10-2016	NIL	NIL	NIL

C. Faculty/staff training/seminar/conferences

Faculty name	Title of the training	Name of Institute/Organizer	From	To
Prof.G.M. Savaliya	NBA Accreditation and Teaching-Learning in Engineering (NATE)	MOOC	22-01-2024	12-04-2024
	Influence of Seismic, Geotechnical and Structural Aspects on Infrastructural Projects	ATAL FDP at GPERI MEHSANA	11-12-2023	16-12-2023
	MOOC - Design of Connections in Steel Structures	NPTEL	AUG 2023	SEPT 2023
Prof. H.U.Patel	NBA Accreditation and Teaching-Learning in Engineering (NATE)	MOOC	22-01-2024	12-04-2024
Prof. N.R.Kotiya	NBA Accreditation and Teaching-Learning in Engineering (NATE)	MOOC	22-01-2024	12-04-2024
	MOOC- Pavement Materials	NPTEL	JULY 2023	OCT 2023

D. Research : Publications IJ/J/C/IC, R&D etc.

Name of faculty	CAY (2023-24)				CAY (2022-23)				CAYm1 (2021-22)			
	IJ	J	IC	C	IJ	J	IC	C	IJ	J	IC	C
Dr. V. R. Sharma	-	-	-	-	-	-	-	-	1	-	-	-
Prof. G.M.Savaliya	-	-	-	-	-	-	-	-	-	-	-	-
Prof.Y J Chauhan	-	-	-	-	2	-	-	-	1	-	-	-
Sum	-	-	-	-	2	-	-	-	1	-	-	-
A.Y. Sum	-				2				2			

Summary

Academic Year	No. of papers in National conference	No. of papers in International Conferences	No. of papers in National Journal	No. of papers in International Journals	Total no. of Publications
2023-24	-	-	-	-	-
2022-23	-	-	-	2	2
2021-22	-	-	-	2	2
Total	-	-	-	4	4
Patents filed	-	-	-	-	-

E. Invited talks/lectures delivered

Sr. No.	Date / Year	Names of resource persons	Background industry / academic / R & D	Topics covered	No. of Beneficiaries
Invited Faculty					
1	11/09/2023	Mr . Akshay Magar (Technical support	Technical support Engineer	Workshop : Introductory and Demo Session on MIDAS Software Solutions in the domain	75
2	04-11-2023	Mukesh Patel and the Team	Sai Cad Patan	A Seminar on Career opportunities for Civil Engineers	67
3	09-10-2023	Sai Cad and Team	Sai Cad Patan	Workshop/Seminar on Stadd Pro, Revit, BIM, AutoCAD	45
4	09-08-2023	Hardik Nadoda	Ultratech Cement Ltd	Arranged Expert talk by Ultratech Cement Ltd	37

F. Research projects/COE/Labs/Training seminar organized

Seminars/Workshops/Conferences

Academic Year	Seminar	Workshops	Conferences	Total Nos. of Events Arranged
2023-2024	1	3	0	4
2022-2023	0	2	0	2
2021-2022	0	1	0	1

G. Faculty Quality Upgradation

Faculty Members deputed for specialized training / higher studies

Schemes	Number of faculty members deputed during last 3 years.		
	Year I (2023 – 2024)	Year II (2022 – 2023)	Year III (2021 – 2022)
QIP/Study leave	-	-	-
Seminars/workshops/Summer schools / winter schools	-	-	-
Training/Conferences	4	4	3

H. Faculty transfers/New appointments

Sr. No.	Department	Name of Faculty	Designation	Remarks
1	-	-	-	-

ELECTRICAL ENGINEERING DEPARTMENT

VISION

“To develop competent electrical professionals for providing sustainable engineering solutions to society”

MISSION

1. To impart quality technical education with professional skills and human values.
2. To provide an eco-system that inculcates technical competencies for sustainable development.
3. To mentor students in pursuit of professional carrier and entrepreneurship.

PROGRAM EDUCATIONAL OBJECTIVES

Graduates should be able:

1. To apply the principles and knowledge of electrical engineering for providing sustainable solutions to various service sectors.
2. To flourish their professional carrier individually as well as in a team.
3. To apply professional skills to be a successful entrepreneur.

A. Faculty/staff department wise & STR , Cadre ratio

Information of Faculty:

S. No.	Name	Qualification	Area of Specialization	Designation	Date of Joining	Date on which Designated as Professor/ Associate Professor	Nature of Association (Regular/Contract/ Adjunct)
1	BHAVESH R PATEL	M.E. Electrical	Electrical Power System	Assistant Professor	23-09-2016	-	Regular
2	ALPESH M PATEL	Ph.D Electrical	Power System & Renewable Energy	Assistant Professor	21-12-2013	-	Regular
3	HARSH N CHAUDHARI	M.E. Electrical	Electrical Power System	Assistant Professor	01-07-2015	-	Regular
4	HITESH V HIRVANIYA	M.Tech. Electrical	System & Control	Assistant Professor	23-08-2016	-	Regular
5	KIRTI G PRAJAPATI	M.E. Electrical	Electrical Power System	Assistant Professor	16-08-2016	-	Regular
6	MANISH G PRAJAPATI	M.E. Electrical	Industrial Electronics	Assistant Professor	30-08-2016	-	Regular
7	MANISH K PATEL	M.Tech. Electrical	Electrical Power System	Assistant Professor	16-05-2018	-	Regular
8	JUGNU H PATEL	M.E. Electrical	Electrical Power System	Assistant Professor	17-05-2018	-	Regular
9	RAJU B CHAUDHARY	M.E. Electrical	Electrical Power System	Assistant Professor	5-5-2018	-	Regular

No of the Available Faculty:

S. No.	Designation/Numbers	Number of Faculty in the Department for UG	
		CAY (2023-24)	CAYm1 (2022-23)
1.	Professor	0	0
2.	Associate Professor	0	0
3.	Assistant Professor	8	7
4.	Number of Ph.D	1	1

Detail of Head of the Department for the program:**Name:** Prof. Bhaveshkumar R. Patel**Qualification:** - M.E Electrical
Engineering**Student Faculty Ratio:-**

No. of UG Programs in the Department (n): 1

No. of Students in UG 2nd Year = **u1**No. of Students in UG 3rd Year =**u2**No. of Students in UG 4th Year =**u3****No. of Students = Sanctioned Intake + Actual admitted lateral entry student****S** = Number of Students in the Department = $u1 + u2 + u3$ **F** = Total Number of Faculty Members in the Department (excluding first year faculty)

Year	2023-2024
u1	40
u2	33
u3	29
Total No. of Students in the Department (S)	102
No. of Faculty in the Department (F) (Excluding First Year Faculty)	8
Student Faculty Ration (SFR)	SFR=12.75

Table: A

Faculty Cadre Proportion:**Faculty Cadre Proportion:**

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

F1: Number of Professors required = $1/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per Table A

F2: Number of Associate Professors required = $2/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per Table A

F3: Number of Assistant Professors required = $6/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per Table A

Year	Professors		Associate Professors		Assistant Professors	
	Required	Available	Required	Available	Required	Available
2023-2024	1	0	0	0	0	09

B. Program specific faculty competencies: --“Brief overview of faculty with potential skill and competencies, Specialization & Major area of work”

Name of Department: Electrical Engineering

Faculty Contribution:

Name of the Faculty	Designation (administrative position)	Qualifications, University & year of Passing			Area of Specialization	Date of joining the Department/ prog, Load Sharing with more than one	No. of Research publications in Journal and conferences since joining the department and	Total No. of Sub publications # of current R&D and consultancy projects and the amount	Award of any
		UG	PG	Doctorate					
Prof. B. R. Patel	Asst. Prof.	BE Electrical GEC Bhuj Gujarat University 1999	ME GEC Bhuj GTU 2017	-	Power System	06/04/2010	2	-	-
Prof. A. M. Patel	Asst. Prof.	BE. Electrical (Gujarat University); 2004	ME. Electrical (Gujarat University); 2010	Ph. D (IIT Roorkee), 2019	Power system Renewable	March 23, 2010	11	2 Lakh	---
Prof. H. N. Chaudhari	Asst. Prof.	B.Tech. Electrical (Nirma University), 2009	ME, Kadi Sarva Vishwavidhyalaya, 2018	NIL	Electrical Power System	19-04-11	1	0	0

Name of the Faculty	Designation (administrative position)	Qualifications, University & year of Passing			Area of Specialization	Date of joining the Department/ prog, Load Sharing with more than one	No. of Research publications in Journal and conferences since joining the department and Total No. of Sub publications	# of current R&D and consultancy projects and the amount	Award of any
		UG	PG	Doctorate					
Prof. H. V. Hirvaniya	Asst. Prof.	B.E (ELECTRICAL ENGINEERING), S.P.UNIVERSITY, 2008	M.TECH(ELECTRIC AL ENGINEERING), I.I.T.ROORKEE, 2011	NIL	SYSTEM & CONTROL	23-08-2016	0	0	0
Prof. K. G. Prajapati	Asst. Prof.	B.E, HNGU Patan	GTU, Ahmedabad	NIL	Electrical Engineering	16-08-16	NIL	NIL	NIL
Prof. M. G. Prajapati	Asst. Prof.	B.E, HNGU Patan	M.E, MSU Baroda	NIL	Industrial Electronics	30-08-16	0	0	Nil
Prof. M. K. Patel	Asst. Prof.	B.E., Electrical Engineering, Birla Vishwakarma Mahavidyalaya-2009	M.TECH, ELECTRICAL ENGINEERING I.I.T ROORKEE-2011	NIL	System & Control	16-05-18	2	NIL	NIL

Name of the Faculty	Designation (administrative position)	Qualifications, University & year of Passing			Area of Specialization	Date of joining the Department/ prog, Load Sharing with more than one	No. of Research publications in Journal and conferences since joining the department and	Total No. of Sub publications # of current R&D and consultancy projects and the amount	Award of any
		UG	PG	Doctorate					
Prof. J. H. Patel	Asst. Prof.	B.E., Electrical Engineering, Hemchandracharya North Gujarat University, Patan, 2009	Electrical Engineering, Gujarat Technological University, Ahmedabad	NIL	Power System Protection, Power System Operation and Control	17-05-18	NIL	NIL	NIL
Prof. R. B. Chaudhary	Asst. Prof.	B.E., Electrical Engineering, Gujarat Technological University, Ahmedabad 2012	M.E., Electrical Engineering, Gujarat Technological University, Ahmedabad, 2015	NIL	Electrical Power System	05-05-18	NIL	NIL	NIL

C. Faculty/staff training/seminar/conferences.

Sr. No.	Faculty	Training Title	Organizer	From	To	Remarks
1	Prof. R. B. Chaudhary	Climate change and disaster risk reduction: making sustainability a way of life	NITTTR, BHOPAL	7-8-2023	11-8-2023	
2	Dr. A. M. Patel	Train the trainer program -electric vehicle (ev 1.0)	CTE	18-3-2024	22-3-2024	

3	Dr. A. M. Patel	Industrial training	SIEMENS ENERGY INDUSTRIAL TURBOMACHINERY INDIA PRIVATE LIMITED	13-5-2024	27-5-2024	
4	Dr. A. M. Patel	Industrial training	SOTAC PHARMACEUTICALS LIMITED	17-6-2024	29-6-2024	

D. Research: Publications IJ/J/C/IC, R&D etc.

By Individual Faculty Member

Name of faculty	CAYm1 (2021-22)				CAY (2022-23)				CAY (2023-24)			
	J	IC	C	J	IC	C	J	IC	C	J	IC	C
Dr. Alpesh M. Patel												-
Sum												-
AY Sum	1				2				0			

Summary

Academic Year	No. of papers in National conference	No. of papers in International Conferences	No. of papers in National Journal	No. of papers in International Journals	Total no. of Publications
CAYm1 (2021-22)	-	-	-	1	1
CAY (2022-23)	-	-	-	2	2
CAY (2023-24)	-	-	-	0	0
Total	-	-	-	3	3

E. PATENT FILED

Year	Topic	Faculty
2023	An internet of things based Battery Life Estimation System for Electrical Vehicle.	Dr. Alpesh M. Patel

F. STUDENTS PLACEMENT

Sr. No.	Full Name	Company Name	Designation
1	Chauhan Mahammadjuned Iliyasbhai	Ammann India Private Limited	Graduate Engineer Trainee
2	Parth Kaushikkumar Miyawala	Ammann India Private Limited	Graduate Engineer Trainee
3	Ashish Yogeshbhai Panchal	Coatch International Technique Pvt. Ltd.	QC Engineer
4	Patel Smit Shankarbhai	Coatch International Technique Pvt. Ltd.	QC Engineer
5	Viramgami Priya Sudhirkumar	5th corner overseas	Production Engineer
6	Bhil Hitesh Shankarji	5th corner overseas	Production Engineer
7	Prajapati Mitulkumar Rameshbhai	Bhavani Tradelink	Sales Executive
8	Prajapati Vasantkumar Khemabhai	Exide Energy Private Limited	Graduate Engineer Trainee
9	Yadav Niranjana Kumar Ravindranath	Exide Energy Private Limited	Graduate Engineer Trainee
10	Gosai Vaibhavgiri Bhaveshgiri	Parle Elizabeth Tools Pvt. Ltd.	Trainee Engineer
11	Sathvara Vishalkumar Govindbhai	GMM Pfaudler Ltd.	Trainee Engineer
12	Kanzariya Vishal Nanajibhai	N. A. Roto Machines and Modules India	Draftman

G. Invited talks/lectures delivered.

Sr. No.	Date / Year	Names of resource persons	Back ground industry/academic /R&D	Topics covered	No. of Beneficiaries
Internal Faculty					
1	15/07/2023	Prof. M G Prajapati	Academic	How to Stop worry and Start Living	50
2	26/7/2023	Prof. M G Prajapati	Academic	Vedic Mathematics	67
3	23/8/2023	Prof. M G Prajapati	Academic	Discover the capabilities of mind for sustain life	54

H. Research projects/COE/Labs/Training seminar organized

Academic Year	Title of Research Project	Department	Sponsored by	Sanction amount	Name of Faculty and Role
2023-2024	Development of Optimal Grid-Independent Solar-powered Measured Irrigation System	Electrical	Education Department, <u>GoG</u>	20000/-	Dr. A. M. Patel (Principal Investigator) Prof. M.K. Patel (Co-investigator) Prof. H.N. Chaudhary (Co-investigator)

I. Faculty Quality Upgradation

Faculty Members deputed for specialized training / higher studies

Schemes	Number of faculty members deputed during last 3 years.			
	Year I (2021-2022)	Year II (2020-2021)	Year III (2019-2020)	Year III (2018-2019)
QIP/Study leave	-	-	-	-
Seminars/workshops/Summer schools / winter schools	-	-	-	-
Training/Conferences	-	-	-	-

J. Faculty transfers/New appointments

Sr. No.	Department	Name of Faculty	Designation	Transfer/New
1	-	-	-	-

MECHANICAL ENGINEERING DEPARTMENT

VISION

"To produce competent mechanical engineers to fulfil needs of society for sustainable development"

MISSION

- 1) To impart quality technical education in Mechanical Engineering with professional skills.
- 2) To develop linkages with industry for exposure about real life problems and its feasible solution.
- 3) To promote lifelong learning, Innovation and entrepreneurship for sustainable development
- 4) To assimilate social, cultural and ethical values for betterment of society.

PROGRAM EDUCATIONAL OBJECTIVES

- 1) Graduates will enter and successfully engage in careers in Mechanical Engineering and other professions appropriate to their background, interests, and skills.
- 2) Graduates will engage in continued learning through post-baccalaureate education and/or professional development in engineering or other professional fields.
- 3) Graduates will develop as leaders in their chosen professions.

A. Faculty/staff department wise &STR , Cadre ratio

S. No.	Name	Qualification	Area of Specialization	Designation	Date of Joining	Date on which Designated as Professor/ Associate Professor	Nature of Association (Regular/Contract/ Adjunct)
1	Prof. D M Patel	Ph.D.	Advance Manufacturing	Professor	18/05/22	18/05/22	Regular
2	Prof. A B Patel	ME-Mechanical	Heat Power	Assistant Professor	10/12/2013	-	Regular
3	Prof. V D Patel	ME-Mechanical	JP>P	Assistant Professor	16/06/2016	-	Regular
4	Prof.S.K.Dabhi	ME	SOLAR ENERGY, IC ENGINE, AUTOMOBILE	Assistant Professor		-	Regular
5	Prof. A D Patel	ME-Mechanical	Machine Design	Assistant Professor	21/04/2011	-	Regular
6	Prof. A R Chaudhari	ME-Mechanical	Machine Design	Assistant Professor	21/04/2011	-	Regular
7	Prof. P N Boka	M.Tech. Mechanical	Design Engineering	Assistant Professor	19/04/2011	-	Regular
8	Prof. A. K. Patel	M.Tech. Mechanical	Advanced Manufacturing Techniques	Assistant Professor	04/02/2012	-	Regular
9	Prof.G.S.Patel	ME/Mechanical	Production Engineering	Assistant Professor	02/11/2022	-	Regular
10	Prof.K.P.Modi	ME/Mechanical	Machine Design	Assistant Professor	01/11/2022	-	Regular
11	Prof.K.S.Banker	ME/Mechanical	Production Engineering	Assistant Professor	01/11/2022	-	Regular
12	Prof.P.K.Gajjar	ME/Mechanical	Welding Technology	Assistant Professor	01/11/2022	-	Regular
13	Prof.B.D.Prajapati	ME/Mechanical	CAD/CAM	Assistant Professor	18/08/2022	-	Regular

No of the Available Faculty:

S. No.	Designation/Numbers	Number of Faculty in the Department for UG	
		CAY (2023/24)	CAYm1 (2022/23)
1.	Professor	1	1
2.	Associate Professor	0	0
3.	Assistant Professor	12/13	7/13
4.	Number of Ph.D	4	1

Detail of Head of the Department for the program:

Name: Prof. D. M. Patel

Qualification: / Ph. D Mechanical Engineering

Student Faculty Ratio: /

No. of UG Programs in the Department (n): 1

No. of Students in UG 2nd Year = u1

No. of Students in UG 3rd Year = u2

No. of Students in UG 4th Year = u3

No. of Students = Sanctioned Intake + Actual admitted lateral entry student

S = Number of Students in the Department = u1 + u2 + u3

F = Total Number of Faculty Members in the Department (excluding first year faculty)

Year	2023/ 2024
u1	68
u2	68
u3	68
Total No. of Students in the Department (S)	204
No. of Faculty in the Department (F)	12
Student Faculty Ratio (SFR)	SFR1=19.83

Faculty Cadre Proportion:

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

F1: Number of Professors required = $1/9 \times$ Number of Faculty required to comply with 20:1

Student/Faculty ratio based on no. of students (N) as per Table A

F2: Number of Associate Professors required = $2/9 \times$ Number of Faculty required to comply with

20:1 Student/Faculty ratio based on no. of students (N) as per Table A

F3: Number of Assistant Professors required = $6/9 \times$ Number of Faculty required to comply with

20:1 Student/Faculty ratio based on no. of students (N) as per Table A

Year	Professors		Associate Professors		Assistant Professors	
	Required	Available	Required	Available	Required	Available
2023/2024	1	1	2	0	6	12

B. Program specific faculty competencies: --“Brief overview of faculty with potential skill and competencies, Specialization & Major area of work”

Faculty Contribution

Name of the Faculty	Designation (administrative position, if any)	Qualifications, University & year of Passing			Area of Specialization	Date of joining the Department/ program, Load Sharing with more than one program	No. of Research publications in Journal and conferences since joining the department and Total No. Of Sub publications	# of current R&D and consultancy projects and the amount	Award of any
		UG	PG	Doctorate					
Prof. D M Patel	Professor & Head	BE BVM 1997	M.Tech IIT, Kharapur 2006	Ph.D Ganp at University 2012	Advancing Manufacturing	18/05/22	95		
A.B. Patel	Asst. Prof.	BE NGU 1998	ME BITS, Mesra 2012	PUR	Heat Power	15/03/10	3		

Name of the Faculty	Designation (administrative position, if any)	Qualifications, University & year of Passing			Area of Specialization	Date of joining the Department/ program, Load Sharing with more than one program	No. of Research publications in Journal and conferences since joining the department and Total No. Of Sub publications	# of current R&D and consultancy projects and the amount	Award of any
		UG	PG	Doctorate					
V.D.Patel	Asst. Prof	B.EG U – 2000	M.E MSU – 2003	/	THERMAL	08/04/10	5		
S.K.Dabhi	ASST . PROF .	B.E. GU-2003	M.E. GU-2006	PUR	I/C ENG. AUTO MOBILE	21/08/20	10		
A. D. Patel	ASST . PROF .	B. E. GU/2003	M.E/SP U/2009	PUR	MAC HINE DESI GN	21/4/11	1		
A. R. Chaudhari	ASST . PROF .	B.E/ SPU/ 2005	M.E/SP U/2008	PUR	MAC HINE DESI GN	21/4/11	1		
P. N. Boka	ASST . PROF .	B.E. KSK V, KU/2008	M.Tech /IITB/2015	PUR	DESI GN ENGI NEER ING	25/09/08	3		
A.K. Patel	ASST . PROF .	B.E. HNG U 2002	M.Tech GANP AT UNI 2008	PUR	AMT	04/02/12	/		
G.S.Patel	ASST . PROF .	B.E. HNG U - 2002	M.E. MSU-2010	-	Produc tion Engine ering	02/11/22	1		
K.P.Modi	ASST . PROF .	B.Te ch GAN PAT UNI	M.E. G.T.U. 2013	PUR	Machi ne Design	01/11/22	2		

Name of the Faculty	Designation (administrative position, if any)	Qualifications, University & year of Passing			Area of Specialization	Date of joining the Department/ program, Load Sharing with more than one program	No. of Research publications in Journal and conferences since joining the department and Total No. Of Sub publications	# of current R&D and consultancy projects and the amount	Award of any
		UG	PG	Doctorate					
		2009							
K.S.Banker	ASST . PROF .	B. E. GU/2001	M.E MSU – 2011	PUR	Production Engineering	01/11/22	-		
P.K.Gajjar	ASST . PROF .	B.E. MSU - 2009	M.E. MSU- 2013	PUR	Welding Technology	01/11/22	3		
B.D.Prajapati	ASST . PROF .	B.E. HNGU 2004	M.E. G.T.U. 2013		CAD/ CAM	18/08/22	/		

c. Faculty/staff training/seminar/conferences

Sr. No.	Faculty	Training Title	Organizer	From	To	Remarks
1	Prof.K.S.Banker	Comprehensive Training On Cnc Programming &	NPTEL	17-07-2023	21-07-2023	
2	Dr. A.D.Patel	Design, Technology And Innovation	NPTEL (Mooc)	24-07-2023	15-09-2023	
3	Prof.B.D.Prajapati	Entrepreneurship	NPTEL	24-07-2023	13-10-2023	
4	Dr. P.N Boka	Introduction To Mechanical Vibration	NPTEL	24-07-2023	15-09-2023	
5	Prof.K.S.Banker	Aluminium Based Alloys And Metal Matrix	NPTEL	24-07-2023	13-10-2023	

6	Prof. G.S.Patel	Labview Software Programming	NITTTR	31-07-2023	04-08-2023	
7	Prof.B.D.Prajapati	Stress Management	NPTEL	01-08-2023	01-09-2023	
8	Dr.A.D.Patel	Patent Search For Engineers And Lawyers	NPTEL (Mooc)	08-08-2023	06-10-2023	
9	Dr.A.R.Chaudhary	Advanced Machining Processes	NPTEL	21-08-2023	13-10-2023	
10	Dr.A.K.Patel	Metallurgy For Engineers	NITTTR	16-10-2023	20-10-2023	
11	Prof.S.K.Dabhi	Research Paper And Research Proposal Writing	NITTTR	16-10-2023	20-10-2023	
12	Prof.B.D.Prajapati	Train The Trainer Program-Automotive System With	OTHER	30-10-2023	03-11-2023	
13	Dr.V.D.Patel	Tot Solar Pv Installers	OTHER	01-11-2023	07-11-2023	
14	Prof.A.B.Patel	Alternative Fuels	NITTTR	11-12-2023	15-12-2023	
15	Prof.K.S.Banker	Need Of Industry 4.0: Upskilling & Reskilling For	ATAL FDP, GEC Surat	18-12-2023	23-12-2023	
16	Prof.B.D.Prajapati	Computer Integrating Manufacturing	NPTEL	01-01-2024	24-04-2024	
17	Dr.K.P.Modi	Introduction To Abrasive Machining And Finishing	NPTEL	22-01-2024	15-03-2024	
18	Dr.A.R.Chaudhary	Oil Hydraulics And Pneumatics	OTHER	22-01-2024	15-03-2024	
19	Dr.A.R.Chaudhary	Train The Trainer Program-Electrical Vehicle-(Ev 1.0)	CTE	18-03-2024	22-03-2024	
20	Prof.B.D.Prajapati	Fundamentals Of Semiconductor Package Manufatrng And Test	OTHER	01-05-2024	01-06-2024	
21	Dr.A.K.Patel	Two-Week Industrial Training At "Siemens Energy Industrial	OTHER	13-05-2024	27-05-2024	
22	Prof. G.S.Patel	Industrial Training	CTE	10-06-2024	22-06-2024	
23	Dr.A.K.Patel	Two-Week Industrial Training At "Sotac Sotac Pharmaceuticals Limited"	OTHER	17-06-2024	29-06-2024	

24	Dr.D.M.Patel	FROM CONCEPT TO MANUSCRIPT: A DEEP DIVE INTO RESEARCH	CTE	24-06- 2024	29-06- 2024	
25	Dr.P.K.Gajjar	INDUSTRIAL TRAINING AT ATLAS TECHNOLOGIES PVT.	OTHER	24-06- 2024	07-07- 2024	

D. Research: Publications IJ/J/C/IC, R&D etc.

Name of faculty	CAY (2021/22)				CAY (2022/23)				CAY (2023/24)			
	IJ	J	IC	C	IJ	J	IC	C	IJ	J	IC	C
DMP	2	0	0	0	4	0	0	0	0	0	0	0
ABP	0	0	0	0	0	0	0	0	0	0	0	0
VDP	0	0	0	0	0	0	0	0	1	2	0	0
SKD	0	0	0	0	0	0	0	0	0	0	0	0
ADP	0	0	0	0	1	0	0	0	0	0	0	0
ARC	1	0	0	0	0	0	0	0	0	0	0	0
PNB	1	0	0	0	0	0	0	0	1	1	0	0
AKP	0	0	0	0	1	0	0	0	0	0	0	0
GSP	0	0	0	0	0	0	0	0	1	0	0	0
KPM	0	0	0	0	0	0	1	0	0	0	0	0
KSB	0	0	0	0	1	0	0	0	0	0	0	0
PKG	1	0	0	0	0	0	0	0	1	1	0	0
BDP	0	0	0	0	0	0	0	0	0	0	0	0
Sum	5	0	0	0	7	0	1	0	4	4	0	0
AY Sum	5				8				8			

PATENT PUBLISHED

Name of staff	Title	TYPE I	Month & Year of publication	
Dr. A.K.Patel	Universal Centrifugal Casting Machine		Granted on 18/03/2024	
Dr. P.N.Boka	Solar Distillation Device With Fins		Issue Date 09/02/2024	
Dr. P.N.Boka	Stepped Solar Distillation Device With Baffles		Issue Date 12/02/2024	
Dr. P.N.Boka	Stepped Corrugated Solar Still With Fins		Issue Date 22/02/2024	

Prof. A.D.Patel	Multicutter Groove Cutting Machine (Mgcm)		Granted on 04/01/2024	
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Summary

Academic Year	No. of papers in National conference	No. of papers in International Conferences	No. of papers in National Journal	No. of papers in International Journals	Total no. of Publications
CAY (2021/22)	0	0	0	5	5
CAY (2022/23)	0	0	1	6	7
CAY (2023/24)	0	0	4	4	8
Total	0	0	5	15	20
Patents filed	0/0	0/0	0/0	0/0	0/0

E. Invited talks/lectures delivered: Deptt. Wise

Sr. No.	Date / Year	Names of resource persons	Back ground industry/a academic /R&D	Topics covered	No. of Beneficiaries
Invited Faculty					
1	15-03-2024	Mr. V. D. Patel	Academic	Psychrometric - The Science of Moisture Air	27
2	21-08-2024	Mr. P.N. Boka	Academic	Entrepreneurship step toward 'Atmanirbhar Bharat'	111
4	03-02-2024	Mr. M. K. Patel	Academic	One day work shop on "Exploring Arduino and NodeMCU"	65
5	19-2-2024 to 01-03-2024	H. K. Traianinig	Industry	Finishing School	26
Invited Faculty					
1	26-09-2023	Mr. Padhiyar	Industry	One day work shop on "i-talk sensitization workshop"	114
2	15-09-2023	Mr. Mukesh Yogi	Industry	One-Day-Workshop-on-Solidworks	54

F. Research projects/COE/Labs/Training seminar organized

Seminars/Workshops/Conferences

Academic Year	Seminar	Workshops	Conferences	Total Nos. of Events Arranged
2023/2024	/	/	/	/
2022/2023	/	/	/	/
2021/2022	9	/	/	9

G. Faculty Quality Upgradation

Faculty Members deputed for specialized training / higher studies

Schemes	Number of faculty members deputed during last 3 years.		
	Year II (2023 – 2024)	Year II (2023 – 2022)	Year II (2021 – 2022)
QIP/Study leave	0	0	0
Seminars/workshops/Summer schools / winter schools	0	0	0
Training/Conferences	0	11	23

H. Faculty transfers/New appointments

Sr. No.	Department	Name of Faculty	Designation	Remarks
-	-	-	-	-

I. Consultancy Work

Sr. No.	Details	Amount
1	AICTE 2 nd Year UG Book “Materials Engineering” translated in Gujarati Language	73,886/-
2	NPTEL course Electrical Machines - I (108105155) translated in Gujarati language	34,125/-
3	Anand Mela Ride Inspection at Mitha Road, Tharad	16,000/-
4	Anand Mela Ride Inspection at Surmandir Road, Abu Highway, Palanpur	16,000/-
5	Anand Mela Ride Inspection at Brahmani Mata Temple Ground, Vadgam	16,000/-
6	Anand Mela Ride Inspection at Panjarapol Ground, Bhabhar Road, Diyodar	16,000/-
7	Anand Mela Ride Inspection at Rampura Road, Dhaniyana Chaukadi, Palanpur	16,000/-
8	Anand Mela Ride Inspection at Jasra, Lakhani	16,000/-
9	Anand Mela Ride Inspection at Surmandir Road, Abu Highway, Palanpur	16,000/-

J. Student Placement

Sr. No.	Full Name	Company Name	Designation
1	Pathan Sohil Khan Jahangir Khan	Ganesh Engineering Co.	Graduate Engineer Trainee
2	Patel Tirth Jayeshkumar	Gujarat Multi Gas Base Chemicals Ltd.	Graduate Engineer Trainee
3	Prajapati Vishalkumar Jayantibhai	Zydus Lifesciences	Graduate Engineer Trainee
4	Arvind Kumar Yadav	Clair Engineers Pvt. Ltd.	Graduate Engineer Trainee
5	Raj Prajapati	Irm Offshore And Marin Engineers Pvt. Ltd.	Graduate Engineer Trainee
6	Bhuriya Jigar Rajubhai	A V Steel Forging Pvt. Ltd	Graduate Engineer Trainee
7	Panchal Abhi Nileshkumar	Ammann India Private Limited	Graduate Engineer Trainee
8	Suthar Hitesh Karshanbhai	Power Build Pvt. Ltd.	Graduate Engineer Trainee
9	Patanwadiya Maulikkumar Satishbhai	Jyoti Cnc Automation Ltd.	Graduate Engineer Trainee
10	Tirth Sureshkumar Rana	Hindustan Gold Industries Pvt. Ltd.	Graduate Engineer Trainee
11	Patel Jitkumar Vishnubhai	Vtech Nxtgen Cars Private Limited	Graduate Engineer Trainee
12	Dipanshu Mewada	Baxter Pharmaceuticals India Private Limited	Graduate Engineer Trainee
13	Seliya Asfak Abdulqadir	M/S. Amar Equipment Pvt. Ltd., Mumbai	Graduate Engineer Trainee

MINING ENGINEERING DEPARTMENT

VISION

"To produce competent mining engineers for exploitation and safe management of earth resources"

MISSION

- 1) To impart quality technical education, to meet the needs of mining and mineral industry.
- 2) To inculcate the spirit of Sustainable Development and Conservation of natural resources through modern technology in Exploration and Production of minerals with due regard to Health, Safety and Environment.
- 3) To mentor students for Professional career and entrepreneurship.

PROGRAM EDUCATIONAL OBJECTIVES

- 1) Advance in their careers, adapting to new situations and emerging problems, through the application of engineering skills and the core technical disciplines, analytical procedures, and design practices of the mining engineering profession.
- 2) Effectively practice as professional engineers, managers, and leaders in the mining Industries and/or a wide variety of other fields as engineers.
- 3) Utilize professional skills such as effective communication, teamwork, and leadership.

A. Faculty/staff department wise & STR, Cadre ratio

S. No.	Name	Qualification	Area of Specialization	Designation	Date of Joining	Date on which Designated as Professor/ Associate Professor	Nature of Association (Regular/Contract/Adjunct)
1	Dr. Hitesh B Patel	Ph.D	Geology	Assistant Professor	29-06-1998	-	Regular
2	Mr. J.V. Modi	M.Tech	Rock Excavation Technology & Management	Assistant Professor	01-05-2018	-	Regular
3	Mr. Suraj Kumar	M.Tech	Mining Engineering	Assistant Professor	08-05-2018	-	Regular

No of the Available Faculty:

S. No.	Designation/Numbers	Number of Faculty in the Department for UG	
		CAY (2023-24)	CAYm1 (2022-23)
1	Professor	0	0
2	Associate Professor	0	0
3	Assistant Professor	2	3
4	Number of Ph.D	1	0

Detail of Head of the Department for the program:

Name: Dr. S.K.Singhal

Qualification: - Ph.D

Student Faculty Ratio:-

No. of UG Programs in the Department (n): 1

No. of Students in UG 2nd Year = u1

No. of Students in UG 3rd Year = u2

No. of Students in UG 4th Year = u3

No. of Students = Sanctioned Intake + Actual admitted lateral entry student

S = Number of Students in the Department = u1 + u2 + u3

F = Total Number of Faculty Members in the Department (excluding first year faculty)

Year	2023- 2024
u1	34
u2	34
u3	34
Total No. of Students in the Department (S)	102
No. of Faculty in the Department (F)	2
Student Faculty Ratio (SFR)	SFR1= 51

Faculty Cadre Proportion:

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

F1: Number of Professors required = $1/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per Table A

F2: Number of Associate Professors required = $2/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per Table A

F3: Number of Assistant Professors required = $6/9 \times$ Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per Table A

Year	Professors		Associate Professors		Assistant Professors	
	Required	Available	Required	Available	Required	Available
2023-2024	0	0	1	0	3	2

B. Program specific faculty competencies: “Brief overview of faculty with potential skill and competencies, Specialization & Major area of work”.

Name of the Faculty	Designation	Qualifications, University & year of Passing			Area of Specialization	Date of joining	N o. of R es ea rc h pu bli ca tio ns	# of curre nt R&D and consu ltancy proje cts and the amou nt	A w a r d o f a n y
		UG	PG	Doc tora te					
Dr. Hitesh B Patel	Asst Prof.	1994	1996	-	Geology	29-06-1998	-	-	-
Mr. J.V. Modi	Asst Prof.	2009	2014	-	Rock Excavation Technology & Management	01-05-2018	-	-	-
Mr. Suraj Kumar	Asst Prof.	2007	2009	-	Mining Engineering	08-05-2018	-	-	-

C. Faculty/staff training/seminar/conferences

Faculty Name	Title of the training	Venue	From	To
-	-	-	-	-

D. Research : Publications IJ/J/C/IC, R&D etc.

Name of faculty	CAY (2023-24)				CAYm1 (2022-23)				CAYm2 (2021-22)			
	IJ	J	IC	C	IJ	J	IC	C	IJ	J	IC	C
J.V.Modi	-	-	2	-	-	-	-	-	-	-	-	-
Suraj Kumar	-	-	-	-	-	-	-	-	-	-	-	-
Sum	-	-	2	-	-	-	-	-	-	-	-	-
A.Y. Sum												

Summary

Academic Year	No. of papers in National conference	No. of papers in International Conferences	No. of papers in National Journal	No. of papers in International Journals	Total no. of Publications
2023-2024	--	2	--	--	2
2022-2023	--	--	--	--	--
2021-2022	--	--	-	--	-
Total	--	2	-	--	-
Patents filed	--	--	--	--	--

E. Invited talks/lectures delivered

Sr. No.	Date / Year	Names of resource persons	Background industry / academic / R & D	Topics covered	No. of Beneficiaries
1	NIL				

F. Research projects/COE/Labs/Training seminar organized

Seminars/Workshops/Conferences

Academic Year	Seminar	Workshops	Conferences	Total Nos. of Events Arranged
2021-2022	Nil	Nil	Nil	Nil
2020-2021	Nil	Nil	Nil	Nil
2019-2020	Nil	Nil	Nil	Nil

G. Faculty Quality Upgradation

Faculty Members deputed for specialized training / higher studies

Schemes	Number of faculty members deputed during last 3 years.			
	Year I (2021 – 2022)	Year II (2020 – 2021)	Year III (2019 – 2020)	Year IV (2018 – 2019)
QIP/Study leave	0	0	0	0
Seminars/workshops/Summer schools / winter schools	0	0	0	0
Training/Conferences	0	0	2	0

H. Faculty transfers/New appointments

Sr. No.	Department	Name of Faculty	Designation	Remarks
Nil				

Student Placement

MINING ENGINEERING DEPARTMENT

Sr. No.	Full Name	Company Name	Designation
1	Rishabh Ketankumar Patel	ADDOCE	Trainee Engineer
2	Thakor Jay Maheshbhai	GMDC	Apprentice Trainee

I. Institute Work Distribution**No.: GECPL/Admin/2023-24/01****Date: 02/01/2023****Office Order :-****(With effect from Date: 02/01/2023)**

Following administrative/ managerial duties are assigned to corresponding officers/staff in addition to their regular job specific responsibilities for smooth functioning and overall development of the institute till further order. All are informed to maintain records with proof and present as and when required.

1	Head, Human Resource (Faculty&Staff):	Convener	Member
1	Administrative officer	Dr. C.G.Prajapati	B.D.Prajapati M.B.Chaudhary
2	Manpower Outsource related establishment work	Dr.C.G.Prajapati B.R.Patel	B.D.Prajapati M.B.Chaudhary
2	Institute Overload committee and workload calculation	Dr.F.J.Narsingani	
3	RTI / Legal Matters	N.R.Kotiya	M.N.Prajapati, K.P.Shah
4	Internal Complaint Committee (ICC)/Women Development Cell	R.H.Chaudhari	S.G.Chauhan N. K. Prajapati
5	CAS /API/Grievance Redressal	A.B.Patel	D.A. Patel
6	Faculty/Staff Training/Research Process/Compilation	Dr. A.M. Patel	S.K. Dabhi
7	Accounts Officer	Dr. K.M. Korot	J.G. Prajapati,G.M.Patel
2	Head, Student Affairs:	Convener	Members
1	Student Section, GTU Related Services & Examinations (GTU & Others)	D.A. Patel S.K. Dabhi	G.S.Patel, R.B.Chaudhary,N.R.Kotiya, S.L.Modi,R.H.Chaudhari, V.P.Patel, T.J.Rathi
2	Student Scholarships & Related matters	G.S.Patel	V.H. Khokhani, K.G.Prajapati
3	Gymkhana	Dr. A.M.Patel	G.S. Patel, V.H. Khokhani ,K.P.Modi
4	Alumni Association	J.H. Patel	K.S.Banker
5	NSS	Dr.G.M.Savaliya	Dr.C.G.Prajapati,F.J.Narsingani,R.B.Chaudhary
6	KCG related student activity like G3Q, GKS & Govt.Scheme	V.D.Patel	R.B.Chaudhary
7	NCC	Dr. K.M. Korot	P.K.Gajjar
8	Anti-Ragging Committee	R.H.Chaudhary	J.V. Modi
9	Student Welfare & Mentor international student CSR	V.H.Khokhani	S.G. Chauhan
10	Admission & Help Center	K.G.Prajapati	N.R. Kotiya,P. K.Gajjar
11	Student Performance/Result Analysis/Feedback	A.K. Patel	J.H. Patel, V.H. Khokhani,J.V.Modi
3	Head, Store & Purchase:	Convener	Members
1	Central Store (Insti.Purchase /vikaslaxi),Inst. Procurement policy. Write Off	B.R.Patel	A.R.Chaudhari,K.S.Banker,G.M.Patel ,T.J.Rathi

4	Head, Academics:	Convener	Members
1	First Year Coordination / IIPC	A.D.Patel	K.G.Prajapati, S.G.Chauhan, J.V.Modi
2	Institute Timetable Coordination	A.R.Chaudhari	J.H. Patel, R.K.Rathod J. V. Modi. R.H.Chaudhari
3	Event Report Preparation, CTE Meeting/VC Info. Follow-up/Compilation, Minutes of Meeting	V.D. Patel J.V. Modi	K.S.Banker, G.K.Chaudhary
4	AICTE /GTU Affiliation, AISHE/ NIRE/ APPRENTISHIP	H.V. Hirvaniya	J.H. Patel, P.K.Gajjar,M.N.Prajapati
5	IQAC (Proceeding, MoMs & Annual QA report),Institute NBA all related task, Academic /GTU Inspection. DTE monthly/annually inspection	Dr.S.K.Singhal Dr. A.M.Patel	A.B.Patel, Dr.C.G.Prajapati, N.R.Kotiya S.L.Modi
6	SSIP Cell, GTU IDP/UDP, Virtual Lab	V.D.Patel H.V. Hirvaniya	M.K.Patel R.K. Rathod
5	Head, Infrastructure & Maintenance:	Convener	Members
1	Civil Maintenance and Liaison with PWD	Dr.G.M.Savaliya	N. R. Kotiya
2	Housekeeping/Landscaping	H.U.Patel	R.B.Chaudhary
3	Electrical Maintenance and Liaison with R&B Elect.	K.G.Prajapati	M.K.Patel, J.H.Patel
4	Mechanical Maintenance (RO/AC/FE) and furniture items	A.R.Chaudhari, J.H.Patel	A.K.Patel,K.P.Modi
5	Computer/ Printer/Projector Network, Internet, CCTV, VC management and Maintenance issues	P.N.Boka	M.K.Patel M.J.Trivedi
6	Campus Security	Dr.K.M.Korot	H.N.Chaudhari,K.S.Banker
7	KYC Portal, Website management and updating, MIS	A.K.Patel	S.K.Dabhi M.J.Trivedi
6	Head, Industry & Outreach:	Convener	Members
1	Training and Placement Cell / Industry-Institute Interaction (I-I-I) Cell / MOU /CII/ Finishing School	A.D.Patel G.S.Patel	Dr.G.M.Savaliya, S.L. Modi R.B.Chaudhary,B.D.Prajapati
2	Institute Publishing Committee, Institute Brochure, E-Newsletter, Inst &Dept Brochure	A.B. Patel S.L.Modi	M.G. Prajapati, M.N. Prajapati Dr.F.J.Narsingani
3	AMIE/Profess. bodies/Student Chapters & Consultancy	M.K.Patel	A.K.Patel, S.G.Chauhan
4	RUSA/Skill Development/EBSB	S.K.Dabhi N.R.Kotiva	K.G.Prajapati, K.P.Modi R.B.Chaudhary
5	Language Lab/SCOPE	M.G.Prajapati	R.B.Chaudhary
6	Entrepreneurship Development Cell.	P.N.Boka	K.P.Modi
7	Design Lab	M.K.Patel	M.J.Trivedi
8	Media Coordinator/Branding	Dr.F.J.Narsingani	R.K. Rathod
7	Head, Amenities:	Convener	Members
1	Library	M.G.Prajapati V.H.Khokhani	R.K.Rathod
2	Hostel Rector / Medical Facility	As per effective	G.M.Patel
3	Hostel Warden (Boys)Block A	DTE Order	

4	Hostel Warden (Boys)Block B		
5	Hostel Warden (Girls)		
6	Canteen, Student Store and other student Amenities	V.H.Khokhani P.K.Gajjar	H.U.Patel M.N. Prajapati

Note: For portfolio specific roles & responsibility and related information refer TEIM for GECs (May-2018).

Responsibilities of concerned Convener/Member:

1. Prepare an annual action plan with clear objectives by following standard methodology considering NBA requirements as benchmark for overall development/smooth functioning of the institute.
2. Constitute appropriate committee/representatives if necessary to achieve/implement the goals/objectives/strategies mentioned in the annual action plan.
3. Collection of previous data/documents/proofs from Ex. Convener/Incharge if required and proceed further to achieve the target as planned in action plan.
4. Proactive initiative for reformation in allotted portfolio and quality recordkeeping for exhibits.
5. Motivate the team to accomplish the planned work as per annual action plan.
6. Coordination with committee/members/representatives to monitor progress/lagging /follow-up.
7. Disseminate portfolio specific information/best practices at appropriate places for branding.
8. Prepare annual summary report mentioning brief statistics of fulfillment of objectives/goals for allotted responsibilities. Also maintain portfolio specific records/proofs for the purpose of NBA/AICTE.
9. Submit the achievements/best practices to admin office/publishing committee for further processing.



(Dr. D.M.Patel)

Read: 1. AICTE Notification (Degree Engg.) F. No. 61-1/RIFD/7th CPC/2016-17 Dated: 01/03/2019
1. Technical Education Institution Manual [TEIM] for Govt. Engg. Colleges May 2018.

Office Order : -

(With effect from Date: 01/07/2023)

With respect to read references (1) & (2), following administrative duties are assigned to respective officers/staff in addition to their regular job specific responsibilities for smooth functioning and overall development of the institute till further order. All are informed to maintain records with proof and present as and when required.

1	Head, Human Resource (Faculty&Staff):	Dr. C.G. Prajapati	
		Convener	Member
1	Administrative officer (including RTI & Legal matters)	Dr.C.G.Praipati	
2	Internal Complaint Committee (ICC)/Women Development Cell	Dr.R.H.Chaudhari	U.R. Patel, V.P. Patel
3	CAS /API/Grievance Redressal	Dr. H.B. Patel	A.B. Patel, D.A. Patel
4	Faculty/Staff Training/Research Process/Compilation	Dr.A.M.Patel	S.L. Modi
5	Accounts Officer	Dr.K.M.Korot	G.M.Patel
2	Head, Student Affairs:	Dr. K. M. Korot	
		Convener	Members
1	Student Section, GTU related Services & Examination (GTU & Others)/ Anti-Ragging	D.A.Patel	S.K.Dabhi, R.B.Chaudhary N.R.Kotiya, S.L.Modi, Dr. R.H.Chaudhary
2	Student Scholarships & Related matters	G.S.Patel	K.G.Prajapati, V.H.Khokhani
3	Gymkhana	Dr. K.M. Korot	K.G.Prajapati, K.P.Modi, V.H.Khokhani
4	Alumni Association	Dr. A.M.Patel	J.H. Patel. K.S.Banker
S	NSS	Dr. C.G.Prajapati	B.D. Prajapati, S.G.Chauhan, P.K.Gatjar
6	NCC	P.K.Gaijar	R.B. Chaudhary
7	Admission & Help Center	K.G.Prajapati	N.R.Kotiya, G.S.Patel
8	Student Performance/Result Analysis/Feedback	A.K.Patel	M.K.Patel. S.G.Chauhan
3	Read, Store & Purchase:	B.R. Patel	
		Convener	Members
1	Central Store (Insti.Purchase /Vikaslaxi/New Items)/ ST/AMTS & Tendering for Outsourcing, Write Off	B.R.Patel	K.S.Banker
4	Head, Academics:	Dr. D.M. Patel	
		Convener	Members
	First Year Coordination / IIPC	A.D.Patel	H.V.Hirvaniya, S.G.Chauhan
2	Institute Timetable Coordination/workload calculation	Dr.S.O.Singhal	A.R.Chaudhary, J.H.Patel, R.K.Rathod, J.V.Modi
3	Event Report Preparation, CTE Meeting Follow-up/ Compilation, Minutes of Meeting	V.D.Patel Dr.F.J.Narsingani	J.V.Modi, G.K.Chaudhary
4	AICTE/GTU affiliation. AISHE/ NIRF/GSIRF	H.V. Hirvaniya	P.K.Gajjar, R.K.Ratlod

5	NBA Coordinator, Academic Inspection/MERITE IQAC (Proceeding, MoMs & Annual QA report)	Dr.D.M.Patel, Dr.S.O.Singhal	Dr.A.M.Patel, Dr.H.B.Patel Dr.C.G.Pra, Dr.G.M.Savaliya
6	SSIP Cell. GTU IDP/UDP. CIC3. Virtual Lab	V.D. Patel, H.V.Hirvaniya	M.K.Patel,R.K.Rathod
5	Head, Infrastructure & Maintenance:	Dr. G.M. Savaliya	
		Convener	Members
1	Civil Maintenance and Liaison with PWD	Dr.G.M.Savaliya	N.R.Kotiya
2	Housekeeping/Landscaping	H.U.Patel	R.B.Chaudhary, K.P.Modi
3	Electrical Maintenance and Liaison with R&B Elect.	B.R. Patel	I.H.Patel
4	Mechanical Maintenance (RO/AC/FE)	A.R.Chaudhari	K.S.Banker
5	Computer/Printer/Projector/Network/Internet/CCTV/Campus Wi-Fi, VC Management and other IT related repair/maintenance issues	P.N.Boka	M.K.Patel, M.I.Trivedi
6	Campus Security	H.N.Chaudhary	M.N.Prajapati
7	KYC Portal, Website Management and updating, MIS	A.K.Patel	M.G.Prajapati, M.I.Trivedi
6	Head, Industry & Outreach:	Dr. D.M. Patel	
		Convener	Members
1	Training and Placement Cell/ Industry-Institute-Interaction(I-I-I) Cell/MOU/CII/Apprentice(MAY)	Dr. D.M. Patel	A.D.Patel, H.V.Hirvaniya H.U.Patel, J.V. Modi
2	Institute Publishing Committee, Institute Brochure, E-Newsletter, Inst. & Dept. Brochure	A.B.Patel, Dr.F.J.Narsingani	M.N.Prajapati S.L.Modi
3	AMIE /Profess. Bodies/Student Chapter & Consultancy	A.D.Patel	A.K. Patel, U.R.Patel
4	RUSA and Other GOI Scheme & including all KCG guided initiatives of Government '	S.K.Dabhi N.R.Kotiya	R.B.Chaudhary B.D. Prajapati
5	GKS/Language Lab/Skill Development/Finishing School	M.G.Prajapati H.U.Patel	G.S.Patel, B.D. Prajapati
6	Entrepreneurship Development Cell/ Design Lab.	P.N.Boka M.K.Patel	K.P.Modi, M.J.Trivedi
7	Media Coordinator/Branding	Dr.F.J.Narsingani	R.K.Rathod, G.K.Chaudhary
7	Head, Amenities:	Dr. S.O. Singhal	
		Convener	Members
1	Library	M.G. Prajapati	V.H.Khokhani,M.N. Prajapati
2	Hostel Rector / Medical Facility	Dr.S.O.Singhal	G.M. Patel
3	Hostel Warden (Boys)	S.K.Dabhi J.V.Modi	J.G. Prajapati T.J. Rathi
4	Hostel Warden Girls)	Dr.R.H.Chaudhari	N.K. Prajapati
5	Canteen, Student Store and other mident Amenities	D.A. Patel	A.R.Chaudhary

Note: For portfolio specific roles & responsibility and related information refer TEIM for GECs (May-2018).

Responsibilities of concerned Convener/Member:

1. Prepare an annual action plan with clear objectives by following standard methodology considering NBA requirements as benchmark for overall development/smooth functioning of the institute.
2. Constitute appropriate committee/representatives if necessary to achieve/implement the goals/objectives/strategies mentioned in the annual action plan.
3. Collection of previous data/documents/proofs from Ex. Convener/Incharge if required and proceed further to achieve the target as planned in action plan.
4. Proactive initiative for reformation in allotted portfolio and quality recordkeeping for exhibits.
5. Motivate the team to accomplish the planned work as per annual action plan.
6. Coordination with committee/members/representatives to monitor progress/lagging /follow-up.
7. Disseminate portfolio specific information/best practices at appropriate places for branding.
8. Prepare annual summary report mentioning brief statistics of fulfillment of objectives/goals for allotted responsibilities. Also maintain portfolio specific records/proofs for the purpose of NBA/AICTE.
9. Submit the achievements/best practices to admin office/publishing committee for further processing.

(Dr. K. B. Judal)

J. New Student Related Policies Frame

- The Q-Fix Online Fee management system is now up and running, allowing students to conveniently pay various fees such as institute fees, hostel fees, examination fees, and any applicable fines. Additionally, students can apply for necessary certificates and formats, such as Bonafide Certificates, Mark Sheet Collection, and I-Cards, through both online and offline channels.

K. Institutional Committees

NO:GECPL/ADM /2023/385

DATE:24-4-2023

Anti Ragging Committee

References:

1. AICTE notification No. 37-3/ Legal/ AICTE/ 2009 dated 01.07.2009 Regulations for prevention and prohibition of ragging.
2. UGC Circular F.1-16/2007(CPP-III) dated 17-06-2007 regarding regulations on curbing the menace of ragging.
3. GTU/Academic/Anti Ragging/2013/7096 dated 22-07-2013.

With above references, the institute hereby nominate following members as a part of Anti Ragging Committee. This committee will have a term of two years.

Sr. No.	Name of Committee Member	Designation	Position in Committee
1.	Dr.D.M.Patel	Principal	Chairperson
2.	Dr. A.M. Patel	Asstt. Professor	Convener
3.	Prof. J. V. Modi	Asstt. Professor	Member (Faculty representative)
4.	Prof. V.H.Khokhani	Asstt. Professor	Member (Faculty representative)
5.	Smt. Laxmiben Karen	Member of District Panchayat Banaskantha	Member (Representative Civil)
6.	Mr. Narendra D. Patel	PSI-DSP Office Palanpur	Member (Representative Police)
7.	Mr. Hasmukh Bhai	News Reporter-ETv	Member (Representative Media)
8.	Mr. Puravbhai Modi	Member, Indian Tiger Group	Member (Representative NGO)
9.	Mr. Nayanbhai P. Joshi	Service, PGVCL	Member (Parent)
10.	Dharmik Desai	Student-Electrical	Student Member
11.	Yagnik Trivedi	Student-Civil	Student Member
12.	Shreyansh M.Jaiswal	Student-Mechanical	Student Member

The Committee ensures compliance with the provisions of the Regulations as well as the provisions of any law for the time being in force concerning ragging.



(Dr. D.M.Patel)

Anti Ragging Squad


As per All India Council for Technical Education notified Regulation for prevention and prohibition of ragging in AICTE approved Technical Institutions vide No. 37-3/ Legal/ AICTE/ 2009 dated 01.07.2009.

The institute hereby nominate following members as a part of Anti-Ragging Squad till further order. They have to remain mobile, alert and active at all times to prevent ragging in academic and hostel campus as per the referred AICTE Notification.

Sr. No.	Name of Committee Member	Designation
1.	Prof.S. O.Singhal	Associate Professor
2.	Prof.A.B.Patel	Assistant Professor
3.	Prof.G.M.Savaliya	Assistant Professor
4.	Prof. B. R. Patel	Assistant Professor
5.	Prof. S.K.Dabhi	Assistant Professor (Warden-Boys Hostel)
6.	Prof. J.V.Modi	Assistant Professor (Warden-Boys Hostel)
7.	Mr. G. M. Patel	Store Keeper
8.	Mr. J. G. Prajapati	Jr. Clerk

- The Squad makes surprise raids on hostels, and other places vulnerable to incidents and having the potential for ragging and shall be empowered to inspect such places.

It shall also be the duty of the Anti-Ragging Squad to conduct an on-the-spot enquiry into any incidents of ragging referred to it by any responsible stakeholder, as the case may be; and the enquiry report along with recommendations shall be submitted to the Anti-Ragging Committee for action.



(Dr.D.M.Patel)

Student Grievance Redressal Committee

As per All India Council for Technical Education (Establishment of Mechanism for Grievance Redressal) Regulations, 2012, F. No. 37-3/ Lega112012, dated 25.05.2012.

In order to provide a mechanism to innocent students for redressal of their grievances and to make all efforts to ensure transparency in all the activities at different stages, the institute hereby nominate following members as part of Grievance Redressal Committee till further order.

Sr. No.	Name of Committee Member	Designation	Position in Committee
1.	Dr. D.M.Patel	Principal	Chairman
2.	Dr.G.M.Savaliya	HOD-Civil	Member
3.	Prof. A.B.Patel	HOD-Mechanical	Member
4.	Prof. B. R. Patel	HOD-Electrical	Member
5	Prof.S.O.Singhal	HOD-Mining	Member
6	Mr.K.R.Ranavasiya	Office Superintendent	Member
7	Prof. D. A. Patel	Assistant Professor	Convener
8	Nilesh Prajapati	Student (B.E. Civil)	Student member

This committee will deal with all the Grievances directly which is related to the common problems at Institute level both Academic and Administrative. In addition, this committee will also entertain the appeal filed by the student against the decision of the Department level committee.



(Dr.D.M.patel)

Internal Complaint Committee (ICC)

As per Section 4 All India Council for Technical Education (Gender Sensitization, Prevention and Prohibition of Sexual Harassment of Women Employees and Students and Redressal of Grievances in Technical Institutions) Regulations 2016, Institute hereby constitutes Internal Complaints Committee (ICC) which constitutes following members. This committee will have a term of two years.

Sr. No.	Name of Member	Designation	Contact Number
Chairperson:			
1	Prof.S.O.Singhal	Associate Professor	7351183564
Faculty Members:			
2	Prof.P.N.Boka	Assistant Professor	9724019504
3	Prof.R.H.Chaudhary	Assistant Professor-Mathematics	9925029215
4	Prof. F.J.Narsingani	Assistant Professor-Maths	9879557552
5	Prof.V.H.Khokhani	Assistant Professor-Civil	6355703368
6	Prof. S.G.Chauhan	Assistant Professor-Civil	9979622187
Non-Teaching Members:			
7	Mr. K.R.Ranavasiya	Office superintendent	7600800386
8	Mr. G. M. Patel	Store Keeper	9429307852
9	Ku.K.P.Shah	Lab Assistant-Electrical	9725222992
Student Members:			
10	Prajapati Bharat	4 th Mechanical	
11	Aanchal Jha	4 th Civil	



(Dr.D.M.Patel)

Committee for Prevention of Sexual Harassment

As per Handbook on Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013, Institute hereby constitutes Committee for Prevention of Sexual Harassment which includes following members:

Sr. No.	Name of Member	Designation	Contact Number
Chair person:			
1	Prof. R. H. Chaudhary	Assistant Professor	9925029215
Faculty Members:			
2	Prof.S.G.Chauhan	Assistant Professor-Civil	9979622187
3	Prof. F.J.Narsingani	Assistant Professor-Maths	9879557552
4	Prof.V.H.Khokhani	Assistant Professor-Civil	6355703368
5	Mrs. N. K. Prajapati	Lab. Assistant- Mechanical	9099760971
6	Ku.K.P.Shah	Lab. Assistant- Electrical	9725222992
Student Members:			
6	Anchal Jha	4 th civil	
7	Raval Pooja	2 nd Civil	
8	Panchal Arti	6 th Civil	
9	Binita Sarvaiya	6 th Mechanical	

(Dr. D.M.Patel)

Objectives of the Committee:

1. To prevent discrimination and sexual harassment against women, by promoting gender harmony among students and employees ;
2. To lay down procedures for the prohibition, resolution, settlement and prosecution of acts of discrimination and sexual harassment against women, by the students and the employees;
3. To deal with cases of discrimination and sexual harassment against women, in a time bound manner, aiming at ensuring support services to the victimized and termination of the harassment;
4. To recommend appropriate punitive action against the guilty party to the Principal of Government Engineering College, Palanpur.

Women Development Committee (WDC)

As per the directives of Gujarat Technological University/AICTE, institute hereby constitutes Women's Development Committee consists of following members till further order.

Sr. No.	Name of Member	Designation	Contact Number
Chair person:			
1	Prof. R. H. Chaudhary	Assistant Professor Mathematics	9925029215
Faculty/Staff Members:			
2	Prof.F.J.Narsingani	Assistant Professor-Maths	9879557552
3	Prof. S.G.Chauhan	Assistant Professor-Civil	9979622187
4	Prof.V.H.Khokhani	Assistant Professor-Civil	6355703368
5	Prof. U. R. Patel	Assistant Professor-Applied Mechanics	9998815530
6	Prof. A.K.Patel	Assistant Professor- Mechanical	9925651543
7	Mrs.N.K.Prajapati	Lab Assistant- Mechanical	9099760971
8	Ku.K.P.shah	Lab Assistant- Electrical	9725222992
Student Members:			
9	Prajapati Bharat	4 th Mechanical	
10	Anchal Jha	4 th Civil	
11	Raval Pooja	2 th Civil	
12	Chaudhary Shailesh	4 th Electrical	

(Dr.D.M.Patel)

Roles and Functions of WDC:

1. To create social awareness to female staff members and girl students in the college about the relevant issues related to women.
2. To encourage the members to participate in the activities exclusively meant for their development as women.
3. To organize seminars and workshops for creating general awareness and orientation to students, teachers, non-teaching staff for their active and sustained participation in the activities of the Committee.
4. To promote general well-being of female students, teaching and non teaching female staff of the institute.
5. To inculcate social values in them by conducting community service activities.
6. To organize various types of training programs and create awareness about self-employment & self-defense for the encouragement of self-reliance among women.

NO:GECPL/ADM/2023/388

Dt.24/4/2023

SC-ST CELL

Government Engineering College, Palanpur has reconstituted a SC-ST cell as per the guidelines of University Grants Commission, New Delhi, and Ref.F 1-5/2006 (S.T.C) Dated 25-08-2006. The details of members are as follows.

Sr. No.	Name of Committee Member	Designation	Position in Committee
1.	Dr. D.M.Patel	Principal(GEC-Palanpur)	Chairperson
2.	Prof.S.K.Dabhi	Assistant. Professor	Liaison Officer(College Representative)
3	Prof.H.V.Hirvaniya	Assistant Prof (Electrical)	Coordinator (SC-ST CELL)
4	Prof.M.K.Patel	Assistant Prof (Electrical)	Member open (Male)
5.	Prof. R.H.Chaudhary	Asstt. Professor	Member open (Female)



(Dr.D.M.Patel)

K. Activities of Women Development Cell

Women Security : Date:21/08/2023



Grooming and Parlour Session: Date:24/08/2023



Health Awareness Program: Date: 21/09/2023



Cancer Awareness Program: Date:22/02/2024



Campaign on Deaddiction: Date:26/02/2024



LIBRARY

LIBRARY

About:

Government Engineering College, Palanpur Library is the heart of the institute which aims to provide an ideal ambience for both creation & dissemination of knowledge, information & intellect in all its academic programs. The college library is well equipped with wide ranging books of all four technical streams. It provides a serene and noiseless atmosphere to students for reading. The current numbers of books stand at about 14609. These books are classified as per Dewey Decimal Classification System (DDC). Data entry of all these books is done in Soul 2.0 Network version. Book issue and return facilities, book search option is to be done through this Soul 2.0 software. Total 175 volumes of books helping the students to crack the competitive examinations are available. Total 24 spiritual books helping students to develop Spiritual Quotient (SQ) are also available. All these books have been well arranged and categorized properly so that it is easily feasible to reach out for them and they are monitored by CC TV Cameras. Free internet access facility is provided to the students.

Magazines

Total 12 journals and 14 magazines are subscribed in the library for the student to keep them abreast with day-to-day happenings in all fields across the globe.

Reading Area

Large and comfortable seating arrangement (80 chairs) with silent environment providing a perfect place for students to study and enhance their knowledge.

Library Utilization:

From July -2023 to June 2024 total books issued to the faculty is 246 and to the students are 1592.

Self-learning facilities/ Learning out of the box (beyond syllabus) –

A self-learning facility includes computer room with high-speed internet connectivity aid students learn from the Internet. It also includes Wi-Fi connectivity across the entire library allows mobile learning. Some Non-Technical books are available in the library for learning beyond the syllabus.

INSTITUTE DEVELOPMENT / IMPROVEMENT

INSTITUTE DEVELOPMENT / IMPROVEMENT

A. Internet/Network/Wifi/CCTV/Laptops/Printers

Availability of Desktop, Printer, Laptops, Scanner and CCTV Camera

DESKTOP PC	367
PRINTER/COPIER	68
LAPTOP	18
SCANNER	6
CAMERA	36
LCD PROJECTOR	17
SERVER	3
ANSYS	2020R2

Availability of points of connection for Internet, WiFi, Camera

LAN POINTS	697
WIFI POINTS	20
CAMERA POINTS	36
NAMO WIFI POINTS	7

INTERNET PROVIDER

RAILTEL	100 MBPS
BSNL	2 MBPS
GSWAN	2 MBPS

B. Safety/Security/Emergency/Medical Care/First Aid

- Security person is allotted in all the department building as per requirement,
- First aid box is available at institute.
- Fire safety bottles are installed at each and every point of requirement in each building. Total 100 no. of bottles are available in the institute.
- Fire Extinguishers bottles are available in each department as per below table.

Sr No	NAME OF DEPARTMENT	CO2 TYPE	ABC TYPE		
		4.5 KG	5 KG	4 KG	2 KG
1	ADMIN DEPT	1	0	5	4
2	LIBRARY	1	0	1	8
3	AMINITIES BLOCK	1	0	7	3
4	ELECT. CONTROL ROOM	1	0	0	0
5	ELECTRICAL DEPT.	1	2	8	4
6	MECHANICAL DEPT.	1	0	10	4
7	WORKSHOP	1	0	10	0
8	CIVIL DEPT.	1	0	9	3
9	MINING DEPT	1	0	9	4

C. Details of solar photovoltaic system installed

100 KW solar power generation systems is installed at GEC Palanpur by TATA power solar system Ltd approved by GEDA. There are four units in which 2 unit each having capacity of 30 KW and 2 units having capacity of 20 KW

D. Residences for Students/Staff

i. BOYS HOSTEL/GIRLS HOSTEL : FACILITY AND FEES

Intake:

Boys Hostel: 186

Girls Hostel: 48

Fee structure:

New admission: Rs. 1950 Hostel fee per semester + Rs. 1000 Security Deposit (Refundable)

Renewal admission: Rs. 1950 Hostel fee per semester

Facilities:

- 3 students are given accommodation in single room
- Table, cot, chair and cupboard are provided to each students
- RO water for 24 hours
- For entertainment TV room and sport facilities are available
- Hot water by solar water heater for bath
- Mess facility available
 - Tea in morning
 - Lunch
 - Snack in evening
 - Dinner

ii. OFFICER/STAFF QUARTERS

Class-I and Class-III staff quarters are constructed by Road and Building Department, Palanpur and possession is handed over to Government Engineering College Palanpur in January 2020.

Officer/Staff quarters consist:

- (1) 4 staff quarters of E-Types (G+2 Building) for class-I officers and
- (2) 4 staff quarters of C-Types (G+2 Building) for Class-III staff.

BUDGET ALLOCATION AND UTILIZATION

BUDGET ALLOCATION AND UTILIZATION

Sr. No.	OBJECT HEAD	ALLOCATION OF GRANT	UTILISATION	Remark
1	2	3	4	5
	OBJECT CLASS-1			
1	Salaries	64923000	64823936	
	OBJECT CLASS-2		0	
1	Domestic Travel Expenses	3783000	114986	
2	Office Expense		3038865	
3	Books		97347	
4	Furniture		48295	
5	Office expense (TPO)	275000	166597	
	TOTAL	4058000	3466090	
	OBJECT CLASS-3		0	
1	Supplies and Materials	13853000		
2	Advertising & Publicity		0	
3	Professional Services		33060	
4	Out sourcing(Man Power)		13739937	
	TOTAL	13853000	13772997	
	OBJECT CLASS-6			
1	Motor Vehicales			
2	Machinery & Equipment			
	TOTAL			
1	Gymkhana	94600	109639	Up to March-2024
2	Social gathering	47300	244616	
3	Student welfare	58950	57409	
4	GTU internal	94600	127717	
	GRAND TOTAL	83129450	82435807	

Note: All figures are in INR.

DESIGN LAB

Objective of the Design Lab:

- The objective of this scheme is to create a culture of innovation throughout the State by fostering creativity and innovative imagination of students and researcher. This will also to provide opportunity and a platform to the person with the innovative mindset to work with tools and equipment to transform his/her idea into product.

Funding to the Design Lab:

- The GUJCOST has procure and provide this comprehensive package of equipment / instrument, tools and accessories costing of Rs. 25,00,000.00 (Rupees Twenty-Five Lakh).

Purpose of Design Lab:

- Purpose of design lab is to support Final Year student Project, Testing, Jobwork, Model & Prototype preparation, Consultancy etc.

Activities in Design Lab:

- Conducting Programs to train and explain to the students about different concepts - ranging from ideation, design, prototyping, networking to physical computing. Workshops on problem solving, designing and fabrication of products etc.

Date of Application for Design Lab: 06-07-2017

Sanction Date of Design Lab: 13-10-2017

Date of Establishment of Design Lab: 01-09-2018

Installation and Training in Design Lab: 27-02-2018

List of Items Available in Design Lab

Sr No	Item Name
1	CCTV Wired System - 2B2D-HD2WMK
2	CCTV Wireless System camera
3	Compact Thermal Imaging System
4	Thermal Camera for Product Inspection - TG165
5	Wall Adapter Power Supply - 5VDC 2A (Barrel Jack)
6	Adaptor 12V 2A
7	DC power supply - PWS2185
8	Digital Multi-meter - 3.5 Digit Portable Digital Multimeter
9	Tektronix TBS1064, 60 MHz, 4 Channel, Digital Oscilloscope, 1 GS/s Sampling
10	Intelligent Power Module for DC-DC Convertor

11	Intelligent Power Module for Motor Control
12	STEVAL-IHM028V2 - Evaluation Board, 3 Phase Motor, VIPER26, Power Management
13	EECF5R5H104 - Supercapacitor, EDLC, 0.1 F, 5.5 V, Radial Leaded, F Series, +80%, -20%
14	EECF5R5U105 - Supercapacitor, EDLC, 1 F, 5.5 V, Radial Leaded, NF Series, +80%, -20%
15	EECSOHD334H - Supercapacitor, EDLC, 0.33 F, 5.5 V, Radial Leaded, SD Series, \pm 30%
16	EECHZOE335 - Supercapacitor, EDLC, 3.3 F, 2.5 V, Radial Leaded, HZ Series, +40%, -20%
17	EECSOHD224H- Supercapacitor, EDLC, 0.22 F, 5.5 V, Radial Leaded, SD Series, +80%, -20%
18	Trainer Kit with Schneider PLC TM221CE24T w/ programming cable
19	TP-Link TL-WR841N 300Mbps Wireless-N Router
20	Signal Processing Board - TMDSDSK6713 - DSP Starter Kit
21	BIPOLAR STEPPER MOTOR 2.8A, 24-42VDC
22	DC Motor 24V - 100W
23	PMAC Motor 1HP
24	BLDC Motor - 58 F- 1Hp
25	EAWOJ-B24-AE0128L ENCODER, ROTARY, 128POS, 8 BIT
26	61C22-01-04-02 - Incremental Rotary Encoder, Optical, With Pushbutton, 16.6rpm, 22 Detents, 5 VDC, Quadrature
27	NI 9381, 0-5V, 8-Ch AI, 8-Ch AO, 4-Ch LVTTTL DIO, C Series Module
28	NI 9923 Front-mount terminal block for 37-pin D-Sub Modules
29	NI 9211 4-Ch $\hat{A}\pm 80$ mV, 14 S/s, 24-Bit TC and Diff AI
30	CRIO-9932 Backshell with 10-Pos Connector Block
31	NI 9403 with DSUB 32 Ch, TTL Digital Input/Output Module
32	CRIO-9030 CompactRIO Controller, 1.33 GHz Dual-Core, 4-Slot, Kintex-7 70T FPGA, -20 A°C to 55 A°C
33	E1 Ethernet Cable. Twisted-pair, 1M
34	NI PS-10 Desktop Power Supply 24 VDC, 5A, 100-120/200-240 VAC
35	NI 9981, 4-pos Gold Power Supply Plugs (Qty 5)
36	NI Standard Service Program for Hardware
37	Analog Discovery 2
38	Arduino Starter Kit
39	Bluetooth Transceiver Module with TTL Outputs-HC05
40	Camera Assembly Kit
41	UART GPS Module, u-blox NEO-6M onboard
42	Intel® Edison and Arduino Breakout Kit
43	Intel Galileo Gen 2 Development Board
44	Intel Genuino 101
45	LittleBits SMART HOME KIT
46	ChromeBox MiniPC
47	RQ-HUNO Robotic Humanoid Kit
48	Raspberry PI - 3(Kit)
49	SANYO AM-1417 Solar Cell
50	KXOB22-01X8F Solar Cell

51	Black + Decker CD121K50 12-Volt Cordless Drill/Driver
52	Makita MLT100
53	Single Lead Heart Rate Monitor - AD8232 - Kit
54	Grove-Finger-clip Heart Rate Sensor with Shell
55	NTC Thermistor - 10K - MA300TA103C
56	ADS1292R ECG/RESPIRATION BREAKOUT KIT
57	MQ-3 Alcohol Ethanol Gas Sensor Module
58	MyoWare Muscle Sensor
59	Three Axis Accelerometer and Gyroscope - MPU 6050 breakout board
60	Adafruit BMP280 12C or SPI Barometric Pressure & Altitude Sensor
61	SparkFun Humidity and Temperature Sensor Breakout - SHT 15
62	MPL3115A2 - 12C Barometric Pressure/Altitude/Temperature Sensor
63	SparkFun Luminosity Sensor Breakout - TSL2561
64	ams IAQ-COREC- VOC
65	Grove - Multichannel Gas Sensor
66	PM2.5 Sensor Module - Laser Sensing
67	Digital Infrared Temperature Sensor MLX90615 GY-90615 Module
68	Sharp GP2Y0A21YKOF Analog Distance Sensor 10-80cm
69	Optomax Digital Liquid Level Sensor - LLC200D3SH-LLPK1
70	Liquid Flow Meter - Plastic 1/2" NPS Threaded
71	Load Cell - 120kg - RSL601AC
72	Weighing Sensor Module - HX711
73	Triple Axis Magnetometer Breakout MAG3110
74	LM393 Tilt Sensor Module
75	pH Kit
76	HS110 Hygrometer Humidity Sensitivity sensor
77	Vibration Sensor Module - SW-420
78	DJI GO Drone

List of Projects and Components Utilized from the Design Lab Kit in 2018-19

Sr. No.	Name of the Project	Description of Project	List of Components Utilized (From the Design Lab Kit) For this Project
1	GUI Based Over current Relay	To protect the electrical devices during faulty condition under GUI.	Raspberry PI – 3 Kit Arduino Starter Kit
2	Remote Monitoring of Water Use and control of water wastage.	To monitor usage of water and reduce wastage.	Arduino Starter Kit Flow sensor
3	Automated 5 DoF Robotic Arm Mechanism.	Robotic arms are used to implement complex industrial automation functionality which only humans can achieve.	RQ-HUNO Robotic Humanoid kit Arduino Starter Kit
4	Investigate effect of weld parameters on weld joints in TIG by SOLDAMATIC simulator	Optical Analysis of the weld joint contour and defects.	Thermal Camera for Product Inspection - TG165

List of Projects and Components Utilized from the Design Lab Kit in 2019-20

Sr. No	Name of the Project	Objective of Project	List of Components Utilized (From the Design Lab Kit) For this Project
1	Energy Usage monitoring Using Labview	To continuously observe the operating voltage and current of the system and trip the circuit if the system exceeds a safe value	CIRO-9030 Compact Controller NI 9223 Module
2	Auto Cut Off Of 20 Hp Submersible Pump Based On Water Level In GEC, Palanpur	To design a system which will serve two functions of saving electricity and water	Arduino Starter Kit Multi meter
3	Energy Monitoring System	For monitoring of faulty equipment which was consuming more energy	Arduino Starter Kit Multi meter
4	Chainless Bicycle	To implement the chainless transmission to the bicycle to overcome the various disadvantages	MyoWare Muscle Sensor

		of chain drive.	
5	Rough Terrain Robot Using Rocker Bogie Mechanism	This mechanism can climb obstacles like rocks which are more than twice or three times the diameter of the wheels while the all six wheels are touching the ground and the design of the differential, which keeps the rover body balanced, enabling it to rock up or down depending on the various positions of the multiple wheels.	RQ-HUNO Robotic Humanoid kit

List of Projects and Components Utilized from the Design Lab Kit in 2020-21

Sr. No	Name of the Project	Objective of Project	List of Components Utilized (From the Design Lab Kit) For this Project
1	Automatic irrigation system using arduino mega	to reduce this manual involvement by the farmer by using an automated irrigation system which purpose is to enhance water use for agricultural crops	Arduino Starter Kit Multi meter,DSO

List of Projects and Components Utilized from the Design Lab Kit in 2021-22

Sr. No	Name of the Project
1	IOT Based Wireless Notice Board
2	Wireless Robotic Arm Control With Mecanum Wheel
3	Wireless Red Signal Alerting For Trains
4	Smart anti suicide fan

**List of Projects and Components Utilized from the Design Lab Kit in
2022-23**

Sr. No	Name of the Project	Objective of Project	List of Components Utilized (From the Design Lab Kit) For this Project
1	Fluid Distributor for Solar Panel Cleaning	To Develop Fluid Distributor for Solar Panel Cleaning System Where water Pressure is used to distribute output one by one to Multiple Output Lines	Computer System for 3D Design, Multimeter, Motor
2	IOTA Meter	IOTA Meter Is develop to Measure the different variable like A.C Voltage, Current, Power, Energy, D.C Voltage, Current, Power, Energy, Temperature and send it to Google Sheet to view data in Tabular Form	Multimeter, Arduino Kit, Wires, Signal generator, Power Supply, Cutter, Sensor

ALUMNI ASSOCIATION

ALUMNI ASSOCIATION

(1) Formation of the “GECPLAA”

The “Government Engineering College Palanpur Alumni Association (GECPLAA)” has been formulated initially with seven members and registered at the Office of the Charity Commissioner, Banaskantha District on February 19, 2020. As on today, the GECPLAA has more than 450 registered members.

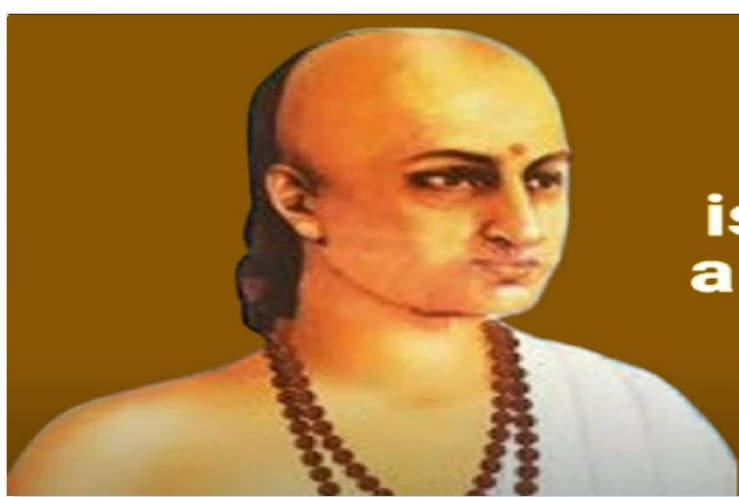
(2) Objectives of the “GECPLAA”

- To provide/develop variety of structural facilities for the educational and overall development of the institute by strengthening the association of the alumni with the existing students and officers/faculty/staff/teachers of the institute.
- To allow the alumni to participate in activities that would contribute to the general development of the Institute and Society.
- To create employment opportunities for the existing students and alumni of the institute.
- To provide scholarships facility to meritorious needy students.
- To give prize/award to the existing students of the institute for their achievements.
- To provide financial supports to the existing students and faculties of the institute to participate in various national and international academic events such as conferences, workshops, technical symposium, etc.
- To organize variety of event for the welfare of alumni of the institute.
- To contribute in the scientific and technical development of the national and world by organizing various activities in association with the alumni of the institute.
- To provide guidance about the knowledge and career development for the existing students and alumni of the institute by organizing institute/state/national level technical/non-technical symposium.
- To acquire/purchase/own/rent/lease the movable or immovable properties (anywhere) to fulfil the objectives of the alumni association.
- To optimally and effectively manage the collected fund as well as to partially/fully invest the reserve fund for its monetary benefits.
- To organize various activities which allows to develop entrepreneurship in the students so that they can contribute to technological innovations.
- To strengthen institute-industry association.

- To do such other lawful things/activities (planned/unplanned) as are conducive or incidental to the attainment of the above objectives and/or beneficial to the interests of the Institute, existing students and its alumni.

(3) Activities of the “GECPLAA” during AY 2023-24

The first “Alumni Meet” has been organized and conducted on 05/11/2024. The theme of the “Re-Union-2023” was to celebrate 10th Graduation Anniversary of the 1st Batch of the institute (2009-13). In this Re-Union 2023, more than 90 alumni were joined. The developmental plan of different departments and the institute were discussed among the alumni of the institute. Also, all alumni were awarded with mementos. The departmental meet of specific graduates was also planned where alumni shared their experience with the existing students. On this auspicious occasion, the logo of the GECPLAA was unveiled. Finally, all faculty/staff members and alumni took the lunch together. All alumni shown great enthusiasm in the meet and gave their consent for their contribution to the overall development of the institute. The alumni also donated more than 1 Lac INR to institute.



**Knowledge
is the greatest wealth
a person can possess.**

**ज्ञान एक व्यक्ति के लिए
सबसे बड़ा धन है।**

VISION

"To be a leading technical institute facilitating transformation of human resources into socially responsible engineering professionals for sustainable development"



MISSION

- (1) To achieve academic excellence by developing state-of-the-art laboratories and academic infrastructure.
- (2) To create an ecosystem that promote value based technical education, innovation and entrepreneurship for sustainable development.
- (3) To contribute to industry and society by providing technical and consultancy services.
- (4) To enhance technical competencies of human resources by providing need base trainings and quality improvement programs.

GOVERNMENT ENGINEERING COLLEGE

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