

ACADEMIC YEAR

**2018-19**

**AT A GLANCE**



GOVERNMENT ENGINEERING COLLEGE

**PALANPUR**

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# VISION AND MISSION

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## 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

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Greetings from the desk of Principal. Government Engineering College, Palanpur is one of the premier institutes in the northern region of the Gujarat catering degree level quality engineering education in core engineering disciplines. Unique group of dedicated young minds contributing their outstanding efforts for 360-degree development of students through holistic teaching-learning process. Here, learning does not mean delivering only technical knowledge and relevant information. In addition, every effort has been made to inculcate all graduate attributes in the students through co-curricular and extra-curricular activities/events and make them globally competent. Effective student counselling and career-based mentoring by faculty coordinators boosting students' involvement in outcome-based learning. The institute focuses on development of responsible citizens for service to the rural India by inculcating professional competencies and human values. Best infrastructural facilities, dedicated faculties and healthy learning environment supports students to grow in all facets. All faculty and staff are actively involved in continuous improvement/development for raising the standard of the institute.

In order to summarize all institutional activities carried out during the academic year an effort has been made to publish year book by publishing committee in 2017-18. It was first time in the history of all GECs across the Gujarat, the year book "GEC Palanpur 2017-18 at a Glance" was published with complete institutional information with photographic illustrations covering all aspects. This issue "GEC Palanpur 2018-19 at a Glance" is in continuation to summarize yearly activities in-line with NBA parameters with relevant documents/proofs.

This report will demonstrate assurance of quality and relevance of professional education carried out at the institute. It also depicts the capabilities ensuring effectiveness of the undergraduate engineering programmes under 10 different heads which will further helpful for the purpose of accreditation.

My special thanks to Prof. A.B. Patel, Dr. K.M. Korot, Prof. M.G. Prajapati, Prof. N.T. Raval, Prof. Y.J. Chauhan, Prof. J.V. Modi, for their effective coordination towards accomplishment of "GEC Palanpur 2018-19 at a Glance". I highly acknowledge the support of all department and sections for their in-depth involvement and support to finalize the report.

Dr. K. B. Judal

# MOTIVATIONAL MESSAGES BY HODs AND TPO

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## 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 a 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 the 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 pleasant and wonderful four years journey at civil engineering department, GEC, Palanpur.

Prof. P. C. Vasani

## 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 for professional career and entrepreneurship regularly. Being a head of department I expect 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 comprehensive discipline in engineering which involves Design, Production, Thermal, Maintenance, and Managerial Skill. The Department is well equipped with all latest equipments and instruments that prepares students for a broad range of careers choice in Industry, Academic Institution, and Government/Private Service sector and also as Entrepreneur. The department is also having latest software for enhancing knowledge and skills for sustainable development. Faculties and Supporting Staff are well qualified and expert in their area of work and dedicated to assigned task. Students are performing well in projects, every year department's projects gets recognition. The Projects are unique, innovative and some of are granted by SSIP. Every year students are participated in state and national level Technical and cultural events and presenting their potential. The teaching learning environment is very conducive to students which in turn helpful in their personal as well as career development.

I wish to all students for better future and contribute for national development by giving best of their abilities.

Prof. Dr. J.A. Vadher

## Mining Engineering Department

The Department of Mining Engineering at GEC, Palanpur is one of only two departments in Gujarat that educates professional graduate mining engineers. We have significant undergraduate student numbers that are well accepted in the market. We put significant effort in all the institute activities in an attempt to transform young students into responsible and professional engineers with a sense of social responsibility, human values and concern for environment. The blend of classroom teaching and field, visits, industrial attachment etc., is an integral expression of our commitment to creating a physical environment that can sustain the production of learning and knowledge in the 21st century.

The development of our students as future technical specialists and managers remain a priority and the development of life skills and responsible leadership through participation in student activities is continuously encouraged.

Prof. H. B. Patel

## Training & Placement Officer

Government Engineering College Palanpur, established in 2009 is one of the premier Technical Institutes in Northern Gujarat under Directorate of Technical Education, Gandhinagar, Government of Gujarat. The college is affiliated to Gujarat Technological University (GTU) and has recognition of All India Council of Technical Education (AICTE).

Government Engineering College, Palanpur is the only 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 spread in 15 Acres of Land on Palanpur-Ahmedabad Highway near Jagana Village, 8 Km from Palanpur, North Gujarat.

We are developing young graduate engineers in following four disciplines:

- (1) Civil Engineering
- (2) Electrical Engineering
- (3) Mechanical Engineering and
- (4) Mining Engineering

We at Government Engineering College Palanpur take care to groom our students according to the needs of the industries. Our students undergo industrial training during their final year vacation in reputed industries/organizations/institutions, as a part of their academic provisions. Our students get a lot of industrial exposure by their frequently arranged industrial visits.

We also take care to groom the students for their overall development through finishing school program arranged at our institute. In Finishing School Program students are trained for Life Skills, Employability skills, English Functional Skills etc.

In the year of 2019, Mega Placement Camp arranged at Government Engineering College, Palanpur. In this camp 35 Industries and 1001 students from 11 higher education colleges of Banaskantha district participated. During two days of this Mega Placement Camp 2690 interviews were arranged and as a result of this 285 students were selected and 656 students were shortlisted.

It gives us immense pleasure to extend to you a most cordial invitation to participate in the Campus Recruitment Programme of the Government Engineering College Palanpur. Now, more than ever, the emphasis is on Institute-Industry Interaction, and both the Institute, conducting the Campus Recruitment Program, and the Industry expressing their interest in the same, are bound to find it mutually beneficial.

Please feel free to contact the Training & Placement Office.

Looking forward to a jointly positive relationship and with regards,

Prof. N. A. Patel



# **ACADEMIC EXCELLENCE**

# ACADEMIC EXCELLENCE

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## A. BISAG video lecture series for 1st year students

SR. NO.	DEPT.	SUBJECT NAME	NOS. OF BISAG VIDEO LECTURES CONDUCTED
1.	Mechanical	E G	19
2.	Mechanical	C S	13
3.	Mechanical	CALCULUS	20
4.	Mechanical	E C E	16
5.	Mechanical	PHYSICS	17
6.	Mechanical	E S	10

## 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	<a href="http://nptel.ac.in/">http://nptel.ac.in/</a>	Video lectures
2.	Civil	<a href="https://ocw.mit.edu/courses/civil-and-environmental-engineering/">https://ocw.mit.edu/courses/civil-and-environmental-engineering/</a>	Teaching materials used in classrooms
3.	Electrical	<a href="https://manishprajapati570.blogspot.in">https://manishprajapati570.blogspot.in</a>	Class notes, Assignments, Tutorials, Notice, Mid Sem Result etc.
4.	Electrical	<a href="http://vlabs.iitb.ac.in/vlab/labsee.html">http://vlabs.iitb.ac.in/vlab/labsee.html</a>	IIT Bombay virtual lab facility utilized to perform practical of Switch Gear and Protection (2170908) subject
5.	Electrical	<a href="http://nptel.ac.in/">http://nptel.ac.in/</a>	Video lectures
6.	Electrical	<a href="http://nptel.ac.in/">http://nptel.ac.in/</a>	Video lectures, Web Course
7.	Mechanical	<a href="http://vlabs.iitb.ac.in/vlab/">http://vlabs.iitb.ac.in/vlab/</a>	Laboratory Experiments
8.	Mechanical	<a href="https://sites.google.com/view/napatelgec/">https://sites.google.com/view/napatelgec/</a>	Class notes, assignments, tutorials
9.	Mechanical	<a href="http://ocw.mit.edu/">http://ocw.mit.edu/</a>	Teaching materials used in classrooms
10.	Mechanical	<a href="http://nptel.ac.in/">http://nptel.ac.in/</a>	Video lectures
11.	Mining	<a href="http://nptel.ac.in/">http://nptel.ac.in/</a>	Video lectures, Teaching materials used in classrooms
12.	Mining	Slideshare.net	Teaching materials used in classrooms
13.	Mining	<a href="https://drive.google.com/drive/my-drive">https://drive.google.com/drive/my-drive</a>	Lecture notes, Assignments, Study material

## C. Major laboratories with major equipments photos and brief description

### CIVIL ENGINEERING DEPARTMENT

<p><b>Surveying Lab</b></p> 	<p>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 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> &amp; 4<sup>th</sup> semester for the subjects Elements of Civil Engineering (2110004), Surveying (21306010 &amp; Advanced Surveying (2140601).</p> <p>Major Equipments:</p> <ul style="list-style-type: none"> <li>• Total Station</li> <li>• Electronic Theodolite</li> <li>• Digital Planimeter</li> <li>• Plane Table</li> <li>• Transit Vernier Theodolite</li> <li>• Automatic Level</li> <li>• Dumpy &amp; Tilting Level</li> </ul> <p>Prismatic &amp; Surveyor Compass</p>
<p><b>Building Construction Lab/Model Room</b></p> 	<p>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.</p> <p><b>Environment Engg. Lab</b></p> <p>Environmental engineering is a professional engineering discipline and also branch of civil engineering. In civil engineering Side, it is useful for different infrastructure facilities like water infrastructure, Waste water 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 mostly useful for measurement of characteristics of water and waste water.</p>
<p><b>Transportation Engineering Lab</b></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 &amp; Fire Test Apparatus, Viscometer and Bitumen Extractor etc. The following are the list of Practicals to be performed in the laboratory.</p>
<p><b>Computer Lab</b></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 &amp; 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><b>Concrete Technology Lab</b></p>	<p>Department has well-equipped laboratories pertaining to Concrete Technology. The Concrete Technology Laboratory is located on 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</p>



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

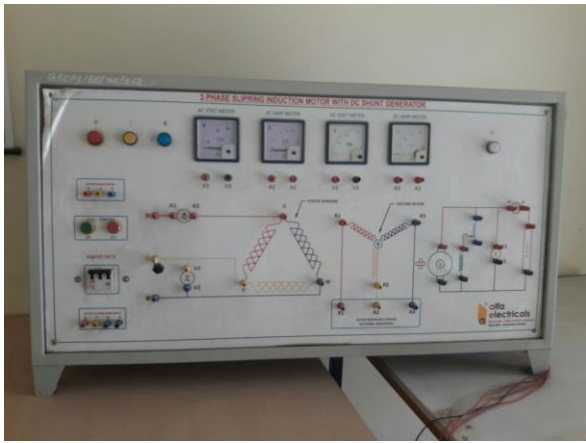
### Electrical Machines Lab



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.

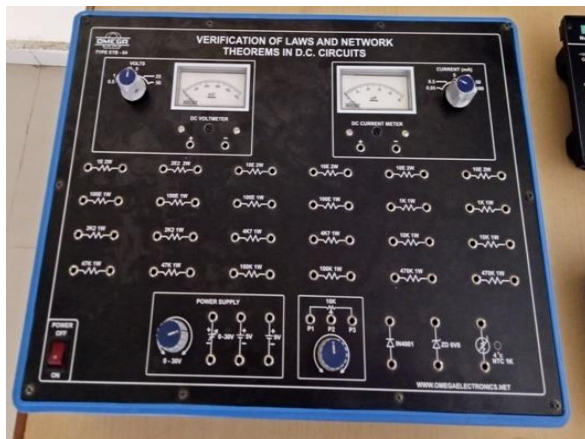
Major Equipments:

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

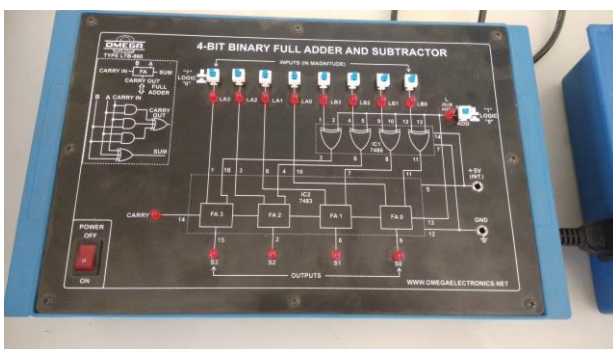


Network and control laboratory is located on the first floor of Electrical Block. This laboratory facilitates the students of 3<sup>rd</sup> and 5<sup>th</sup> semester for the subjects Circuits and Network and Control System Engineering respectively. This laboratory allows student to Understanding and 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.

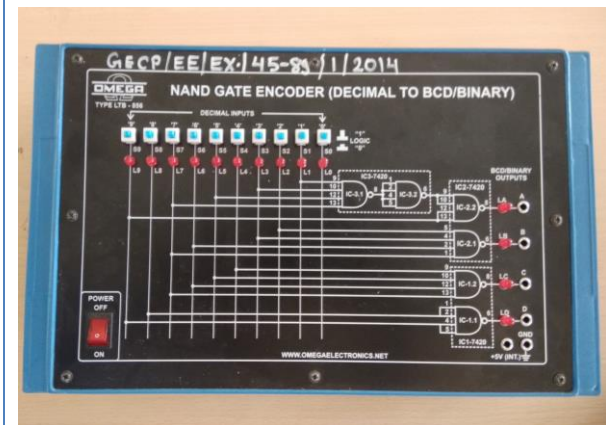
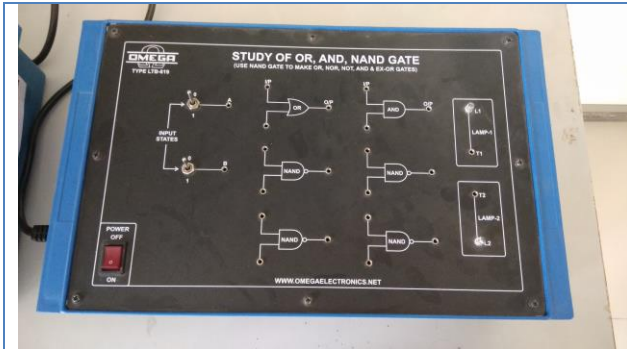
### Digital electronics Lab



Digital Electronics Lab facilities are located in the first floor of Electrical block. This laboratory facilitate the students of 4<sup>th</sup> semester for the Digital Electronics subject. 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



Power System laboratory is located on the ground floor of Electrical Block. This laboratory facilitates the students of 4<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> semester for the subjects Electrical Power Generation, High Voltage Engineering and Switch-Gear and Protection respectively. This laboratory allows student to Understand fundamentals of power generation and behavior of dielectric material under high electric stress.

### Major Equipments:

1. Model of Power Generation, Transmission and Distribution.
- Oil Testing Kit, 60 kV Sphere-gap Assembly

### 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 2<sup>nd</sup>, 5<sup>th</sup> and 6<sup>th</sup> semester for the subjects 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 3<sup>rd</sup> and 7<sup>th</sup> semester for the subjects 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 subjects & 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 3<sup>rd</sup> semester for the Analog Electronics subject. 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 subjects 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 subjects 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.

**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 4<sup>th</sup> semester for the subjects MMM.

**OBJECTIVES**

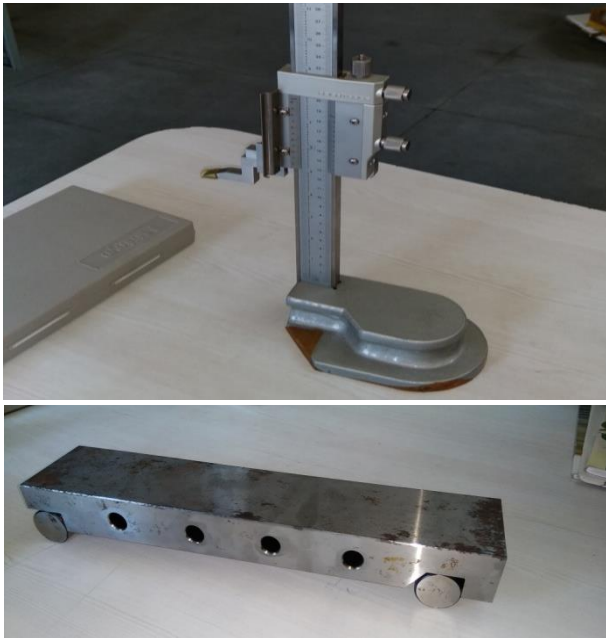
The objectives of Mechanical Measurements & Metrology lab is

- 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 3<sup>rd</sup>, 4<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> semester for the subjects 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



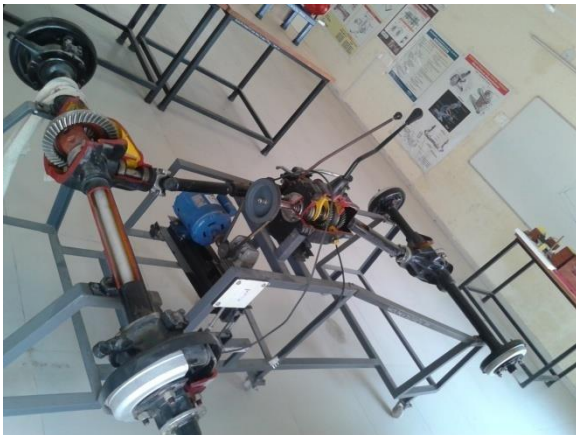
We have 25 pcs available to run appropriate modeling and Analysis/Simulation software and to perform most common computing task.

We have license for following softwares.

Autodesk Inventor 2017

Autodesk Autocad 2017

### 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 6<sup>th</sup> and 8<sup>th</sup> semester for the subjects 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:

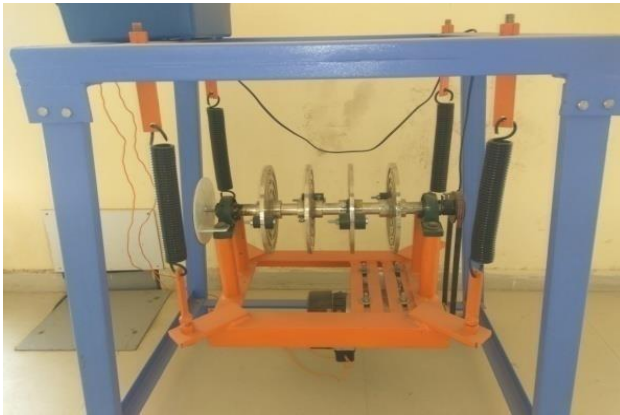
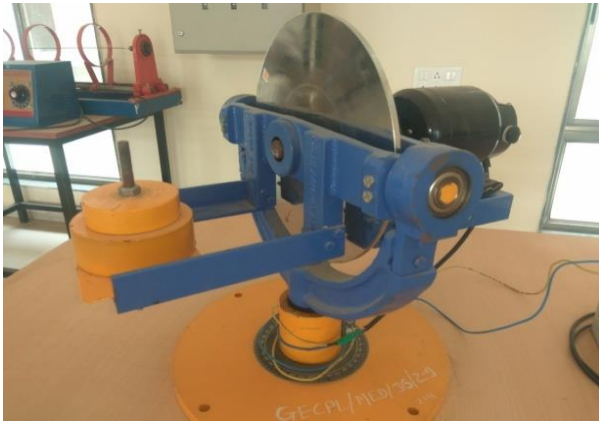
1. Cut sectional single cylinder four stroke diesel engine
2. Cut section of four wheel drive with differential & rear axle.
3. Cut section of four cylinder four stroke petrol engine.
4. Cut sectional two stroke single cylinder petrol engine

During each academic year total 15 experiments are conducted in this laboratory. This laboratory gives great exposers 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 subjects 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 subjects.

### 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 subjects:

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:

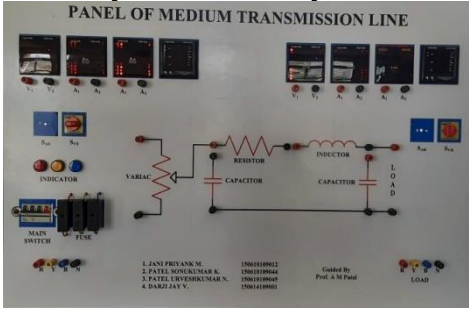
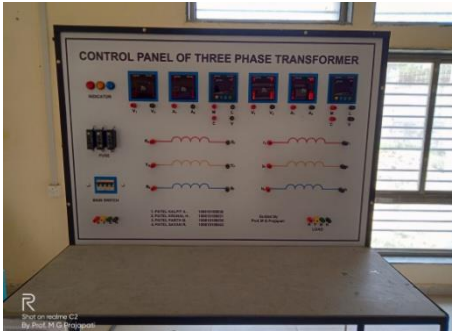

MSM Lab has INVERTED METALLURGICAL MICROSCOP with camera for analysis of microstructures of metals. It is equipped with material Plus software which is useful for students to get colour image of microstructures, report of grain size, report of grain count, report of density and grain distribution. This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

## D. Laboratory development initiatives:-New purchase and Improvements

### ELECTRICAL ENGINEERING DEPARTMENT

Sr.No.	Equipment Name	Qty	Specification
1	<p>Panel to simulate medium transmission line is developed for Power System laboratory</p>  <p>The image shows a control panel titled 'PANEL OF MEDIUM TRANSMISSION LINE'. It features several analog meters (V<sub>1</sub>, V<sub>2</sub>, A<sub>1</sub>, A<sub>2</sub>, V<sub>3</sub>, V<sub>4</sub>, A<sub>3</sub>, A<sub>4</sub>), a main switch, a fuse, a variac, a resistor, an inductor, and two capacitors. A circuit diagram is drawn on the panel, showing a transmission line model with a load. The panel is credited to Prof. A.M. Patel.</p>	2	3-phase; 440 V; 15 Ampere
2	<p>Control Panel of Three phase transformer</p>  <p>The image shows a control panel titled 'CONTROL PANEL OF THREE PHASE TRANSFORMER'. It includes three analog meters, a main switch, and a fuse. A circuit diagram of a three-phase transformer is drawn on the panel. The panel is credited to Prof. A.M. Patel.</p>	1	5 Kva, 440 Volt, 50Hz, Three Phase Transformer
3	<p>Control Panel of Single phase induction motor</p>  <p>The image shows a control panel titled 'CONTROL PANEL OF SINGLE PHASE INDUCTION MOTOR'. It features a main switch, a fuse, and a capacitor. A circuit diagram of a single-phase induction motor is drawn on the panel. The panel is credited to Prof. A.M. Patel.</p>	1	1 HP, 230 Volt, 4.96 A, 50 Hz, 1500 rpm

**MECHANICAL ENGINEERING DEPARTMENT**

Sr.No.	Equipment Name	Qty	Specification
1	CUT SECTIONAL SINGLE CYLINDER FOUR STROKE DIESEL ENGINE	1	Full cut sectional view of all parts as fuel pump, piston, inlet & exhaust manifold, fuel tank, filter & oil pump, showing tappet movement, valve and valve spring movement, piston movement, crank shaft & connecting rod movement, cam shaft, push rod & rocker arm movement. Motor operated: 0.37KW, 0.5HP, 220V, 1440RPM, 50Hz, Single phase. (with reduction gearbox 20 to 25 output rpm), Mounted on heavy duty MS frame.
2	CUT SECTION OF FOUR WHEEL DRIVE WITH DIFFERENTIAL & REAR AXLE	1	Cut sectional motor operated 3 speed synchromesh gear box having output speed is 20-25 rpm with gear shifting arrangement. Showing cut sectional transfer gear box having two wheel drive to four wheel drive conversion facilities with propeller shaft and both rear axles. showing Cut sectional differential with hub & drum and Internal expanding shoe brakes. Motor operated: 0.37KW, 0.5HP, 230V, 1440RPM, 50Hz, 4.5AMPS, Single phase. Approximate Size of Model : 10×4×4 (LBH) in feet, Hard chrome plated internal gears. Whole unit is mounted on heavy duty MS frame.
3	CUT SECTION OF FOUR CYLINDER FOUR STROKE PETROL ENGINE	1	Full cut sectional view of all parts as carburetor, fuel pump, radiator, piston, inlet & exhaust manifold, fuel tank, distributor, filter & oil pump. showing tappet movement, valve and valve spring movement, piston movement, crank shaft & connecting rod movement, cam shaft, push rod & rocker arm movement. Showing valve timing gear. Motor operated: 0.37KW, 0.5HP, 230V, 1440RPM, 50Hz, 4.5AMPS, Single phase. (with reduction gearbox 20 to 25 output rpm), Mounted on heavy duty MS frame
4	CUT SECTIONAL TWO STROKE SINGLE CYLINDER PETROL ENGINE	1	Manual, Foot operated with gear shifting pedal. Showing Multi plate clutch, engine fins, spark plug, carburetor, gear box, air filter, piston movement through cut cylinder during paddling. Approximate Size of Model : 2×1.5×1.5 (LBH) in feet.

## E. Major projects/Minor projects

### **CIVIL ENGINEERING DEPARTMENT**

<b>Sr. No.</b>	<b>Project Title</b>	<b>Name Of Guide</b>
1	Highway failure and its maintenance	PROF U.R.SINGH
2	Storm water solution permeable pavement	PROF U.R.SINGH
3	Analysis & design of residential bulidings	DR G M SAVALIYA
4	Analysis & design of multystorey structure using software	DR G M SAVALIYA
5	Transportation planning	PROF HARDIK U PATEL
6	Transportation planning	PROF HARDIK U PATEL
7	Town planning	PROF S.G.CHAUHAN
8	Water infrastructure of mehsana city	PROF S.G.CHAUHAN
9	Society planning	PROF S.G.CHAUHAN
10	Desing of sewerage system and waste water treatment plant - a case study on palanpur city	PROF R K RATHOD
11	Assessment of evaporation losses a case - study on dharoidam reservoir	PROF R K RATHOD
12	Effect in compressive strength on concrete by silica as partial relacement of cement	PROF MAYUR N PRAJAPATI
13	Replacement of cement by using of fly ash in cenrete	PROF MAYUR N PRAJAPATI

### **ELECTRICAL ENGINEERING DEPARTMENT**

<b>Sr. No.</b>	<b>Project Title</b>	<b>Name Of Guide</b>
1	Design & implimentation of control panel for three phase transformer	PROF. M G PRAJAPATI
2	Design & development of control panel for single phase induction motor	PROF. M G PRAJAPATI

<b>Sr. No.</b>	<b>Project Title</b>	<b>Name Of Guide</b>
3	Over current protection using electro-mechanical relay	PROF. J H PATEL
4	Remote monitoring of water usage and control of water wastage	PROF. M.K. PATEL
5	Gui based overcurrent relay	PROF. M.K. PATEL
6	Relay coordination of overcurrent relay using etap software	PROF. J H PATEL
7	Design, simulation and analysis of medium transmission line	PROF. A.M.PATEL
8	Design and construction of an electric bicycle with regenerative braking	PROF. N A MISTRI
9	Raspberry pi based reader for blind	PROF. M R SUNEJA
10	Simulation and analysis of 220kv substation	PROF. H N CHAUDHARY
11	Panel for calculation of regulation and efficiency for transmission line	PROF. M D PATEL/PROF. A.M.PATEL
12	Solar vehicle	PROF. H V HIRVANIYA
13	Hand gesture based motion control vehicle	PROF. M R SUNEJA
14	Over current relay testing kit	PROF. K G PRAJAPATI
15	Coin based water filling system	PROF. B R PATEL
16	Three phase fault analyser	PROF. K G PRAJAPATI
17	Design, development and analysis of inverter control ac motors	PROF. H V HIRVANIYA

### MECHANICAL ENGINEERING DEPARTMENT

<b>Sr. No.</b>	<b>Project Title</b>	<b>Name of Guide</b>
1	To Design the System For Prediction Of Brakage Of Cluch Wire/Brake Wires In Two Wheeler	Prof A B Patel
2	Development of Sheet Metal Cutting Machine Using Pneumatic Power	Prof A K Patel
3	Development of Pneumatic Bending Machine	Prof A K Patel
4	Design and fabrication of continuous variable transmission-a study model	Prof A D Patel

<b>Sr. No.</b>	<b>Project Title</b>	<b>Name of Guide</b>
5	Water Lifting Using Archimedes Screw Concept-A Way to Save Electricity	Prof A D Patel
6	Maintenance & Performance Testing of Solar Flate Plate Collector Test Rig	Prof V D Patel
7	Design and development of automatic electric agro-vehicle	Prof N A Patel
8	Development of Five Axis Arm Robot	Prof N T Raval
9	To lift the engine and heavy part from the vehicle under maintenance without damage to other parts and with	Prof A B Patel
10	Design and development of tmt bar bending machine	Prof N A Patel
11	Design and development of spot welding robot	Prof N A Patel
12	Design and fabrication of metal detector and extractor in cattle feed	Prof P N Boka
13	Design & fabrication of automatic sealing of bags for cattle food industry	Prof P N Boka
14	Design and development of pedal operated real time hacksaw machine	Prof N T Raval
15	Design and development of magnetic abrasive finishing machine	Prof A R Chaudhari
16	Design & development of electrochemical disolution machine	Prof A R Chaudhari
17	Maintance & performance testing of heat pump trainer test rig	Prof V D Patel


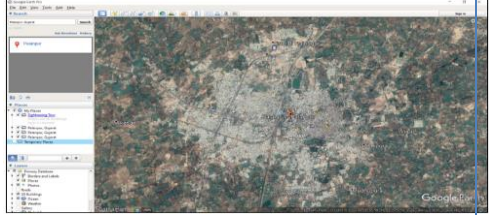




## MINING ENGINEERING DEPARTMENT


<b>Sr. No.</b>	<b>Project Title</b>	<b>Name of Guide</b>
1	Arrangement of Solar Panel in Belt Conveyor	Suraj Kumar
2	A Study of Underground Coal Gasification	Suraj Kumar
3	Study of Ventilation Planning And Design in Underground Coal Mining	Suraj Kumar
4	Productivity and Applicability of Dicalcium phosphate	V. Modi
5	Production of Brick from Marble powder waste	J.V. Modi





## F. Best Three Major/Minor Projects (With Abstract and Photos)


### CIVIL ENGINEERING DEPARTMENT

Sr. No.	Project Title	Name Of Guide	Abstract	Photos
1	DESING OF SEWARAGE SYSTEM AND WASTE WATER TREATMENT PLANT - A CASE STUDY ON PALANPUR CITY	PROF R K RATHOD	<p>The increase in population has led to increase in domestic sewage of city. The city like Palanpur has no waste water treatment plant to treat the waste water before its disposal to the rivers by this, the clean water of rivers also get polluted. So it is required to construct a sewage treatment plant and at the same time it is also necessary that the city have sewerage system that covers the whole city. The project deals with design of sewerage system in Palanpur city and waste water treatment plant and its major components like screening chamber, grit chamber, skimming tank, sedimentation tank, secondary clarifier, activated sludge tank, sludge drying beds. By execution of the project entire sewage of Palanpur city can be treated effectively and efficiently.</p> <p>This project will show the dimensions of new sewer lines used and dimensions of the manholes. The sewer lines will be capable enough to carry maximum discharge at any section. The sewerage system which is going to be design in this project will be economical, smooth, efficient and safe. It will also promote the healthy environment and people will get rid of unpleasant smells and unhygienic conditions. This project will be environment friendly and it will improve aesthetic view of the Palanpur city.</p>	     


Sr. No.	Project Title	Name Of Guide	Abstract	Photos
2	EFFECT IN COMPRESSIVE STRENGTH ON CONCRETE BY SILICA AS PARTIAL REPLACEMENT OF CEMENT	PROF YOGESH J CHAUHAN / PROF MAYUR N PRAJAPATI	<p>Concrete composite is one of the main construction materials in civil engineering. During manufacturing of cement large amount of CO<sub>2</sub> get into the atmosphere. So it is require to use green concrete that will result in sustainable development without destruction of natural resources. Silica Improve the compressive and tensile strength of concrete. An experimental investigation has been carried out by replacing the cement with silica of 1.0%, 3.0% and 5.0% by weight of cement. The test conducted on it shows a considerable increase in compressive and tensile strength of concrete. The strength increase was observed with the increase with the percentage of silica.</p>	





## ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Project Title	Name Of Guide	Abstract	Photos
1	SOLAR VEHICLE	PROF. H V HIRVA NIYA	<p>Solar car is the best thing due to this the problem of non renewable energy as well as fuel issue will be solved. The major component of solar car is BLDC motor, Solar panel, Battery, Controller. Solar panel also known as photovoltaic cell that is used to convert solar energy to electrical energy.</p> <p>From the use of BLDC motor the car is run with smoother and with best efficient. Controller is uses for control the power, torque and speed of the motor so vehicle will run with needed speed not unnecessary requirement. The charge means electrical energy which is stored in Battery to use for run and best performance. The main use of this car in large campus and big industries for moving in one department to other with use of this car it will be easy.</p>	
2	DESIGN AND CONSTRUCTION OF AN ELECTRIC BICYCLE WITH REGENERATIVE BRAKING	PROF. N A MISTRI	<p>An electric bicycle is a battery and BLDC motor operated vehicle that is economical with low maintenance cost and zero pollution. Electric bicycle use the electrical technology of rechargeable battery that converts electrical energy into mechanical energy. The battery of an electric vehicle can be charge easily using a power connection. The bicycle will also have regenerative braking capabilities when specified by users. The bicycle will use a brake-by-wire system to operate motor as a generator, simultaneously slowing the bicycle and recharging the battery the system we design will be such that most bicycle could be easily modified to include our system.</p>	

Sr. No.	Project Title	Name Of Guide	Abstract	Photos
3	OVER CURRENT PROTECTION USING ELECTROMECHANICAL RELAY	PROF. J H PATEL	<p>Electrical power system network is mainly divided into three parts (i) Generation (ii) Transmission (iii) Distribution (iv) Distribution. Its open network where many types of fault occurs like L-G, L-L, L-L-L, L-L-L-G, L-L-G, TRANSIENT etc. To maintain reliability in the power system network it's necessary to remove such fault as quickly as possible. Electromechanical relay is first generation relay which can sense such fault and gives breaker a signal to isolate faulty part from the system. Our main objective of the project is to realise operation of over current protection using electromechanical type relay.</p>	

## MECHANICAL ENGINEERING DEPARTMENT

Sr. No.	Project Title	Name of Guide	Abstract	Photos
1	DEVELOPMENT OF SHEET METAL CUTTING MACHINE USING PNEUMATIC POWER	PROF. A. K. PATEL	<p>The sheet metal cutting process is main part of all manufacturing industries. The sheet metal cutting machine works with the help of pneumatic double acting cylinder. The piston is connected to the moving cutting blades via connecting link which is used to cut the sheet metal. The cutting process is operated by directional control valve using compressor. The main advantages of pneumatic sheet metal cutting machine are to improve product quality and production rate. Cutting process is one of the most important process in manufacturing firms. Automatic cutting machines are available in the market which are very costly for small manufacturing firms. Thus we are going to make a manual pneumatic sheet metal cutting machine which is operated by pneumatic power. This machine is easy operating, economical and to help these small manufacturing firms.</p>	

Sr. No.	Project Title	Name of Guide	Abstract	Photos
2	“DESIGN & DEVELOPMENT OF ELECTRO-CHEMICAL DISSOLUTION MACHINE”	Prof. A R CHAUDHARI	<p>The Electrochemical Machining (ECM) is a non-traditional machining (NTM) process belonging to Electrochemical category. ECM is opposite of electrochemical or galvanic coating or deposition process. Thus ECM can be thought of a controlled anodic dissolution at atomic level of the work piece that is electrically conductive by a shaped tool due to flow of high current at relatively low potential difference through an electrolyte which is quite often water based neutral salt solution. Effort is applied to design and develop Electro-Chemical Dissolution Machine which can produce superior surface finishing.</p>	 
3	DESIGN AND DEVELOPMENT OF SPOT WELDING ROBOT USING PNEUMATIC POWER	PROF. N. A. PATEL	<p>Welding robot has played an extremely important role in the welding production of high-quality, high-efficiency. The paper designed the hardware structure and software of spot welding robot. The hardware design mainly includes the major modules of arm and base; the hardware design includes two parts: manual mode and automatic mode. Manual mode is generally used for the robot system installation, commissioning and troubleshooting, and the major modules are controlled by the start of the corresponding button; automatic mode is mainly used for production stage. The welding robot uses PLC for controlling; the system runs faster and has a short production cycle.</p>	 

## MINING ENGINEERING DEPARTMENT

Sr. No.	Project Title	Name of Guide	Abstract	Photos
1.	Arrangement of Solar Panel in Belt Conveyor	Suraj Kumar	<p>As the conventional energy sources are depleting day by day, it is very essential to search for alternative energy sources. Nowadays belt conveyor is playing a key role in material handling. In this project the main source of power in belt conveyor is through solar panel. So, the driven pulley is powered through this solar panel. It is a form of photoelectric cell, defined as a device whose electrical characteristic, such as current, voltage, or resistance, varies when exposed to light. The solar panels is use to powered the belt conveyor, so, that the eco-friendly energy can be used except electricity as there is a lot of solar energy available in open-cast mine. In this project we will design and make a model of solar panel operated belt conveyor system.</p>	
2.	A Study of Underground Coal Gasification	Suraj Kumar	<p>Energy demand of India is continuously increasing. Coal is the major fossil fuel in India and continues to play a pivotal role in the energy sector. Coal meets about 60% of the commercial energy needs and about 70% of the electricity produced in India comes from coal, and therefore there is a need for technologies for utilization of coals efficiently and cleanly. UCG offers many advantages over the conventional mining and gasification process. UCG is a well proven technology. Potential for UCG in India is studied by comparing the properties of Indian coals with the properties of coal that are utilized by various UCG trials. The essential issues are elaborated for starting UCG in India based on the reported information from the successful field trials conducted all over the world. Indian industries are in the process of initiating pilot studies of UCG at various sites.</p>	

## G.List of IDPS

### ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Project Title	Name of Guide	Name of industry
1	DESIGN & IMPLIMENTATION OF CONTROL PANEL FOR THREE PHASE TRANSFORMER	PROF. M G PRAJAPATI	GEC, Palanpur
2	DESIGN & DEVELOPMENT OF CONTROL PANEL FOR SINGLE PHASE INDUCTION MOTOR	PROF. M G PRAJAPATI	GEC, Palanpur
3	OVER CURRENT PROTECTION USING ELECTRO-MECHANICAL RELAY	PROF. J H PATEL	GEC, Palanpur
4	REMOTE MONITORING OF WATER USAGE AND CONTROL OF WATER WASTAGE	PROF. M.K. PATEL	GEC, Palanpur
5	GUI BASED OVERCURRENT RELAY	PROF. M.K. PATEL	GEC, Palanpur
6	SIMULATION AND ANALYSIS OF 220KV SUBSTATION	PROF. H N CHAUDHARY	GETCO, (SADARPUR s/s) PALANPUR



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

### CIVIL ENGINEERING DEPARTMENT

Sr. No.	Description of Arranged Visit	Date	Site, Location	Number of students participated
1	Arranged Visit of construction site of Railway Over Bridge for 7th sem students	2/8/2018	Construction site of Railway Over Bridge near Jagana, Palanpur	60
2	Arranged Visit of construction site of Residential building for 7th sem and 1st sem students	27/7/2018	Construction site near Hello point hotel, Abu road, Palanpur	120
3	Arranged Visit of construction site of Railway Over Bridge for 5th sem students	10/8/2018	Construction site of Railway Over Bridge near Jagana, Palanpur	60

### ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Teaching-Learning Tool Used	Name of Subject and Semester	Teaching-Learning Tool Used	Details
1	Prof. A. M. Patel	Switch Gear and Protection (2170908); 7 <sup>th</sup> Sem. EE	Virtual lab	Many practicals effectively performed through virtual lab developed by IIT Bombay.
2	Prof. J.H.Patel	Basic Electrical Engineering, AC Machine	Google Drive	Video Lectures, Active Learning Assignment, Progressive Assessment, Industrial tour were planned to enhance knowledge of students towards the subject

## MECHANICAL ENGINEERING DEPARTMENT

The Mechanical Engineering Department has organized expert lecture which was delivered by Prof. V. D. Patel “Enhancing knowledge on Projection of Line” related to course Engineering Graphics for the students of first semester of all branches.

The details are as under:

Date & Time : 05/10/2018, 10:30 AM

Venue : Seminar Hall, Mechanical Department

The highlights of this expert lecture are

- Why need to take Projection of Line?
- Fundamental theory on Projection of Line.
- How the projections of line make easy!
- Understanding the concept via practice problems.

Total of 100 students of first year class of all branches have attended this expert session.

## MINING ENGINEERING DEPARTMENT

1. Video lectures of advancement 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	Yes	No
Suraj Kumar	VII	RF	Yes	Yes	Yes	No
J.V. Modi	V	RM	Yes	Yes	Yes	No
J. V. Modi	V	AMS	Yes	Yes	No	No

## I. Innovative Assessment Methodologies

### CIVIL ENGINEERING DEPARTMENT

Sr. No.	Methodology	Related subject	Class	Name of staff
1	Students were asked to make presentation on the given topic and to deliver in the class itself to improve their self learning ability	Advanced Construction Engineering	6 <sup>th</sup> Civil	Prof. R. K. Rathod Prof. H. U. Patel
2	Presentation method by Students, Question answering method, Discussion Method	Chemistry & Environmental science	1 <sup>st</sup> Mech/Civil/Elect/Mining & 2 <sup>nd</sup> Mining	Prof. C.G.Prajapati

### ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Methodology	Related subject	Class	Name of staff
1	Students are asked to simulate problem in software	Control System Engineering	5 <sup>th</sup> Sem. EE	Prof. J.H.Patel
2	Quiz	Inter Connected Powersystem (2170901)	7 <sup>th</sup> Sem. EE	Prof. K. G. Prajapati

### MECHANICAL ENGINEERING DEPARTMENT

Sr. No.	Methodology	Related Subject	Class	Name Of Staff
1	Students are asked to perform experiment and take at least one reading (performance based assessment)	I. C. Engine	6 <sup>th</sup> mech	Prof. A. D. Patel
2	Design of any element from IC/Auto lab	D. M. E.	5 <sup>th</sup> Mech	Prof. A. D. Patel

Sr. No.	Methodology	Related Subject	Class	Name Of Staff
	(ex. Fan hook, door handle, door hing screws etc...) (on the spot design)			
3	Students were asked to make presentation on the given topic and to deliver in the class itself to improve their self learning ability	Auto. Engg.	8 <sup>th</sup> mech	Prof. A. D. Patel

### MINING ENGINEERING DEPARTMENT

Sr. No.	Methodology	Related Subject	Class	Name Of Staff
1	Presentation method by Students, Question answering method, Discussion Method	Chemistry	1 <sup>st</sup> Mech/Civil/Elect/Mining & 2 <sup>nd</sup> Mining	Prof. C.G.Prajapati
2	Presentation method by Students and Quiz	Geology-I & II	Semester 3 & 4	Prof. H.B Patel
3	Presentation method by Students, Discussion and Question answering	Rock Mechanics	5 <sup>th</sup> Semester	Suraj Kumar
4	Presentation method by Students, Question answering method, Discussion Method, Model Prepared.	Underground Metal Mining	6 <sup>th</sup> Semester	J. V. Modi

## J. Students Interaction with Outside World : Participation in State Level Project Competition : National Seminar : Conference

### CIVIL ENGINEERING DEPARTMENT

Sr. No.	Name of Event	Date of Event	Venue	Name of students participated
1	“UltraTech Sparkling Star” paper presentation competition for civil engineering students	26 <sup>th</sup> – 27 <sup>th</sup> Feb 19	GPER, Mahesana	1. Sachinkumar Rasiklal Prajapati 2. Yogeshkumar Prakashbhai Goswamipati

### ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Name of Event	Date of Event	Venue	Name of students participated
1	45 th NRDC Meritorious Innovation Awards Ceremony & Conference on “Connecting Inventors, Innovators, Incubators and Investor for Accelerating Growth of Start-ups”	30-3-2019	Entrepreneurship Development Institute of India	Divydarshan Kantilal Solanki
2				Raval Parth
3				Ladumor Mahendra
4				Sachin Prajapati
5				Parshotam Prajapati
6				Akshay Prajapati
7				Panchal Aniket
8				Margin Patel
9				Meet Patel
10				Harsh Patel
11				Binav Patel
12				Raj Patel
13				Patel Parth
14				Ravi Gorphad
15				harishikesh Panchal
16				Rutvik Vaghela
17				Akash Prajapati
18				Bajariya Mahesh
19				Kisankumar Nagar
20				Jigneshkumar Patel
21				Patel Meet
22				Shravan Prajapati
23				Prajapati Dinesh
24				Chetan Prajapati

<b>Sr. No.</b>	<b>Name of Event</b>	<b>Date of Event</b>	<b>Venue</b>	<b>Name of students participated</b>
25	Convergence 18	16-17 march 2019	kherva	Chaudhary Amit
26	Convergence 18	16-17 march 2019	kherva	Barot Dhaval K
27	LAKSHYA 2019	14-15-16 Feb 2019	Ahmedabad	Chauhan Mahammadjuned
28	Convergence 18	16-17 march 2019	kherva	Yadav Sandeep
29	LAKSHYA 2019	14-15-16 Feb 2019	Ahmedabad	Panchal basari
30	POWERFEST 2K18	11-12 Sept 2018	Mehsana	Sadhu Ruchi
31	Product innovation	10-9-2018	Gandhinagar	Darji Hiten
32	Product innovation	10-9-2018	Gandhinagar	Kadri Rahil
33	LAKSHYA 2019	14-15-16 Feb 2019	Ahmedabad	DHRANGI KANTI
34	LAKSHYA 2019	14-15-16 Feb 2019	Ahmedabad	Gadhavi Mayur

#### MINING ENGINEERING DEPARTMENT

<b>Sr. No.</b>	<b>Name of Event</b>	<b>Date of Event</b>	<b>Venue</b>	<b>Name of students participated</b>
1.	Recent amendments and changes in mining legislations and policies	27/07/2019	GMDC, Ahmedabad	20

## K. Result Analysis

### CIVIL ENGINEERING DEPARTMENT

#### i. Overall result (Sem wise)

2018-19		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	60	5	8.33
	II Sem	57	18	31.58
SY	III Sem	59	22	37.29
	IV Sem	60	37	61.67
TY	V Sem	68	58	85.29
	VI Sem	69	61	88.41
LY	VII Sem	68	51	75.00
	VIII Sem	67	62	92.54

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

Course	Number of Students		Pass %	Name of faculty
	Appeared	Passed		
Programing for Problem Solving [PPS]	60	34	56.67	Ms. Himani Thakker
Basic Electrical Engineering [BEE]	60	21	35.00	Prof. M. R. Suneja & Prof. N. A. Mistri
Environmental Sciences [ES]	60	57	95.00	Dr. C. G. Prajapati
Engineering Graphics & Design [EG&D]	60	31	51.67	Prof.. K. V. Patel
Mathematics – I [M - I]	60	19	31.67	Ms. Bhumika Patel [VF] & Prof. R. H. Chaudhary
Induction Program[IND.PRGM]	60	60	100	All Faculty
English [ENG]	57	53	92.98	Mr. Pradip Parmar [Visiting Faculty]
Basic Civil Engineering [BCE]	57	47	82.46	Prof. R. K. Rathod, Prof. H. U. Patel & Prof. S. G. Chauhan
Basic Mechanical Engineering [BME]	57	41	71.93	Prof. A. K. Patel & Prof. A. R. Chauhdary
Physics [PHY]	57	43	75.44	Dr. K. M. Korot
Workshop/Manufacturing Practices [W/M S]	57	51	89.47	Prof. A. R. Chaudhary & Prof. J. H. Patel
Mathematics - II[M - II]	57	24	42.11	Prof. R. H. Chaudhary & Dr. F. J. Narsingani

Course	Number of Students		Pass %	Name of faculty
Advanced Engineering Mathematics [AEM]	59	30	50.85	Prof. R. H. Chaudhary & Prof. D. A. Patel
Mechanics of Solids [MOS]	59	41	69.49	Prof. P. C. Vasani & Prof. M. N. Prajapati
Design Engineering – I (A)[DE- I (A)]	59	59	100.00	Prof. H. U. Patel & Prof. R. K. Rathod
Surveying[SUR]	59	49	83.05	Prof. H. U. Patel & Prof. R. K. Rathod
Fluid Mechanics[FM]	59	55	93.22	Prof. G. M. Savaliya & Prof. S. G. Chauhan
Geotechnics & Applied Geology [GTAG]	59	44	74.58	Prof. H. B. Patel & Prof. M. N. Prajapati
Building Construction[BC]	59	42	71.19	Prof. S. G. Chauhan
Design Engineering - I (B)[DE- I (B)]	60	59	98.33	Prof. R. K. Rathod & Prof. Y. J. Chauhan
Engineering Economics and Management [EEM]	60	49	81.67	Dr. K. B. Judal & Prof. C. G. Prajapati
Advanced Surveying[Ad. Sur]	60	49	81.67	Prof. H. U. Patel & Prof. R. K. Rathod
Structural Analysis - I[SA-I]	60	49	81.67	Prof. P. C. Vasani & Prof. M. N. Prajapati
Numerical and Statistical Methods for Civil Engineering [NSCE]	60	51	85.00	Prof. R. H. Chaudhary, Prof. D. A. Patel & Dr. F. J. Narsinghani
Building and Town Planning [BTP]	60	56	93.33	Prof. S. G. Chauhan & Prof. R. K. Rathod
Concrete Technology[CT]	60	51	85.00	Prof. N. R. Kotiya & Prof. M. N. Prajapati
Design Engineering - II (A) [DE - II (A)]	68	68	100.00	Prof. S. G. Chauhan & Prof. M. N. Prajapati
Cyber Security[CS]	68	68	100.00	Ms. Himani Thakker [Visiting Faculty]
Highway Engineering [HE}	68	65	95.59	Prof. H. U. Patel & Prof. U. R. Singh
Hydrology & Water Resources Engineering [HWR]	68	65	95.59	Prof. G. M. Savaliya & Prof. R. K. Rathod
Environmental Engineering	68	62	91.18	Prof. S. G. Chauhan



Course	Number of Students		Pass %	Name of faculty
[ENV]				
Structural Analysis - II[SA - II]	68	62	91.18	Prof. Y. J. Chauhan
Soil Mechanics [SM]	68	64	94.12	Prof. N. R. Kotiya
Design Engineering - II (B)[DE-I(B)]	69	68	98.55	Prof. H. U. Patel & Prof. N. R. Kotiya
Advanced Construction & Equipments [ACE]	69	66	95.65	Prof. G. M. Savaliya
Advanced Fluid Mechanics [AFM]	69	67	97.10	Prof. G. M. Savaliya & Prof. Y. J. Chauhan
Railway, Bridge & Tunnel Engineering [RBT]	69	66	95.65	Prof. H. U. Patel & Prof. G. M. Savaliya
Water & Waste Water Engineering [WWWE]	69	67	97.10	Prof. R. K. Rathod & Prof. H. U. Patel
Elementary Structural Design [ESD]	69	64	92.75	Prof. P. C. Vasani & Prof. Y. J. Chauhan
Urban Transportation System [UTS]	69	63	91.30	Prof. S. G. Chauhan

Course	Number of Students		Pass %	Name of faculty
Project - I [PROJ. - I]	68	68	100	All Faculty
Design of Reinforced Concrete Structure [DRCS]	68	56	82.35	Prof. P. C. Vasani & Prof. G. M. Savaliya
Irrigation Engineering [IE]	68	60	88.24	Prof. U. R. Singh & Prof. R. K. Rathod
Professional Practice and Valuation	68	58	85.29	Prof. U. R. Singh
Traffic Engineering [TE]	68	59	86.76	Prof. U. R. Singh
SEMINAR	1	1	100	Prof. G. M. Savaliya
Harbour & Airport Engineering [HAE]	67	65	97.01	Dr. G. M. Savaliya, Prof. H. U. Patel & Prof. R. K. Rathod

Course	Number of Students		Pass %	Name of faculty
	67	67		
Project - II [P-II]	67	67	100	All faculty
Foundation Engineering [FE]	67	64	95.52	Prof. N. R. Kotiya
Design of Steel Structure[DSS]	67	63	94.03	Prof. Y. J. Chauhan
Construction Management[CM]	67	65	97.01	Prof. M. N. Prajapati & Prof. S. G. Chauhan

## ELECTRICAL ENGINEERING DEPARTMENT

### i. Overall result (Sem wise)

2018-19		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	45	5	10
	II Sem	45	7	15.56
SY	III Sem	65	24	36.92
	IV Sem	65	32	49.23
TY	V Sem	53	16	69.81
	VI Sem	15	41	74.55
LY	VII Sem	67	64	95.52
	VIII Sem	66	54	81.82

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

Course	Number of Students		Pass %	Name of faculty
	Appeared	Passed		
Basic Electrical Engineering	50	12	24	Prof. J. H. Patel & Prof. N. A. Mistri
Environmental Studies	50	48	96	Prof. C. G. Prajapati
Engineering Graphics & Drawing	50	17	34	Prof. A. D. Patel & Prof. N. T. Raval
Mathas - I	50	14	28	Prof. D. A. Patel
Induction Program	50	48	96	Prof. K. G. Prajapati
Physics	50	16	32	Prof. K. M. Korat
English	45	38	84.44	Prof. P.D. Parmar
Programming for Problem Solving	45	18	40	Prof. H. V. Hirvaniya & Prof. M. K. patel
Basic Mechanical Engineering	45	27	60	Prof. P. N. Boka

Course	Number of Students		Pass %	Name of faculty
Workshop/ Manufacturing Practices	45	43	95.56	Prof. B. R. Patel, Prof. A. B. Patel, Prof. V. D. Patel, Prof. K. G. Prajapati, Prof. M. K. patel
Mathematics –2	45	13	28.89	Prof. D. A. Patel & Prof. F. J. Narsingani
Basic Electronics	45	19	42.22	Prof. B. R. Patel & Prof. N. A. Mistri
Advanced Engineering Mathematics	65	39	60	Prof. D. A. Patel & Prof. R. H. Patel
Engineering Economics and Management	65	54	78.46	Prof. K. G. Prajapati & Prof. M. R. Suneja
Design Engineering - I A	65	63	96.92	Prof. H. N. Chaudhary & Prof. M. R. Suneja
Circuits and Networks	65	49	75.38	Prof. B. R. Patel & Prof. H. N. Chaudhary
Analog Electronics	65	40	61.54	Prof. M. G. Prajapati & Prof. H. N. Chaudhary
Electrical Measurement and Measuring Instruments	65	49	75.38	Prof. M. K. Patel
DC Machines and Transformer	65	41	63.08	Prof. M. D. Patel & Prof. M. G. Prajapati
Design Engineering - I B	65	62	95.38	Prof. H. N. Chaudhari & Prof. M. R. Suneja
AC Machines	65	49	75.38	Prof. M. G. Prajapati & Prof. J. H. Patel
Applied Thermal and Hydraulic Engineering	65	57	87.69	Prof. N. T. Raval
Electrical Power Generation	65	53	81.54	Prof. A. M. Patel & Prof. H. N. Chaudhari
Field Theory	65	46	70.77	Prof. H. N. Chaudhari
Digital Electronics	65	51	78.46	Prof. H. V. Hirvaniya & Prof. M. K. patel
Signals and Systems	65	41	63.08	Prof. H. V. Hirvaniya
DE - II A	53	52	98.11	Prof. K. G. Prajapati & Prof. M. G. Prajapati
Cyber Security	53	53	100	Prof. MDP, HVH, JHP, MRS
Power Electronics - I	53	49	92.45	Prof. B. R. Patel & Prof. H. N. Chaudhary
Elements Of Electrical Design	53	49	92.45	Prof. K. G. Prajapati & Prof. M. R. Suneja
Microprocessor and Microcontroller Interfacing	53	47	88.68	Prof. H. V. Hirvaniya
Electrical Power System - I	53	49	92.45	Prof. A. M. Patel & Prof. M. D. Patel

Course	Number of Students		Pass %	Name of faculty
Control System Engineering	53	45	84.91	Prof. H. V. Hirvaniya & Prof. J. H. Patel
Design Engineering - II B	55	55	100	Prof. M. G. Prajapati & Prof. J. H. Patel
Power Electronics – II	55	49	89.09	Prof. B. R. Patel & Prof. N. A. Mistri
High Voltage Engineering	55	47	85.45	Prof. M. K. Patel
Utilization of Electrical Energy and Traction	55	46	83.64	Prof. J. H. Patel & Prof. N. A. Mistri
Electrical Power system – II	55	45	81.82	Prof. K. G. Prajapati & Prof. M. R. Suneja
Design of DC Machines and Transformer	55	46	83.64	Prof. M. R. Suneja
Control of Electrical Drives	55	48	87.27	Prof. M. G. Prajapati
Project - I	67	67	100	All Faculty Member
Inter Connected Power System	67	65	97.01	Prof. A. M. Patel & Prof. K. G. Prajapati
Switch Gear And Protection	67	65	97.01	Prof. A. M. Patel & Prof. J. H. Patel
Design of AC Machines	67	67	100	Prof. M. G. Prajapati & Prof. M. R. Suneja
Industrial Instrumentation	67	66	98.51	Prof. H. V. Hirvaniya & Prof. N. A. Mistri
Testing and Commissioning of Electrical Equipments	66	66	100	Prof. M. G. Prajapati & Prof. M. R. Suneja
Power System Planning and Design	66	66	100	Prof. A. M. Patel & Prof. H. N. Chaudhary
Project	66	63	95.45	All Faculty Members
Power System Operation and Control	66	61	92.42	Prof. A. M. Patel & Prof. K. G. Prajapati
Power Quality and Management	66	58	87.88	Prof. B. R. Patel

**MECHANICAL ENGINEERING DEPARTMENT**

## i. Overall result (Sem wise)

2017-18		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	57	5	8.77
	II Sem	53	10	18.87
SY	III Sem	63	24	38.1
	IV Sem	60	41	68.33
TY	V Sem	71	57	80.28
	VI Sem	71	56	78.87
LY	VII Sem	69	65	94.2
	VIII Sem	69	69	100

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

Course	Number of Students		Pass %	Name of faculty
	Appeared	Passed		
3110004 Basic Civil Engineering	57	32	56.14	S.G.CHAUHAN R.K.RATHOD
3110007 Environment Study	57	56	98.25	C.G.PRAJAPATI
3110011 Physics	57	31	54.39	K.M.KOROT
3110013 Engineering Graphics & Design	57	20	35.09	P.N.BOKA
3110014 MATH-1	57	14	24.56	D.A.PATEL VISITING FACULTY
3110017 INDUCTION PROGRAM	57	57	100	ALL FACULTY
2130002 Advance Engineering Mathematics	63	30	47.62	R.H.CHAUDHARY
2130003 Machine of Solid	63	40	63.49	K.B.JUDAL P.C.VASANI
2130005 Design Engineering 1A	63	62	98.41	V.D.PATEL K.V.PATEL
2131903 Manufacturing Process -1	63	52	82.54	J.A.VADHER A.K.PATEL
2131904 Material Science and Metallurgy	63	45	71.43	N.T.RAVAL
2131905 Engineering Thermodynamic	63	37	58.73	V.D.PATEL N.T.RAVAL

Course	Number of Students		Pass %	Name of faculty
2131906 Kinematics of Machine	63	39	61.9	P.N.BOKA K.V.PATEL
2150001 Design Engineering2A	71	69	97.18	P.N.BOKA N.T.RAVAL
2150002 Cyber Security	71	71	100	N.A.PAEL N.T.RAVAL
2151902 Theory of Machine	71	65	91.55	P.N.BOKA A.R.CAHUDHRY
2151903 Fluid Power Engineering	71	65	91.55	A.B.PATEL A.K.PATEL
2151907 Design of Mechanical Engineering	71	66	92.96	K.V.PATEL A.D.PATEL
2151908 CONTROL E	71	67	94.37	J.A.VADHER A.R.CAHUDHRY
2151909 Heat Transfer	71	60	84.51	A.B.PATEL V.D.PATEL
2170001 PROJECT	69	69	100	ALL FACULTY
2171901 Operation Research	69	66	95.65	J.A.VADHER N.T.RAVAL
2171903 Computer Aided Manufacturing	69	69	100	J.A.VADHER N.A.PATEL
2171909 Machine Deign	69	65	94.2	A.D.PATEL P.N.BOKA
2171910 Power Plant Engineering	69	69	100	V.D.PATEL
2171912 Oil Hydraulic and Pneumatics	69	69	100	J.A.VADHER N.A.PATEL
3110002 English	53	50	94.34	VISITING FACULTY
3110003 Programing for problem solving	53	20	37.74	N.T.RAVAL VISITING FACULTY
3110005 Basic Electrical Engineering	53	26	49.06	M.R.SUNEJA N.A.MISTRI
3110006 Basic Mechanical Engineering	53	50	94.34	P.N.BOKA A.K.PATEL A.B.PATEL
3110012 Workshop	53	53	100	N.A.PATEL K.B.JUDAL A.D.PATEL
3110015 Math 2	53	17	32.08	R.H.CHAUDHARY VISITING FACULTY
2140002 Design Engineering1B	60	60	100	J.A.VADHER A.K.PATEL
2140003 Engineering	60	55	91.67	K.B.JUDAL

Course	Number of Students		Pass %	Name of faculty
Economics and Management				
2141901 Mechanical Measurement and Metrology	60	55	91.67	A.K.PATEL
2141905 Complex Variables and Numerical Method	60	48	80	D.A.PATEL
2141906 Fluid Mechanics	60	49	81.67	V.D.PATEL A.R.CHAUDHARY
2141907 Machine Design and Industrial Drafting	60	51	85	K.V.PATEL ARC
2141908 Manufacturing Process 2	60	56	93.33	A.K.PATEL
2160001 Design Engineering2B	71	69	97.18	A.B.PATEL P.N.BOKA
2161901 Dynamic of Machine	71	64	90.14	K.V.PATEL P N BOKA
2161902 Internal Combustion Engine	71	68	95.77	V.D.PATEL A.D.PATEL
2161903 Computer Aided Manufacturing	71	64	90.14	N.A.PATEL
2161907 Industrial Engineering	71	69	97.18	J.A.VADHER
2161908 Refrigeration and Air Conditioning	71	64	90.14	A.B.PATEL V.D.PATEL
2161909 Production Technology	71	67	94.37	J.A.VADHER N.A.PATEL
2181909 PROJECT2	69	69	100	ALL FACULTY
2181910 Renewable Energy Engineering	69	69	100	A.B.PATEL V.D.PATEL
2181915 Automobile Engineering	69	69	100	A.D.PATEL

**MINING ENGINEERING DEPARTMENT**

## i. Overall result (Sem wise)

2018-19		Nos. of students appeared	Nos. of students passed	Pass %
FY	I Sem	13	1	7.69
	II Sem	09	1	11.11
SY	III Sem	27	5	18.52
	IV Sem	26	6	23.08
TY	V Sem	35	26	74.29
	VI Sem	33	10	30.30
LY	VII Sem	32	21	65.63
	VIII Sem	32	20	62.50

## ii. Subject wise (with name of faculty tutor)

COURSE	NUMBER OF STUDENTS		PASS %	NAME OF FACULTY
	Appeared	Passed		
ENGLISH	09	08	88.89	P D PARMAR
PPS	13	05	38.46	H K THAKER
BASIC CIVIL ENGINEERING	13	07	53.85	R K RATHOD
ENVIRONMENTAL SCIENCE	13	13	100	Dr. C G PRAJAPATI
ENGINEERING GRAPHICS	13	02	15.38	A K PATEL
MATHS – I	13	02	15.38	D A PATEL
MATHS – II	9	01	11.11	D A PATEL/ R H CHAUDHARY
AEM	27	06	22.22	D A PATEL/ R H CHAUDHARY
MATHS - IV	26	7	26.92	D A PATEL/ R H CHAUDHARY
WORKSHOP	9	9	100	A B PATEL/ J H PATEL
MECHANICS OF SOLIDS	27	10	37.04	M N PRAJAPATI
DESIGN ENGINEERING – I A	27	24	88.89	H.B.PATEL
DESIGN ENGINEERING – I B	26	26	100	H B PATEL
BASIC MECHANICAL ENGG.	9	6	66.67	A B PATEL
BASIC ELECTRICAL ENGG.	9	3	33.33	J H PATEL
FUNDAMENTALS OF FLUID MECHANICS	27	9	33.33	G M SAVALIYA
SURVEYING	27	16	59.26	H U PATEL/ R K RATHOD



COURSE	NUMBER OF STUDENTS		PASS %	NAME OF FACULTY
	Appeared	Passed		
EEM	26	19	73.08	DR. K B JUDAL/ DR. C G PRAJAPATI
INTRODUCTION TO MINING	27	16	59.26	J.V.MODI
GEOLOGY-I	27	17	62.96	H.B.PATEL
MINE MACHINERY – I	26	18	69.23	SURAJ KUMAR
BASIC MINE SURVEYING	26	22	84.62	J.V.MODI
GEOLOGY – II	26	22	84.62	M.B.OZA
SURFACE MINE PRODUCTION	26	23	88.46	J.V.MODI
DESIGN ENGINEERING – II A	35	35	100	SURAJ KUMAR , J.V.MODI
INSTITUTE ELECTIVE – CYBER SECURITY	35	35	100	HIMANI THAKER
MINING MACHINERY – II	35	31	88.57	M.B.OZA
ROCK MECHANICS	35	31	88.57	SURAJ KUMAR
ADVANCE MINE SURVEYING	35	32	91.43	J.V.MODI
UNDERGROUND COAL MINING	35	27	77.14	M.B.OZA
ECOLOGY GEOLOGY – I	33	18	54.55	M.B.OZA
UNDERGROUND METAL MINING	33	21	63.64	J.V.MODI
MINE HAZARDS	33	18	54.55	J. D. PATEL
MINE SURFACE ENVIRONMENT	33	21	63.64	J. D. PATEL
COMPUTER APPLICATION MINING	33	33	100.00	HIMANI THAKER
MINE VENTILATION	33	22	66.67	SURAJ KUMAR
PROJECT – I	32	32	100.00	J.V.MODI, SURAJ KUMAR
ENVIRONMENT MANAGEMENT IN MINE	32	29	90.63	DR. K. M. KOROT
MINERAL PROCESSING	32	30	93.75	M.B.OZA
ROCK FRAGMENTATION	32	23	71.88	SURAJ KUMAR
MINE PLANNING	32	32	100.00	M.B.OZA
MINE LEGISLATION	32	28	87.50	J. D. PATEL
ADVANCE METHOD IN MINING	32	29	90.63	SURAJ KUMAR
MINE MINERAL AND ECONOIMCS	32	28	87.50	J. D. PATEL
MINING AND PROCESSING OF DIMENSIONAL STONE	32	31	96.88	J.V.MODI
MINE SAFETY ENGINEERING	32	32	100.00	M.B.OZA
PROJECT-II	32	28	87.50	J.V.MODI, SURAJ KUMAR
GEOLOGICAL EXPLORATION MINERAL DEPOSITS	32	21	65.63	J.V.MODI

## L. 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:

- Content (Course Covered)
- Delivery (Presentation / Explanation)
- Interaction (Handling Questions)
- Study material (Material Suggested / provided)

**Sample of feedback form is as under:**

Academic Year: Name of Faculty:	Semester: Subject:
Criteria	Grade (out of 5)
Content (Course Covered)	1/2/3/4/5
Delivery (Presentation / Explanation)	1/2/3/4/5
Interaction (Handling Questions)	1/2/3/4/5
Study material (Material Suggested / provided)	1/2/3/4/5

**Meaning of grade:**

Grade	Performance	Nos.
1 to 1.50	Poor	0
1.51 to 2.50	Average	0
2.51 to 3.50	Good	2
3.51 to 4.50	Very Good	88
4.51 to 5	Excellent	30

- ❖ Most of the faculties have scored for “very good” and “excellent” performance.
- ❖ 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. 2018-19[ODD Term]						
Sr. No.	Name of Staff	Sem.	Subject with Code	No. of Feedback	Performance/ Subject (%)	Overall Performance (%)
1	Prof.P.C.Vasani	VII	DRCS(2170607)	30	92.30%	91.26%
		III	MOS(2130003)	30	90.22%	
2	Prof. U.R.SINGH	V	HE(2150601)	30	95.00%	93.70%
		VII	PPV(2170610)	30	96.20%	
		VII	TE(2170613)	30	92.30%	
		VII	IE(2170609)	30	91.30%	
3	Prof. G.M.Savaliya	VII	DRCS(2170607)	30	93.41%	92.16%
		V	HWR(2150602)	30	90.07%	
		III	FM(2130602)	30	93.00%	
4	Prof. H.U.Patel	III	SURVEYING (2130601)	30	83.70%	90.22%
		V	HE(2150601)	30	96.73%	
5	Prof. S.G.Chauhan	III	FM(2130602)	30	75.86%	86.67%
		V	ENV(2150603)	30	89.40%	
		III	BC(2130607)	30	94.76%	
6	Prof. Y.J.Chauhan	V	SA-2(2150608)	30	86.59%	86.59%
7	Prof. N.R.Kotiya	V	SM(2150609)	30	95.48%	95.48%
8	Prof. R.K. Rathod	V	HWR(2150602)	30	83.67%	89.40%
		III	SURVEYING (2130601)	30	91.76%	
		VII	IE(2170609)	30	92.76%	
9	Prof. M.N.Prajapati	III	MOS(2130003)	30	88.90%	89.77%
		III	GTAG(2130606)	30	90.63%	
10	Prof. H. B. Patel	III	GTAG(2130606)	30	83.77%	83.77%
11	Prof.C.G. Prajapati	I	ES(3110007)	30	89.78%	89.78%
12	Prof. D. A. Patel	III	AEM(2130002)	30	90.74%	90.74%
13	Prof. R.H.Chaudhary	I	M-1(3110014)	30	92.90%	89.32%
		III	AEM(2130002)	30	85.74%	
14	Prof. H.K. Thakkar	V	CS(2150002)	30	88.00%	90.38%
		I	PPS(3110003)	30	92.76%	

A.Y. 2018-19[EVEN Term]						
Sr. No.	Name of Staff	Sem.	Subject with Code	No. of Feedback	Performance/ Subject (%)	Overall Performance (%)
1	Prof.P.C.Vasani	VI	ESD(2160607)	30	89.30%	88.26%
		IV	SA-1(2140603)	30	87.22%	
2	Prof. G.M.Savaliya	VI	ACE(2160601)	30	83.41%	89.16%
		VI	AFM(2160602)	30	92.07%	
		VI	RBT(2160603)	30	92.00%	
		VIII	HAE(2180602)	30	89.15%	
3	Prof. H.U.Patel	VI	RBT(2160603)	30	82.74%	90.38%
		VI	WWWE(2160604)	30	95.63%	
		IV	AS(2140601)	30	90.60%	
		VIII	HAE(2180602)	30	92.80%	
		II	BCE(2110004)	30	90.11%	
4	Prof. S.G.Chauhan	VI	UTS(2160608)	30	77.56%	87.36%
		II	BCE(3110004)	30	87.04%	
		IV	BTP(2140607)	30	93.85%	
		VIII	CM(2180611)	30	91.00%	
5	Prof. Y.J.Chauhan	VI	ESD(2160607)	30	86.59%	91.84%
		VIII	DSS(2180610)	30	92.50%	
		VI	AFM(2160602)	30	96.44%	
6	Prof. N.R.Kotiya	IV	CT(2140608)	30	95.48%	92.63%
		VIII	FE(2180611)	30	89.78%	
7	Prof. R. K. Rathod	IV	AS(2140601)	30	82.67%	90.13%
		II	BCE(3110004)	30	90.00%	
		VIII	HAE(2180602)	30	91.48%	
		IV	BTP(2140607)	30	91.41%	
		VI	WWWE(2160604)	30	95.07%	
8	Prof. M.N.Prajapati	IV	SA-1(2140603)	30	87.19%	88.20%
		VIII	CM(2180611)	30	87.30%	
		IV	CT(2140608)	30	90.11%	
9	Prof. C.G. Prajapati	IV	EEM(2140003)	30	79.78%	79.78%
10	Prof. A. K. Patel	II	BME(3110006)	30	79.78%	79.78%
11	Prof. P.D. Parmar	II	ENG(3110002)	30	82.67%	82.67%
12	Prof. D. A. Patel	IV	NSCE(2140606)	30	80.74%	80.74%
13	Prof. A.R.Chaudhary	II	BME(3110006)	30	79.26%	79.26%
14	Prof. K. B. Judal	IV	EEM(2140003)	30	82.89%	82.89%
15	Prof. K. M. Korot	II	PHY(3110011)	30	77.19%	77.19%
16	Prof. R.H.Chaudhary	IV	NSCE(2140606)	30	82.90%	83.82%
		II	MATHS-2 (3110015)	30	84.74%	

**ELECTRICAL ENGINEERING DEPARTMENT****Semester I**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	BEE (3110005)	Prof J H Patel	Good	Very Good	Good	Very Good	Very Good	84
2	BEE (3110005)	Prof N A Mistry	Very Good	Good	Very Good	Good	Very Good	81
3	MATHS-I 2110014	D A PATEL, F J NARSINGANI	Good	Very Good	Very Good	Good	Very Good	<b>87</b>
4	PHYSICS 2110011	K M KOROT	Good	Very Good	Good	Very Good	Very Good	<b>86</b>
5	ES 2110007	C G PRAJAPATI	Good	Very Good	Good	Very Good	Very Good	<b>86</b>

**Semester II**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	PPS (3110003)	Prof M K Patel	Very Good	Very Good	Very Good	Very Good	Very Good	89
2	B.E (3110005)	Prof B R Patel	Very Good	Very Good	Very Good	Good	Very Good	86
3	PPS (3110003)	Prof H V Hirwaniya	Good	Very Good	Very Good	Very Good	Very Good	86
4	MATHS-II 2110015	D A PATEL, F J NARSINGANI	Very Good	Very Good	Good	Good	Very Good	<b>85</b>
5	ENGLISH 2110002	P D PARMAR	Good	Very Good	Very Good	Very Good	Very Good	<b>82</b>

**Semester III**

<b>Sr. No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	EMMI (2130903)	Prof M K Patel	Very Good	Very Good	Very Good	Very Good	Very Good	88
2	CN (2130901)	Prof B R Patel	Very Good	Very Good	Very Good	Good	Very Good	88
3	AE (2130902)	Prof H N Chaudhari	Good	Very Good	Good	Very Good	Very Good	84
4	EEM (213004)	Prof K G Prajapati	Good	Very Good	Very Good	Very Good	Very Good	83
5	DCMT (2130904)	Prof M G Prajapati	Good	Very Good	Very Good	Very Good	Very Good	87
6	EMMI (2130903)	Prof M K Patel	Good	Very Good	Very Good	Very Good	Very Good	87
7	CN (2130901)	Prof H N Chaudhari	Good	Good	Very Good	Very Good	Very Good	85
8	DCMT (2130904)	Prof M D Patel	Good	Very Good	Good	Very Good	Very Good	84
9	AE (2130902)	Prof M G Prajapati	Good	Very Good	Very Good	Very Good	Very Good	88
10	AEM 213002	R H CHAUDHAR Y, D A PATEL	Very Good	Very Good	Good	Good	Very Good	84

**Semester IV**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	FT (2140909)	Prof H N Chaudhari	Good	Very Good	Very Good	Very Good	Very Good	84
2	ACM (2140906)	Prof M G Prajapati	Good	Very Good	Good	Very Good	Very Good	86
3	EPG (2140908)	Prof H N Chaudhar	Good	Very Good	Good	Very Good	Very Good	85
4	S&S (2141005)	Prof H V Hirwaniya	Very Good	Very Good	Very Good	Very Good	Very Good	88
5	ACM (2140906)	Prof J H Patel	Good	Very Good	Very Good	Very Good	Very Good	85
6	DE (2140910)	Prof M K Patel	Good	Very Good	Very Good	Very Good	Very Good	88
7	DE (2140910)	Prof H V Hirwaniya	Very Good	Very Good	Good	Good	Very Good	87
8	EPG (21409085)	Prof A M Patel	Good	Very Good	Very Good	Very Good	Very Good	86

**Semester V**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	EPS-I (2150908)	Prof A M Patel	Good	Very Good	Good	Very Good	Very Good	84
2	EED (2150904)	Prof K G Prajapati	Good	Very Good	Good	Very Good	Very Good	83
3	MMI (2140907)	Prof M K Patel	Very Good	Very Good	Very Good	Very Good	Very Good	86
4	EPS-I (2150908)	Prof M D Patel	Good	Very Good	Good	Very Good	Very Good	83
5	PE-I (2150903)	Prof B R Patel	Very Good	Very Good	Very Good	Very Good	Very Good	86
6	PE-I (2150903)	Prof H N Chaudhari	Good	Very Good	Good	Very Good	Very Good	83
7	MMI (2140907)	Prof H V Hirwaniya	Good	Very Good	Very Good	Very Good	Very Good	84
8	CSE (2150909)	Prof H V Hirwaniya	Very Good	Very Good	Good	Very Good	Very Good	85
9	CSE (2150909)	Prof J H Patel	Good	Very Good	Very Good	Very Good	Very Good	83

**Semester VI**

<b>Sr. No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	EPS-II (2160908)	Prof K G Prajapati	Good	Very Good	Very Good	Very Good	Very Good	83
2	HVE (2160904)	Prof M K Patel	Very Good	Very Good	Very Good	Good	Very Good	86
3	UEET (2160907)	Prof J H Patel	Good	Very Good	Very Good	Very Good	Very Good	85
4	CED (2160913)	Prof M G Prajapati	Very Good	Very Good	Very Good	Good	Very Good	86
5	DDCMT (2160912)	Prof M R Sunejha	Good	Very Good	Very Good	Very Good	Very Good	81
6	PE-II (2160912)	Prof N A Mistry	Good	Very Good	Very Good	Very Good	Very Good	81
7	UEET (2160907)	Prof N A Mistry	Good	Very Good	Very Good	Very Good	Very Good	82
8	EPS-II (2160908)	Prof M R Sunejha	Good	Very Good	Very Good	Very Good	Very Good	82
9	PE-II (2160912)	Prof B R Patel	Very Good	Very Good	Very Good	Very Good	Very Good	86



**Semester VII**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	DACM (2170909)	Prof M G Prajapati	Good	Very Good	Very Good	Very Good	Very Good	85
2	SGP (2170908)	Prof J H Patel	Good	Very Good	Very Good	Very Good	Very Good	85
3	SGP (2170908)	Prof A M Patel	Very Good	Very Good	Good	Good	Very Good	87
4	DACM (2170909)	Prof M R Sunejha	Good	Very Good	Very Good	Very Good	Very Good	83
5	IPS (2170901)	Prof A M Patel	Good	Very Good	Very Good	Very Good	Very Good	84
6	IPS (2170901)	Prof K G Prajapati	Very Good	Very Good	Good	Good	Very Good	84
7	II (2170913)	Prof N A Mistry	Good	Very Good	Very Good	Very Good	Very Good	82
8	II (2170913)	Prof H V Hirwaniya	Good	Very Good	Very Good	Very Good	Very Good	85

**Semester VIII**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	PSPD (2180903)	Prof A M Patel	Good	Very Good	Very Good	Very Good	Very Good	85
2	PSOC (2180909)	Prof A M Patel	Good	Very Good	Very Good	Very Good	Very Good	84
3	PSOC (2180909)	Prof K G Prajapati	Good	Good	Very Good	Very Good	Very Good	83
4	TCEE (2180901)	Prof M R Sunejha	Good	Very Good	Very Good	Very Good	Very Good	82
5	PQM (2180911)	Prof B R Patel	Good	Very Good	Very Good	Very Good	Very Good	84
6	PSPD (2180903)	Prof H N Chaudhari	Good	Good	Very Good	Very Good	Very Good	83
7	TCEE (2180901)	Prof M G Prajapati	Good	Very Good	Very Good	Very Good	Very Good	85

**MECHANICAL ENGINEERING DEPARTMENT****SEM I**

<b>Sr No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	EGD	A D PATEL P N BOKA	Very Good	Good	Very Good	Good	Very Good	<b>81</b>
2	ES	C G PRAJAPATI	Very good	Very good	Very good	Good	Very good	<b>87</b>
3	PHYSICS	K M KOROT	Very Good	Very good	Good	Very Good	Very Good	<b>87</b>
4	MATHS-I	F J NARSINGANI	Very Good	Very Good	Good	Very Good	Very Good	<b>86</b>

**SEM II**

<b>Sr No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	EME	P N BOKA A K PATEL A B PATEL	Good	Very Good	Good	Very Good	Very Good	<b>87</b>
2	PPS	N T RAVAL	Very Good	Very Good	Good	Very Good	Very Good	<b>84</b>
3	ENGLISH	SHRI P D PARMAR	Very Good	Good	Good	Very Good	Very Good	<b>86</b>
4	MATHS-II	F J NARSINGANI, R H CHAUDHARY	Very Good	Very Good	Good	Very Good	Very Good	<b>87</b>

**SEM III**

Sr No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	MSM	N T RAVAL	Very Good	Very Good	Very Good	Very Good	Very Good	86
2	KOM	P N BOKA	Good	Very Good	Very Good	Very Good	Very Good	81
3	M P - 1	A K PATEL J A VADHER	Good	Very Good	Very Good	Very Good	Very Good	84
4	MOS	K B JUDAL	Very Good	Very Good	Very Good	Very Good	Very Good	87
5	ET	V D PATEL N T RAVAL	Very Good	Very Good	Very Good	Good	Very Good	85
6	AEM	D APATEL R H CHAUDHAR Y	Good	Very Good	Good	Very Good	Very Good	85

**SEM IV**

Sr No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	MMM	A K PATEL	Good	Very Good	Very Good	Very Good	Very Good	83
2	MP-II	A K PATEL	Good	Very Good	Good	Very Good	Very Good	81
3	MDID	A R CHAUDHARI	Very Good	Very Good	Very Good	Very Good	Very Good	89
4	EEM	K B JUDAL	Very Good	Very Good	Very Good	Good	Very Good	86
5	FM	A R CHAUDHARI V D PATEL	Very Good	Good	Very Good	Good	Very Good	82
6	CVNA	D A PATEL F J NARSINGANI	Very Good	Very Good	Very Good	Good	Very Good	83

**SEM V**

<b>Sr No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	TOM	P N BOKA A R CHAUDHARY	Very Good	Very Good	Good	Good	Very Good	<b>88</b>
2	CE	J A VADHER A R CHAUDHARY	Good	Good	Very Good	Very Good	Very Good	<b>83</b>
3	DME	A D PATEL	Good	Very Good	Good	Very Good	Very Good	<b>82</b>
4	HT	A B PATEL V D PATEL	Good	Very Good	Very Good	Very Good	Very Good	<b>85</b>
5	FPE	A B PATEL A K PATEL	Good	Very Good	Very Good	Very Good	Very Good	<b>85</b>

**SEM VI**

<b>Sr No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	CAD	N A PATEL	Good	Very Good	Very Good	Very Good	Very Good	<b>86</b>
2	DOM	P N BOKA	Very Good	Good	Very Good	Good	Very Good	<b>82</b>
3	RAC	V D PATEL A B PATEL	Good	Very Good	Very Good	Very Good	Very Good	<b>88</b>
4	IE	J A VADHER	Good	Very Good	Very Good	Very Good	Very Good	<b>88</b>
5	PT	J A VADHER N A PATEL	Very Good	Good	Very Good	Very Good	Very Good	<b>87</b>
6	ICE	V D PATEL A D PATEL	Good	Very Good	Very Good	Very Good	Very Good	<b>82</b>

**SEM VII**

<b>Sr No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	CAM	N A PATEL J A VADHER	Very Good	Very Good	Very Good	Very Good	Very Good	<b>85</b>
2	PPE	V D PATEL	Good	Very Good	Good	Very Good	Very Good	<b>83</b>
3	OR	J A VADHER N T RAVAL	Very Good	Very Good	Very Good	Very Good	Very Good	<b>84</b>
4	MD	A D PATEL P N BOKA	Good	Very Good	Very Good	Very Good	Very Good	<b>83</b>
5	VD	A D PATEL P N BOKA	Good	Very Good	Good	Very Good	Very Good	<b>80</b>
6	OHP	N A PATEL J A VADHER	Good	Very Good	Very Good	Very Good	Very Good	<b>82</b>

**SEM VIII**

<b>Sr No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	REE	V D PATEL A B PATEL	Very Good	Very Good	Good	Good	Very Good	<b>81</b>
2	AUTO	A D PATEL	Good	Very Good	Good	Very Good	Very Good	<b>80</b>

**MINING ENGINEERING DEPARTMENT****Semester I**

<b>Sr. No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	EG 3110013	A K PATEL	Very Good	Good	Good	Very Good	Very Good	<b>81</b>
2	MATHS-I 3110014	D A PATEL	Very Good	Good	Very Good	Very Good	Very Good	<b>85</b>
3	Programming for Problem Solving 3110003	H K THAKER	Good	Very Good	Good	Good	Very Good	<b>81</b>
4	BCE 3110004	R K RATHOR	Very Good	Good	Good	Good	Very Good	<b>82</b>
5	ES 3110007	DR. C G PRAJAPATI	Good	Very Good	Good	Good	Very Good	<b>83</b>

**Semester II**

<b>Sr No.</b>	<b>Subject name &amp; code</b>	<b>Faculty Name</b>	<b>Content</b>	<b>Delivery</b>	<b>Interaction</b>	<b>Study material</b>	<b>Overall</b>	<b>Performance %</b>
1	BME 3110006	A B PATEL	Good	Very Good	Good	Very Good	Very Good	<b>84</b>
2	BEE 3110005	J H PATEL	Very Good	Good	Good	Very Good	Very Good	<b>84</b>
3	MATHS – II 3110015	D A PATEL	Good	Very Good	Very Good	Good	Very Good	<b>83</b>
4	CHEMISTRY 3110001	DR. C G PRAJAPATI	Very Good	Very Good	Good	Good	Very Good	<b>84</b>
5	ENGLISH 3110002	P D PARMAR	Good	Very Good	Very Good	Good	Very Good	<b>85</b>
6	WS 3110012	A B PATEL/J H PATEL	Very Good	Good	Good	Very Good	Very Good	<b>84</b>

**Semester III**

SrNo.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	AEM 2130002	D A PATEL/ R H CHAUDHARY	Good	Very Good	Very Good	Good	Very Good	<b>84</b>
2	MOS 2130003	M N PRAJAPATI	Good	Good	Very Good	Very Good	Very Good	<b>85</b>
3	GEO-I 2132203	H.B.PATEL	Very Good	Very Good	Very Good	Good	Very Good	<b>86</b>
4	IM 2132201	J.V. MODI	Very Good	Very Good	Good	Good	Very Good	<b>85</b>
5	FFM 2130101	G M SAVALIYA	Very Good	Good	Very Good	Very Good	Very Good	<b>86</b>
6	SURV 2130601	H U PATEL/R K RATHOD	Very Good	Very Good	Good	Good	Very Good	<b>84</b>
7	DE-IA 2130005	H B PATEL	Very Good	Good	Very Good	Very Good	Very Good	<b>86</b>

**Semester IV**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	MATHS- IV 2140001	R H CHAUDHARY/ D A PATEL	Good	Very Good	Very Good	Good	Very Good	<b>84</b>
2	BMS 2142202	J.V.MODI	Good	Good	Very Good	Very Good	Very Good	<b>85</b>
3	MM-I 2142201	SURAJ KUMAR	Very Good	Very Good	Good	Good	Very Good	<b>86</b>
4	SMP 2142206	J.D.PATEL	Good	Good	Good	Very Good	Very Good	<b>83</b>
5	GEO-II 2142203	H.B.PATEL, M.B.OZA	Good	Good	Very Good	Very Good	Very Good	<b>85</b>
6	EEM 2140003	DR. K B JUDAL/ DR. C G PRAJAPATI	Very Good	Very Good	Very Good	Good	Very Good	<b>85</b>
7	DE - IB	H B PATEL	Very Good	Good	Very Good	Very Good	Very Good	<b>86</b>

**Semester V**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	CS 2150002	H.K.THAKER	Very Good	Good	Good	Good	Very Good	<b>82</b>
2	AMS 2152205	J.V.MODI	Very Good	Very Good	Very Good	Good	Very Good	<b>86</b>
3	UCM 2152206	M.B.OZA	Good	Good	Very Good	Very Good	Very Good	<b>84</b>
4	RM 2152204	SURAJ KUMAR	Very Good	Very Good	Very Good	Good	Very Good	<b>86</b>
5	MM-2 2152201	J.D.PATEL	Good	Very Good	Good	Very Good	Very Good	<b>84</b>

**Semester VI**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	CAM 2162206	H.K.THAKER	Good	Very Good	Good	Very Good	Very Good	<b>83</b>
2	MSE 2162205	M.B.OZA	Good	Very Good	Very Good	Good	Very Good	<b>84</b>
3	UMM 2162202	J.V.MODI	Very Good	Good	Good	Very Good	Very Good	<b>85</b>
4	EG-I 2162201	M.B.OZA, J.D.PATEL	Very Good	Very Good	Good	Good	Very Good	<b>83</b>
5	MV 2162207	SURAJ KUMAR	Good	Very Good	Very Good	Good	Very Good	<b>85</b>
6	MH 2162204	J.D.PATEL	Good	Very Good	Very Good	Good	Very Good	<b>83</b>



**Semester VII**

Sr. No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	RF 2172207	SURAJ KUMAR	Very Good	Very Good	Good	Very Good	Very Good	<b>86</b>
2	MP 2172201	J.V.MODI	Very Good	Very Good	Very Good	Good	Very Good	<b>86</b>
3	ML 2172202	M.B.OZA	Very Good	Good	Very Good	Good	Very Good	<b>84</b>
4	EMM 2172203	K.M.KOROT	Good	Very Good	Very Good	Good	Very Good	<b>84</b>
5	MPr 2172204	J.D.PATEL	Good	Good	Very Good	Very Good	Very Good	<b>83</b>

**Semester VIII**

Sr.No.	Subject name & code	Faculty Name	Content	Delivery	Interaction	Study material	Overall	Performance %
1	MPDS 2182203	J.V.MODI	Good	Very Good	Very Good	Very Good	Very Good	<b>86</b>
2	MME 2182201	M.B.OZA	Good	Good	Very Good	Very Good	Very Good	<b>83</b>
3	AMM 2182202	SURAJ KUMAR	Very Good	Very Good	Very Good	Good	Very Good	<b>86</b>
4	MSE 2182204	J.D.PATEL	Good	Very Good	Good	Very Good	Very Good	<b>83</b>
5	GEMD 2182207	M.B.OZA, J.D.PATEL	Good	Good	Good	Very Good	Very Good	<b>82</b>

# **CO-CURRICULAR ACTIVITIES**

# CO-CURRICULAR ACTIVITIES

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## A. Induction Program

(For 1<sup>st</sup> year students)

From: 19/7/2018 to 8/8/2018

### **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.

### **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. There 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. Normal classes start only after the induction program is over. 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.

**Scheme**

Following scheme for the induction program was suggested by Gujarat technological university:

Sr. No.	Phase and Activities Heads	Weightage
1.	Initial Phase	1 day (6 Hrs)
2.	Regular Phase	13 Days
a)	Physical activity	24 Hours
b)	Creative Arts	12 Hours
c)	Universal Human Values	12 Hours
d)	Literary	12 Hours
e)	Proficiency Modules	6 Hours
f)	Lectures by Eminent People	3 Hours: 3 Expert Lectures, One per Week
g)	Visits to local Areas or Industry	1 Day
h)	Innovations	3 Hours
3.	Closing Phase	1 Day (6 Hrs)
<b>Total</b>		<b>90 Hours</b>

**Institute Induction Program Cell**

To run this program successfully Institute Induction Program Cell (IIPC) was designed on 02/06/2018 with one head and three members.

Sr. No.	Name of Officer	Designation	Position in committee
1	Prof. A. D. Patel	Asst. Professor Mech	Head
2	Prof. K. G. Prajapati	Asst. Professor Elect.	Member
3	Prof. S. G. Chauhan	Asst. Professor Civil	Member
4	Prof. Surajkumar Modi	Asst. Professor Mining	Member

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

**FDPs**

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.

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.

**Institute Time Table for Induction Program**

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

Date	Time	Mechanical	Civil	Electrical	Mining
19-07-18	10:30 to 5:10	Initial Phase (ADP/CGP)			
20-07-18	10:30 to 12:30	PM (KP)	PM (KP)	UHV (CGP)	UHV (CGP)
	1:00 to 3:00	UHV (KGP)	UHV (KGP)	PM (KP)	PM (KP)
	3:10 to 5:10	PA (KVP)	PA (SGC)	PA (AKP)	PA (JVM)
23-07-18	10:30 to 12:30	LT (DAP) BASIC MATHS	LT (DAP) BASIC MATHS	LT (NTR) DIGITAL LITERACY	LT (NTR) DIGITAL LITERACY
	1:00 to 3:00	CA (ADP)	CA (ADP)	CA (CGP)	CA (CGP)
	3:10 to 5:10	PA (ADP)	PA (KMK)	PA (CGP)	PA (JVM)
24-07-18	10:30 to 11:30	Lectures by Eminent People (CGP/KGP)			
	11:30 to 12:30	LT (DAP) VAIDIC MATHS	LT (DAP) VAIDIC MATHS	LT (ABP) ELOCUTION /DEBATE	LT (ABP) ELOCUTION /DEBATE
	1:00 to 3:00	CA (ADP)	CA (KMK)	CA (CGP)	CA (RKR)
	3:10 to 5:10	PA (ADP)	PA (KMK)	PA (KGP)	PA (CGP)
25-07-18	10:30 to 12:30	LT(NAM) G.K. QUIZ	LT(NAM) G.K. QUIZ	LT(PNB) INTERNET	LT(PNB) INTERNET
	1:00 to 3:00	CA (ABP)	CA (KMK)	CA (CGP)	CA (AKP)
	3:10 to 5:10	PA (ADP)	PA (KMK)	PA (MRS)	PA (CGP)
26-07-18	10:30 to 12:30	PM (KP)	PM (KP)	UHV (CGP)	UHV (CGP)
	1:00 to 3:00	UHV (ADP)	UHV (ADP)	PM (KP)	PM (KP)
	3:10 to 5:10	PA (KVP)	PA (SGC)	PA (KGP)	PA (PNB)
27-07-18	Full Day	Visit to local Areas or Industry (ADP/KGP/SGC/JVM)			

## Co-curricular activities

30-07-18	10:30 to 12:30	PM (KP)	PM (KP)	UHV (KBJ)	UHV (KBJ)
	1:00 to 3:00	UHV (ADP)	UHV (ADP)	PM (KP)	PM (KP)
	3:10 to 5:10	PA (ADP)	PA (KMK)	PA (NAM)	PA (JVM)
31-07-18	10:30 to 12:30	LT (CGP) ELOCUTION /DEBATE	LT (CGP) ELOCUTION /DEBATE	CA (SGC)	CA (SGC)
	1:00 to 3:00	CA (ADP)	CA (KMK)	LT (RHC) BASIC MATHS	LT (RHC) BASIC MATHS
	3:10 to 5:10	PA (ADP)	PA (KMK)	PA (KGP)	PA (CGP)
01-08-18	10:30 to 11:30	Innovations (Lecture by senior faculty) (ADP)			
	11:30 to 12:30	Showing videos demonstrating innovative technology/Products) (ADP)			
	1:00 to 3:00	UHV (ADP)	UHV (ADP)	UHV (CGP)	UHV (CGP)
	3:10 to 5:10	PA (ARC)	PA (KMK)	PA (MRS)	PA (VDP)
02-08-18	10:30 to 12:30	LT (PNB) INTERNET	LT (PNB) INTERNET	UHV (CGP)	UHV (CGP)
	1:00 to 3:00	UHV (ADP)	UHV (ADP)	LT (RHC) VAIDIC MATHS	LT (RHC) VAIDIC MATHS
	3:10 to 5:10	PA (AKP)	PA (SGC)	PA (KGP)	PA (CGP)
03-08-18	10:30 to 11:30	Lectures by Eminent People (ADP/CGP)			
	11:30 to 12:30	LT (MRS) SCINTIFIC CALCULATOR	LT (MRS) SCINTIFIC CALCULATOR	LT (KVP) SCINTIFIC CALCULATOR	LT (KVP) SCINTIFIC CALCULATOR
	1:00 to 3:00	CA (KMK)	CA (KMK)	CA (CGP)	CA (CGP)
	3:10 to 5:10	PA (ADP)	PA (SGC)	PA (CGP)	PA (JVM)
06-08-18	10:30 to 12:30	LT(NTR) DIGITAL LITERACY	LT(NTR) DIGITAL LITERACY	LT(NAM) G.K. QUIZ	LT(NAM) G.K. QUIZ
	1:00 to 3:00	CA (ADP)	CA (KMK)	CA (MRS)	CA (CGP)

	3:10 to 5:10	PA (PNB)	PA (KMK)	PA (CGP)	PA (JVM)
07-08- 18	10:30 to 11:30	Lectures by Eminent People (ADP/CGP)			
	11:30 to 12:30	Innovations (1. Awareness regarding SSIP - NAP 2. Awareness regarding Entrepreneurship - PNB)			
	1:00 to 3:00	UHV (ADP)	UHV (ADP)	UHV (CGP)	UHV (CGP)
	3:10 to 5:10	PA (RKR)	PA (KMK)	PA (KGP)	PA (AKP)
08-08- 18	10:30 to 5:10	Closing Phase (ADP/CGP)			

Each and Every activity was conducted and monitored.

### Activities Performed during Induction Program

#### 1. Initial Phase (First Day)

Following are the activities which were carried on the first day (19/7/2018):

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

Detailed schedule was as under:

Sr. No.	Information	Name of Staff	Time (min.)
1	Prarthana	-	10:30 to 10:35
2	GTU Anthem	-	10:35 to 10:40
3	College documentary	-	10:40 to 10:45
4	NSS documentary	Prof. C. G. Prajapati	10:45 to 10:50
5	Welcome speech	Prof. A. D. Patel	10:50 to 10:55
6	Occasional Speech	Principal sir	10:55 to 11:15
7	Registration process	Prof. V. D. Patel/ Mr. Girishbhai	11:15 to 12:30
8	Recess	-	12:30 to 1:30
9	Know Hostel	Dr. J. A. Vadher/ Prof. A. B. Patel	1:30 to 1:45
10	Know your University	Prof. K. M. Korot	1:45 to 2:00
11	Scholarship information	Prof. K.G.Prajapati	2:00 to 2:15
12	Information about student diary and Induction program	Prof. A. D. Patel	2:15 to 2:30
13	Know your Department/Institute	Orientation	2:30 to 3:30



## 2. Regular phase (13 days - 20/7/18 to 7/7/18)

The Regular Phase was of 13 days, each day was of 6 hours. It covered all the 8 different activity modules.

### (a) Physical Activity

Following activities were covered for 24 hours.

- i. Daily for 15 min parade session was held to teach discipline, power of unity and manner to the students.
- ii. Every day for 30 min various yard work, tree plantation, tree/plant maintenance, Gardening, cleanliness etc.
- iii. Two session for the awareness regarding how and why to do Yoga was planned. Mr. Prabhudas (Yog expert) was invited.
- iv. Various outdoor Sports and Indoor Games like મંડલ અંદર, વિષ-અમૃત, ઝેરી દેડકો, કબડ્ડી, ખો, મેદાન, etc. were Included. Students were enjoyed these all games very much.





Creative Arts

Following activities were covered for 12 hours:

- i. On the very first day of this activity all the students were bifurcated as per their area of interest. Selected arts were Drawing/Painting, flute, Dance, Singing and Drama. Demonstrated the story of leaders with the context of how with their creative vision, with all odds they achieved success.



- ii. Group of 10 senior students was formed to carry out these five arts who are having lead in the same.



During this activity students had got good exposure to their artist ability, creativity and imagination. One group of students had written a script for one drama named “शहादत जंग और परीवार”. Students were equipped with tools and techniques.

(b) Universal Human Values

Following activities were covered for 12 hours:

- i. Showing Motivational Movie “Arunima Sinha: On top of the world”.
- ii. Students made aware regarding environmental issues and remedies

- iii. 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.
- iv. Autobiography of A.P.J. Abdul kalam and Gandhiji were discussed who practiced universal human values in their life and work.
- v. Conducted universal human values group discussions.



### (c) Literary

Following activities were covered for 12 hours:

- i. Digital literacy
- ii. Use of Internet
- iii. Basic Mathematics for Solving Real World Problems
- iv. Use of Scientific Calculator in Engineering
- v. General Knowledge Quiz Competition (60 questions for 1hr)
- vi. Vedic Mathematics
- vii. Reading/writing/speaking/listening
- viii. 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.

### (d) Proficiency modules

Following activities were covered for 6 hours:

- i. To conduct this module English teacher was hired from external source.
- ii. 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.
- iii. Learnt them vocabulary, idioms, and expressions and understand their meanings in context.
- iv. Developed ability to write a paragraph about general topics by using the English language correctly.

- v. Students are mentored to improve in English language according to his/her proficiency level based on test.
- vi. Students were directed to see documentary and played a language games.
- vii. One session of essay and story writing was conducted.



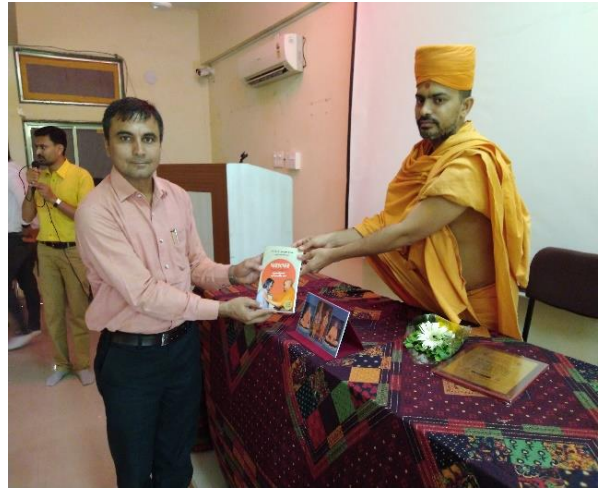
(e) Lectures by Eminent people

Three lectures each of 1 hour were arranged during induction program.

- i. On 27/7/18 talk of Mr. Safin Hasan was planned, who is UPSC qualified candidate coming from poor family. He shared his journey from schooling to current level position. He shared his struggle, his life and motivated students to achieve the target. “There is no option of hard work to became successful in life”, told Safin. 3/8/18 and 87/8/18.



- ii. On 3/8/2018, as an eminent people Dr. Sachin was invited. He is from International Center of BRAHMAKUMARI-Mount Abu. He is an international speaker. There was a first speech for him in Gujarat and is in our college. He had equipped the students with the knowledge of inherent capability and Restrain. He explained actual meaning of BRAHMACHARYA. “By following this BRAHMACHARYA students can concentrated in his/her study”, told Dr. Sachin.



iii. On 7/8/2018 session on “**the Goal**” was planned and delivered by swami Adarshwarup from BAPS Mahesana. “What should be the goal, how to fix it and how to reach to the goal”, explained by Swamiji. That was very meaningful speech for this diverted generation.

(f) Visit to Local Area and Industry

i. On 27/7/2018 for full day visit to local area and Industry was arranged. Total 76 students of mechanical and electrical department were visited banas dairy. Prof. A. D. Patel and Prof. K. G. Prajapati had accompany the students. They visited cheese plant, packing plant, boiler section and substation division.



ii. 42 students of civil department were visited the site Radhe Villa Bungalows. Radhe Villa is located near the Gayatri Temple and Hello Point Hotel on the Abu Highway in Palanpur city. Prof. S. G. Chauhan had accompany the students. During this visit, students were very excited. They have got exposor of role of civil engineer in construction area. He was very happy. There was a nice question-answer session between students and contractor & engineer posted there. “This site is of 3BHK Duplex Bungalows having R.C.C. frame structure and Earthquake proof structure”, Said engineer Bharatbhai.



iii. Visit for the students of mining department was organized at Ashirwad marbles for understanding cutting, grinding and polishing of marble and granite blocks which were carried out from the nearby mines of Palanpur. There were various machineries for handling the block to cut that blocks in to required size of slice for its effective use. The students eagerly observed all the units with its real time operations. Prof. Suraj had accompany the students.



During visit students were exposed in their field of engineering and are realized the actual field work.

#### (g) Innovation

Three hours session under innovation were arranged.

- i. On 1/8/208 from 10:30 to 12:30 lecture was delivered by Prof. P. C. Vasani, Head of civil depart. He focused on awareness about innovative and modern practices and products in particular discipline. "Personality and Vision are the key nodes of innovator", He told.



ii. On 7/8/2018 from 11:30 to 12:00, Prof. N. A. Patel had made students aware regarding SSIP Scheme of Government of Gujarat. He created awareness about support available for start-up and innovation from SSIP cell. Mr. Patel is coordinator of SSIP cell of this institute.

iii. On 7/8/2018 from 12:00 to 12:30, Prof. P. N. Boka had introduced the students about Entrepreneurship. “Who can apply, How to apply, and what are the government Policy documents for different schemes for Entrepreneurship.” He discussed. “Rather than becoming a job holder, be a job donor”, He motivated.

### 3. Closing Phase (Last Day )

Following are the activities which were carried on the last day (8/8/2018):

- 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.
- Students were addressed by HODs regarding branch/discipline and career option in respective branch.



- There was a feedback session regarding the way by which induction program conducted in the institute. 12 students from all branches 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. Personality Developments

Following programs have been arranged for personality development of students

### 1) LIFE BUILDING AND CAREER GUIDANCE (GPSC SEMINAR)

Life Building and Career guidance seminar had arranged by NSS of GEC, Palanpur and on 05-04-2018 at GEC, Palanpur by Motivational Speaker Ajaybhai , Carreer Guidance and motivation is given by GPSC cracked and appointed as DC and Dy. SP , More than 200 students got the benefit of this seminar.





2) *DISASTER MANAGEMENT AND RESCUE OPERATION*

Seminar on Disaster Management and Rescue Operation to be held on GEC Palanpur by NSS UNIT at college on 10-08-2018. Students participated and got the benefit of this seminar. In this seminar Invitee talks on the very important keys on Disaster and Rescue Operation. Invitee gave live demonstration for the Rescue Operation in Disaster. In this above Workshop more than 210 students involved.



3) *MOTIVATIONAL SEMINAR BY PANKAJ MAL :*

One Motivational talk delivered by Shri Pankaj Mal had arranged at our institute for motivate the Students of our college on 08-01-2019. How can we become success in our life through Hardwork and do the best in our own field. In this above seminar more than 100 students and faculty got the benefit of this seminar.



### C. Career Guidance/Gate Counselling/Mock Interview

A seminar on GATE/PSU's, Private and Government jobs by ICE Team was coordinated by Prof. G. M. Savaliya, under CAREER DEVELOPMENT CELL (Part of training and placement cell) on 8th August 2018. They guide 200 the students about the significance of GATE. The team also gave an overlook on importance of GATE in Public Service Sectors (PSU). Institute students got the benefited by organiswed lecture. Faculty coordinators from different department coordinated the program successfully.

#### **Focus of the Lecture:**

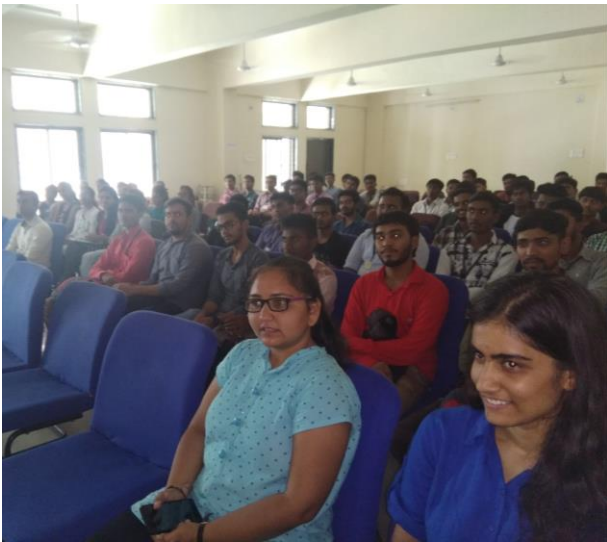
- a) Eligibility criteria for GATE.
- b) GATE preparation.
- c) Various Opportunities after Cracking GATE exams.
- d) Scholarships after Qualifying in GATE.
- e) Various Opportunities in PSU's through GATE exam.
- f) More than 100students get the benefit of this lecture in new seminar hall.

### D. Finishing School

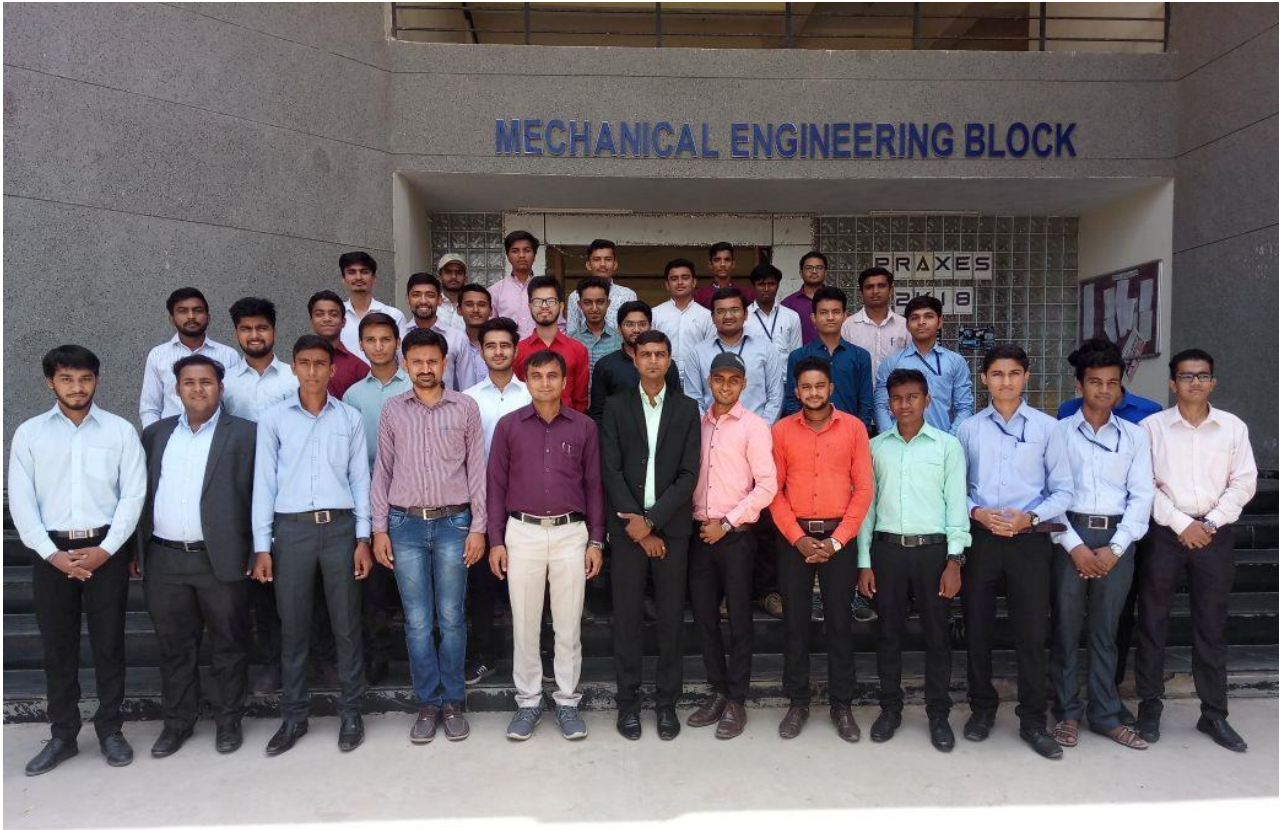
Institute has organized first set of 25 hours skill development training through finishing school. Our college allocated first set of twenty five hours of training in six batches and total 237 students took participated. The registered students have participated in the first twenty five hours training. This initiation was welcomed by our students and they participated actively in the all the session's. These sessions were lead by empanelled trainers who executed the assigned task in most interactive way. The topics covered were mainly focused *Observation & Concentration, Self Discipline, Introduction one self, Asking & Answering Questions, Everyday English, Building Vocabulary, Self Confidence, Commitment, Framing & Using variety of Sentences, Presentation Skills, Body Language, Developing a paragraph, Grooming & Personal Hygiene, Self Awareness – SWOT, Telephone etiquette, Self Esteem, Empathy, Critical Thinking, Professional Goal setting, Life Goal setting, Stress Management, Negotiation skill, Leadership Skill* and engaging themselves for further enhancement with self-consciousness for speaking third language.

Institute has organized second set of 25 hours skill development training through finishing school. Our college allocated second set of twenty five hours of training in four batches. The topics covered were mainly focused on *Self Esteem, Critical Thinking, Problem solving & Decision making, Team Work , Etiquette and Efficiency, Planning and Organizational Skills, Grooming and Personal Hygiene, Interview Skills and Professional Ethics, Group Discussion, Leadership* etc. The photographs of the training are attached herewith.

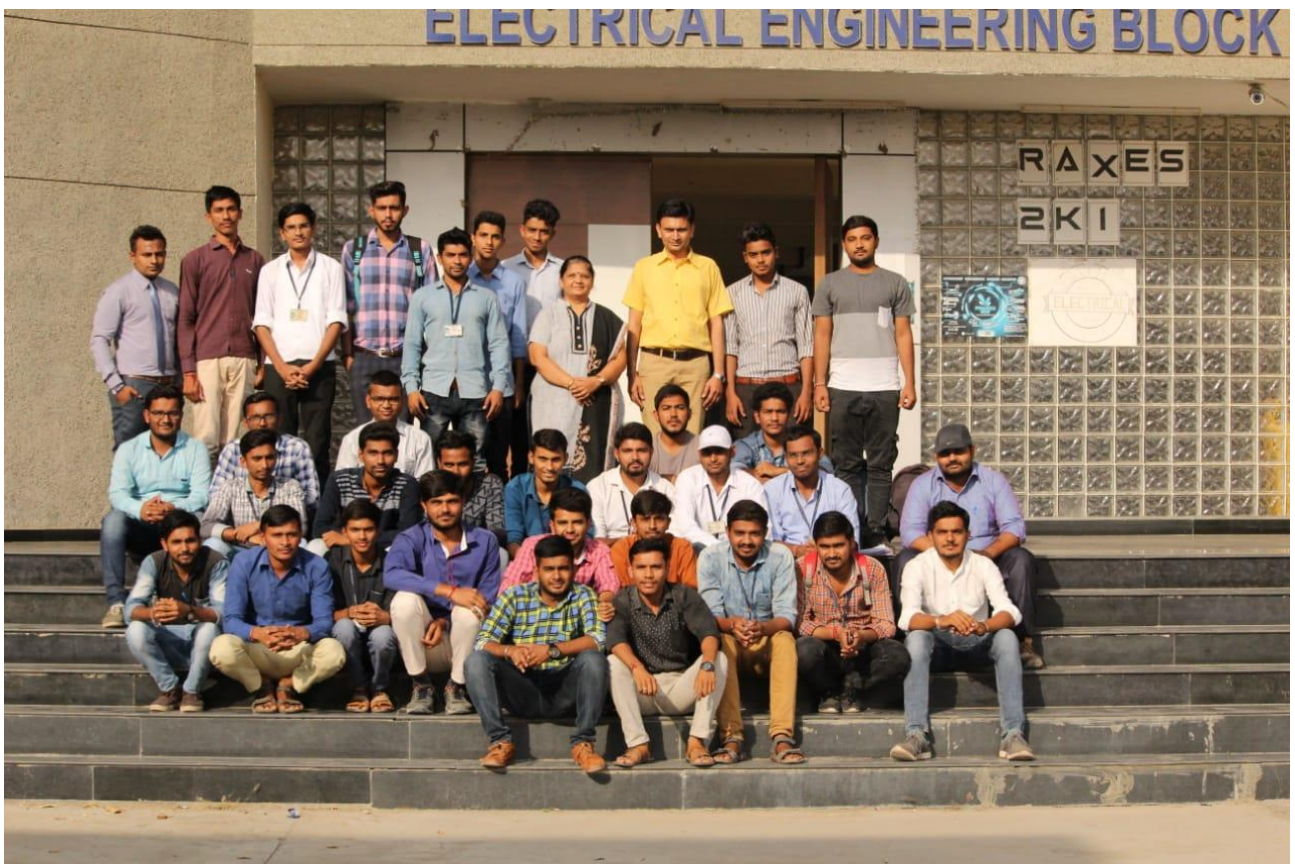
The photographs of the training are attached herewith.







### Group Photos



## E. Open House/Tech Events/Poster Presentations/Tech Days

### A Project Exhibition

#### Preface:

A Project Exhibition is organized at central level of Government Engineering College, Palanpur on 15<sup>th</sup> March 2018. The project exhibition is a great opportunity for students to take exposure about the new innovations and thinking like young scientists. Expert from other institute were invited not only to evaluate projects but also interact and guide students for enhancement of knowledge. Hands-on exploration of interaction was exciting and the educational benefits are plentiful as students develop their skills in problem-solving and creative thinking.

#### Purpose:

1. The main aim of project exhibition 2018 is to provide a platform to students where they can demonstrate their ideas to guests from various industries, institutes, faculty members and students.
2. The other purpose of project exhibition was to give the exposure of final year projects to pre Final Year (3rd year) students so they can primarily ideate their area for project work and innovate new things for industries in their project.

### 1. EVENT DETAILS

Date	28 <sup>th</sup> February 2019
Place	Workshop , Government Engineering College, Palanpur
Time	10:30 AM Onwards
Principal	Dr. K B Judal
Head of The Department	1. Dr J A Vadher (Mechanical Department) 2. Prof P C Vasani (Civil Department) 3. Prof B R Patel (Electrical Department ) 4. Prof H B Patel ( Mining & General Department)
GIC Cordinator	Prof N A Patel ( Mechanical Deaprtment)
GIC Co-Cordiantor	1. Prof H V Hirvaniya ( Electrical Departmennt) 2. Prof. R. K. Rathod (Civil Department) 3. Prof J V Modi( Mining Department) 4. Prof N T Raval ( Mechanical Deaprtment)
Nos. of Project Teams	48
Expert ( Academics)	1. Prof. A N Patel ( Assistant Professor- Electrical Engineering, GEC Patan) 2. Prof. U R Singh (Assistant Professor- Civill Engineering, VGEC Chandkheda) 3. Prof. M L Patel ( Assistant Professor- Electronics and Communication Department, GEC Patan)

## 2. Branch Wise Project Teams and Expert Reviews:

### • Department of Mechanical Engineering

#### Section 1- Introduction

No. of Projects: 17

No of Students: 65

#### Evaluation Committee:

Head of Department: Dr. J A Vadher

Guest from Institute: Prof. A. N. Patel (Assistant Professor- Electrical Engineering, GEC, Patan)

Project Coordinator: Prof. N. T. Raval

#### Section 2- Top Three Projects

Rank	Project Title	Enrollment	Team Members
1	<b>Design and Development of Spot Welding Robot</b>	150610119050	Prajapati Dashrathkumar B.
		150610119029	Modi Sandip H.
		150610119052	Prajapati Jignesh R.
		150610119032	Panchal Chintan K.
2	<b>Water Lifting Using Archimedes Screw Concept – A Way to Save Electricity</b>	150610119046	Patel Sujitkumar C
		150610119065	Gaurav Razra
		150610119011	Chaudhary Rohit R.
		150610119017	Akshay Dhar
3	<b>To Design the system for Prediction of Breakage of Clutch Wire or Break Wire in two Wheeler.</b>	150610119060	Shaikh Fayajahemad S.
		150610119058	Rana Mitesh D.
		150610119059	Sankhala Pradip H.
		150610119063	Thakor Mahesh K.

#### Section 3- Reviews

##### Expert Reviews:

- Experts find that most of the projects are innovative in nature and can use for real applications.
- Experts appreciate the efforts of GTU Innovation Council and institute for arranging such kind of event
- Experts advise to make a real model that can be directly used to real life problem
- Experts advise that innovative ideas should be patented

## • Department of Electrical Engineering

### Section 1- Introduction

No. of Projects: 18

No of Students: 71

#### Evaluation Committee:

Head of Department: Prof. B R Patel

Guest from Institute: Prof. A. N. Patel (Assistant Professor- Electrical Engineering, GEC, Patan)

Project Coordinator: Prof. N A Mistri

### Section 2- Top Three Projects

Rank	Project Title	Enrollment	Team Members
1	<b>GUI BASED OVERCURRENT RELAY</b>	150610109003	BHANUSHALI MANOJ V
		150610109009	MAMTORA DIPAK K
		150610109021	PANCHAL SAMIR B
		140610109039	PATEL KISHAN B
2	<b>RASPBERRY PI BASED READER FOR BLIND</b>	150610109011	GADHAVI RAVIRAJ M.
		150610109034	PATEL NEEL K.
		150610109025	PARMAR REENA M.
		150610109020	NINAMA SMIT R.
3	<b>SOLAR VEHICLE</b>	150610109027	PATEL BINAV M.
		150610109028	PATEL HARSH B.
		150610109032	PATEL MARGIN D.
		150610109033	PATEL MEET J.

### Section 2- Reviews

#### Expert Reviews:

- Experts find that most of the projects are innovative in nature and can use for real applications.
- Experts appreciate the efforts of GTU Innovation Council and institute for arranging such kind of event
- Experts advise to make a real model that can be directly used to real life problem
- Experts advise that innovative ideas should be patented



## • Department of Civil Engineering

### Section 1- Introduction

No. of Projects: 13

No of Students: 68

#### Evaluation Committee:

Head of Department: Prof. P. C. Vasani

Guest from Institute: Prof. U. R. Singh (Assistant Professor- Civill Engineering, VGEC Chandkheda)

Project Coordinator: Prof. G. M. Savaliya

### Section 2- Top Three Projects

Rank	Project Title	Enrollment	Team Members
1	<b>Pedestrian Flow Analysis In Educational Landuse</b>	150610106050	RAVAL AAKASH NAVINCHANDRA
		150610106001	BHAVSAR DHARMIKKUMAR KAUSHIKKUMAR
		150610106046	PRAJAPATI SHRAVANBHAI VALABHAI
		150610106010	CHAUDHRI MUKESHBHAI KARSHANBHAI
		150610106051	RAYGOR LAXMANBHAI SHANKARLAL
2	<b>Design Of Sewerage System And Waste Water Treatment Plant - A Case Study Of Palanpur City</b>	160613106015	RAVAL PARTH BHUPENDRABHAI
		150610106043	PRAJAPATI PARSHOTAMBHAI AMBALAL
		160613106010	PRAJAPATI AKSHAYKUMAR BABUBHAI
		160613106012	PRAJAPATI CHETAN MAVAJI
		160613106013	PRAJAPATI DINESH MANJI
		160613106016	SONI DARSHANKUMAR VINODBHAI
3	<b>Replacement Of Cement By Using Fly Ash In Concrete</b>	150610106022	NINAMA KETANKUMAR
		150610106002	CHAUDHARI DIVYANGKUMAR VIJAYBHAI
		150610106023	NIRALKUMAR CHAUDHARI
		150610106015	GAMIT ANILKUMAR NAVALBHAI
		150610106016	GAMIT JOSEPHBHAI PILAJIBHAI

### Section 2- Reviews

#### Expert Reviews:

- Experts find that most of the projects are innovative in nature and can use for real applications.
- Experts appreciate the efforts of GTU Innovation Council and institute for arranging such kind of event
- Experts advise to make a real model that can be directly used to real life problem
- Experts advise that innovative ideas should be patented

## • Department of Mining Engineering

### Section 1- Introduction

No. of Projects: 05

No of Students: 32

#### Evaluation Committee:

Head of Department: Prof. H B Patel

Guest from Institute: Prof. M L Patel ( Assistant Professor- Electronics and Communication  
Department, GEC Patan)

Project Coordinator: Prof. J V Modi

### Section 2- Top Three Projects

Rank	Project Title	Enrollment	Team Members
1	<b>Production of Brick from Marble Waste Powder</b>	150610122007	Bhargav Fency V.
		150610122008	Chadokiya Dhruvika
		150610122033	Patel Jigneshkumar M.
		150610122046	Roy Malaykumar R.
		150610122026	Nagar Kishankumar D.
2	<b>Arrangement of Solar Panel in Belt Conveyor</b>	150610122009	Chaudhari Dhavalkumar D.
		150610122012	Chaudhary Bharatbhai M.
		150610122001	Rajput Akash B.
		150610122029	Nayi Brijeshkumar S.
		140610122007	Chaudhary Jayminkumar M.
3	<b>Productivity and Applicability of di-calcium Phosphate (DCP)</b>	150610122018	Chauhan Daksheshkumar S.
		150610122040	Prajapati kuldeepkumar A.
		150610122015	Chaudhary Palkesh R.
		140610122025	Karen Ketankumar N.
		130610122039	Qureshi Mohammedzuber M.

### Section 2- Reviews

#### Expert Reviews:

- Experts find that most of the projects are innovative in nature and can use for real applications.
- Experts appreciate the efforts of GTU Innovation Council and institute for arranging such kind of event
- Experts advise to make a real model that can be directly used to real life problem
- Experts advise that innovative ideas should be patented

### 3. Feedback from experts

Experts invited from Government Engineering College, Patan evaluated the project of the final year students. The experts appreciated the work done by the students. Experts motivated the students to convert their projects into end product. Experts had given guidance to the students about their working model and suggested some changes to make it more viable and useful for the society. The expert selected best 3 Projects from all departments based on their usefulness to the society and efforts students have done the projects for innovations.

### 4. Feedback from final year teams/students

Project Exhibition is organized by all the departments of Government Engineering College, Palanpur on 15th March, 2018. It was very innovative & useful to us as well as to our juniors because all the projects of department were in display to all the students in campus and by which many of the juniors must have got some new better ideas to prepare their projects in next year. In this event we demonstrated and represented our work in form of running model in front of Internal and External panel of Evaluator. Project exhibition which was conducted by our college was very appreciable and we got to learn many practical things from it. It was an excellent experience to demonstrate work in front of expert and other review panel. The expert who has come here is given us more ideas to develop our project in even better manner. Their valuable suggestions have really remained very useful for us. We learned many things from them. I hope such events are organized every year in our college.

### 5. Feedback from faculty members

This event is a podium for the final year students to show their hard work of 1 year in which they worked hard under the guidance of faculty guide & built their projects. An expert takes a look & gives them a feedback by which they can even more improvise in their project before the external examination. I feel it's a really useful exhibition which our college is organizing every year in our campus. Good efforts by the students to compete in this corporate world. Good team work had seen during this event.



## Students Demonstrating Projects to Experts





## 7. Feedback from 3rd year students

Project exhibition which was conducted by our college we observed the projects and it was very appreciable and we got to learn many practical things from it. We have gained a many ideas and it may be very useful for us in deciding projects in final year. We have also found the way to make the ideas to be implemented. Some of the ideas can also be extended at larger scale

## 8. Key Insight, Benefits and Learning from the Events

- This kind of Project Exhibition/fair helps students to build confidence and give platform to present their ideas..
- They feel pride that their work is appreciated by others and can get positive reviews from others.
- By suggestions from other than their guide will help them for future projects either of master or certain other government sponsored.
- They are getting able to market their project by good explanation.
- Industry – Institutions interaction may become strong.
- 3rd year students can get guideline for their future actions.

## F. Entrepreneurship Development Initiatives

### Introduction

The Centre for Entrepreneurship Development (CED)-A Government of Gujarat Organisation is the 1st of this kind in the country, established in 1979, engaged in promoting Skill and Entrepreneurship across the state of Gujarat. **Concept behind CED is to develop entrepreneurs in the urban as well as rural areas of the state, who can establish their own Enterprise (Trading/Service/Manufacturing) which in turn aids in economic growth of the state and also creates employment opportunities for others.**

*"Now a days in the era of cut throat competition there is a limited scope of job opportunities hence it is very essential to think over other alternative options. An individual can become self reliant and economically sound when he put his 100% efforts in the different direction of Self Employment."*

### Objectives:

- To sensitize BE students to be an entrepreneur and contribute to GDP of the Country.
- To inculcate Entrepreneurship skills in Students of GEC Palanpur.

### Establishment:

Government Engineering College, Palanpur has developed Entrepreneurship Development Cell (EDC) with programme Coordinator and two members on 01/07/2017. Institute has applied for District level Entrepreneurship Development Centre on 21th November, 2017. On 19<sup>th</sup> December, 2017 "The Centre for Entrepreneurship Development, Ahmedabad" (CED) was became agree to support us as knowledge partner for business counseling cell named has Entrepreneurship Development Cell (EDC).

In order to activate the cell, on 23<sup>rd</sup> January, 2017, A "Training of Trainers" was organized by CED, Ahmedabad. Prof. P. N. Boka, Prof. A. D. Patel and Prof. A. R. Chaudhari had attended the training.

CED, Ahmedabad had organized interactive meet of **the Programme Coordinator at CED Campus, Naroda GIDC, Naroda, Ahmedabad on 17<sup>th</sup> May, 2018.** Prof. P. N. Boka had attended this meeting. CED have appointed handholding support agency M/s Aark Infosoft Pvt. Ltd.(now called agency) which will provide hand holding support to our institute in promoting Entrepreneurship Development Programme, will give hand holding support to trainees of CED and trainees of our E.D Cell for Project identification, preparation of Project report, submission and sanction of bank loan and subsidy etc.

We have organized 15 Day's training programme during 09th April to 25th April 2019, there are 30 students participated in this training and out of these 25 are successfully completed the training. According to guidelines of Centre for Entrepreneurship Development Cell, Naroda (CED) We have covered 24 different-different subjects through experts from different areas of Gujarat state.



**Day to Day Photos of EDP M-II with sessions conducted by Expert Faculty**



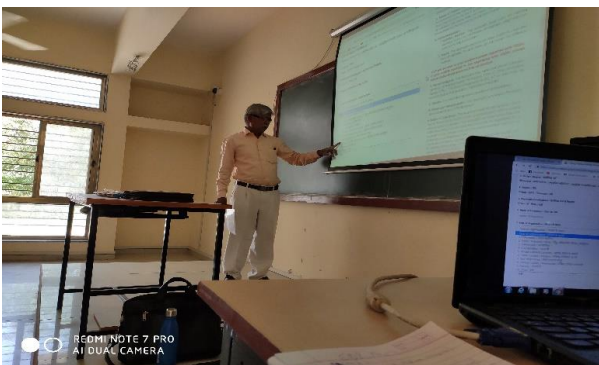
**Date:09/04/2019, Inauguration of EDP Module-2 “Principal of GECP, Dr. K B Judal”**



**Date:10/04/2019, Session conduct by “Mr. A R Chaudhari”**



**Date:11/04/2019, Session conduct by “Mr. A D Patel”**



**Date:12/04/2019, Session conduct by “Mr. Suresh Cristian”**



**Date:13/04/2019, Session conduct by “Mr. Dharmesh Thaker”**



**Date:15/04/2019, Session conduct by “Mrs. Pushpsmita Singh”**



**Date:16/04/2019, Session conduct by “Mrs. Pushpsmita Singh & Mr. V. D. Patel”**



**Date:17/04/2019, Session conduct by “Mrs. Nita Pathak & Mr. P. N. Boka”**

Co-curricular activities



**Date:19/04/2019, Session conduct by “Mr. Yuvraj K. Vyas”**



**Date:20/04/2019, Factory Visit at “Ihsedu Agrochem Pvt. Ltd.”**



**Date:24/04/2019, Session conduct by “Mr. Chirag Patel”**



**Date:25/04/2019, Session conduct by DIC, Banaskantha**

## G. Summer Training

Sr No.	Name of Industry	Date	Duration	No. of Student	Department
1	Everlast Aluminium Pvt. Ltd.	01/01/2019 to 15/01/2019	15 Days	3	Electrical
2	Shri Bhagwati Oil Mill	17/12/2018 to 29/12/2018	13 Days	1	Electrical
3	GETCO Deesa	30/06/2018 to 14/07/2018	15 Days	2	Electrical
4	Saurashtra Cement Ltd	01/12/2018 to 14/12/2018	14 Days	1	Electrical
5	GETCO Palanpur	30/06/2018 to 14/07/2018	15 Days	2	Electrical
6	GSECL Gandhinagar	16/07/2018 to 28/07/2018	13 Days	9	Electrical
7	Royal Castor Products Limited	29/05/2018 to 04/06/2018	7 Days	3	Electrical
8	UGVCL Patan	29/05/2018 to 04/06/2018	7 Days	4	Electrical
9	B & C Energy Infra Ltd	21/05/2018 to 03/06/2018	7 Days	6	Electrical
10	L & T Construction	01/06/2019 to 16/06/2019	16 Days	1	Electrical
1	Grasim Industry Limited	04/06/19 to 15/06/19	2 week	2	Mechanical

## Co-curricular activities

Sr No.	Name of Industry	Date	Duration	No. of Student	Department
2	Banaskantha District Co-operative Milk Producers' Union Ltd., Banas Dairy	11/06/19 to 16/06/19	1 week	5	Mechanical
3	Riya Hyundai	01/06/19 to 15/06/19	2 week	1	Mechanical
1	GMDC (Mata no madh)	09/06/2018 – 17/06/2018	9 days	4	Mining
2	GMDC (Mata no madh) Kutchh	12/12/2018 – 28/12/2018	17 days	6	Mining
Sr No.	Name of Industry	Date	Duration	No. of Student	Department
1	AJAY ENG.INFRASTRUCTURE PVT LTD.	04/06/2019 to 15/06/2019	12 Days	3	Civil
2	Angan Villa Residency	01/06/2019 to 15/06/2019	15 Days	7	Civil
3	Associate Construction Co.	01/06/2019 to 15/06/2019	15 Days	1	Civil
4	G. P. C. Infrastructure Pvt. Ltd	01/06/2019 to 15/06/2019	15 Days	4	Civil
5	HARSHADKUMAR G PATEL CONSTRUCTION COMPANY,	06/06/2019 to 16/06/2019	12 Days	4	Civil
6	J.B. Construction	01/06/2019 to 15/06/2019	15 Days	1	Civil
7	P. S. GOTI CONSTRUCTION	30/05/2019 to 15/06/2019	16 Days	1	Civil
8	PATEL FOUNDATION CONSTRUCTION	29/05/2019 to 15/06/2019	18 Days	2	Civil
9	R&B Department	10/06/2019 to 15/06/2019	6 Days	1	Civil
10	S D CHAUDHARY CONSTRUCTION COMPANY	07/06/2019 to 16/06/2019	10 Days	2	Civil

## Co-curricular activities

Sr No.	Name of Industry	Date	Duration	No. of Student	Department
11	S G BAGWAN,	06/06/2019 to 16/06/2019	11 Days	1	Civil
12	SAI CONSTRUCTION	07/06/2019 to 16/06/2019	10 Days	6	Civil
13	Shree Ganesh Corporation	01/06/2019 to 15/06/2019	15 Days	3	Civil
14	TIRUPATI BUILDZONE PVT. LTD.	12/06/2019 to 15/06/2019	4 Days	1	Civil
15	VISHNUBHAI A OZA CONSTRUCTION	07/06/2019 to 16/06/2019	10 Days	3	Civil

**Summary:**

Sr. No	Name Of Department	No. Company	No. Student
1	Electrical Engineering Department	<b>10</b>	<b>32</b>
2	Mechanical Engineering Department	<b>3</b>	<b>8</b>
3	Mining Engineering Department	<b>2</b>	<b>10</b>
4	Civil Engineering Department	<b>15</b>	<b>40</b>
<b>Total :-</b>		<b>30</b>	<b>90</b>

## H. Industrial Visits

### MECHANICAL ENGINEERING DEPARTMENT

Sr. No.	Name of Industry	Day	Semester
1	College of Renewable Energy & Environmental Engg.,SDAU, Dantiwada	03-07-18	8
2	Costal Gujarat Power Ltd., Mundra, Kutch, Gujarat	10-09-18	7
3	Vasant Fabricators Pvt. Ltd.	28-9-18	5 & 7
4	Wanakbori Thermal Power Station, Wanakbori, Kheda, Gujarat	13-10-18	7

### ELECTRICAL ENGINEERING DEPARTMENT

Sr. No.	Name of Industry	Day	Semester
1	GETCO 400kV SS Kansari	1	8th
2	Thermal Power Station Wanakbori	1	8th
3	Gujarat Solar Park Charanka	1	4th
4	220kV Substation Sadarput	1	6th

### MINING ENGINEERING DEPARTMENT

Sr. No.	Name of Industry	Day	Semester
1	ZAWAR MINES, RAJASTHAN	01	7 <sup>TH</sup>
2	JHAMAR KOTRA ROCK PHOSPHATE MINE	01	7 <sup>TH</sup>

## I. Faculty-Industry Interaction Details with Field

Sr. No	Department	Name of Faculty	Name of Industry	Purpose For Association
1	Mechanical	Prof. V. D. Patel	COE, GEC, Patan	Student Training
2		Prof N A Patel	Vasant Fabricators Pvt. Ltd.	Training and Placement
3	Electrical	Prof Jugnu Patel	NEXT-GEN POWER CONTROLS	Student Project Work
4		Prof. A. M. Patel	Prof. A. M. Patel	Shree Ganesh Automation
5		Prof. B. R. Patel	GETCO	Industrial Visit
6		H. V. Hirvaniya	GETCO 400kV SS Kansari	Student visit
7		H. V. Hirvaniya	Thermal Power Station Wanakbori	Student visit
8		H. V. Hirvaniya	Gujarat Solar Park Charanka	Student visit
9		H. V. Hirvaniya	220kV Substation Sadarput	Student visit
10		Prof. K. G. Prajapati	BANAS Dairy,	Student Training, Industrial Visit, Syllabus Upgradation
11		Prof. M. G. Prajapati	Power Grid corporation of India	Student Training, Industrial Visit
12		Prof. M. K. Patel	Shivang Furnaces & Ovens Ind.	Placement
13	Prof. M. R. Suneja	GETCO	Student Training	
14	Mining	Prof. J. V. Modi	GMDC	Industrial Training, Visit and Placement
15		Prof. J. V. Modi	Vedanta Resources	Industrial Training, Visit and Placement
16		Prof. J. V. Modi	Coal India	Industrial Training, Visit and Placement
17	Civil	Dr. G. M. Savaliya	Sai Construction and Developers	Placement, Industrial Visit, Student Training
18		Prof. H. U. Patel	Ranjit Buildcon Limited	Placement, Student Project Work, Student Training, Industrial Visit
19		Prof. M. N. Prajapati	SAICAD CENTRE PATAN	Student Project Work, Training, Consultancy
20		Prof. N. R. Kotiya	SPAN Infrastructure material testing lab	Student Project Work, Student Training
21		Prof. R. K. Rathod	Bagwan Construction	Other, Working Site Visit
22		Prof. U. R. Singh	Vaibhav Enterprise	Student Project Work, Industrial Visit, Site Visit
23		Prof. Y. J. Chauhan	SID	Student Project Work, Student Training



# **EXTRA-CURRICULAR ACTIVITES**

# EXTRA-CURRICULAR ACTIVITES

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## A. Tree Plantation

Tree plantation programme arranged with Students of GEC, Palanpur and Staff members on 25-07-2018 at GEC, Palanpur and Govt. Engg. Boys Hostel Campus.



## B. Drug abuse and illicit trafficking

Drug abuse and illicit trafficking Programme arranged at our institute by NSS Volunteer on 26 June 2018.



## C. Seva Camp

Bhadarvi poonam seva camp arranged between Palanpur and Danta for serving First Aid medical treatment and Energetic drink for the Pilgrims of Ambaji from 21-09-2018 to 22-09-2018.



### સરકારી ઇજનેરી કોલેજ પાલનપુરના એન.એસ.એસ. યુનિટ દ્વારા સેવાકેમ્પ યોજાયો



અહેવાલ : ભીખાલાલ પ્રજાપતિ

પાલનપુર સરકારી ઇજનેરી કોલેજ પાલનપુરના એન.એસ.એસ. યુનિટ દ્વારા સતત બીજા વર્ષે ભાદરવી પૂનમના મહા મેળા અંતર્ગત પગપાળા જતા ભક્તો માટે મોબાઈલ વાન દ્વારા સેવા કેમ્પનું આયોજન કરેલું છે જેનું આજે સરકારી ઇજનેરી કોલેજ જગાણાં ખાતેથી એન.એસ.એસ.ના કો ઓફિસિટર ડૉ. સી.જી. પ્રજાપતિ, એન.એસ.એસ.ના સ્વયંસેવકો તથા સિક્યુરિટીના સ્ટાફ દ્વારા લીલી ઝંડી આપીને કેમ્પને પ્રસ્થાન કરાવ્યું હતું. આ કેમ્પમાં પગપાળા જતા ભક્તો માટે એનર્જી ડ્રિન્ક તથા પ્રાથમિક ઉપચાર માટેનું આયોજન કરેલ છે આ

ઉપરાંત ખાસ કરીને સ્ટ્રી ભુણ હત્યા, બેટી બચાવો બેટી પઢાવો, વ્યસનમુક્તિ અભિયાન અને સ્વાસ્થ્યતા અભિયાન માટેની જાગૃતિનું પણ આયોજન કરેલ છે. આ મોબાઈલ વાન પાલનપુર એરોમાં સર્કલ, ગોળા, જળોત્રા, રતનપુર, દાંતા તથા આજુબાજુના ગામોમાં ફરીને ગ્લુકોન-ડી નું એનર્જી ડ્રિન્ક તથા પ્રાથમિક ઉપચારની સેવાઓ વગેરે જેવી સેવાઓ એન. એસ.એસ. ના વોલન્ટીયરો દ્વારા પુરી પડવામાં આવશે. આ મોબાઈલ વાન ૨ દિવસ સુધી આ રસ્તા ઉપર ફરશે અને પગપાળા જતા ભક્તો ને સેવા પુરી પડશે.



## D. National Day Celebration

15TH AUGUST 2018

Government Engineering College, Palanpur celebrated the 72<sup>nd</sup> Independence Day of our Nation in a peaceful and grand manner. Honorable Principal **Dr. K. B. Judal**, hosted the National Flag and accepted the salute and guard of honor.

Principal, in his Independence Day speech, gave us an informative speech how our freedom fighters sacrificed for our Freedom. He shared the information and importance of independence in our life.

NSS Coordinator **Dr. C. G. Prajapati** motivated to students for various patriotic performances and shared with everyone to be good citizen of India by showing sincerity and punctuality in development of our nation. All must work hard and should not postpone their duties.

Honorable Principal, Teaching and Non-Teaching Staff and students presented in the celebration of this national festival of India. College students are presented some melodious speech, sang a song and small drama on this Independence Day.



**26<sup>th</sup> JANUARY 2019**

The Republic Day is celebrated in the honours of the implementation of the Indian Constitution, since January 26, 1950. Government Engineering College, Palanpur witnessed the celebration of 70<sup>th</sup> Republic Day of the country on January 26, 2019. The students, staff and faculty members with great enthusiasm and patriotic fervour gathered in central garden of the institute for the celebration. The event began at 08:00 am with the Flag Hoisting ceremony, followed by the inspiring speech of Dr. K. B. Judal, Principal of the institute. He highlighted the importance of the Constitution and its unique features such as Sovereign, Socialist, Secular, Democratic and Republic, etc., and motivated the students, staff and faculty members to achieve the highest academic excellence for the overall development of the institute. Various accomplishments and achievements of the institute have also been concluded by him in his speech. The principal address was followed by the National Anthem and various other representations of the classical art forms in the different dances and songs performed by the students, giving a glimpse of the diversity in unity of the nation and the Guard of Honours. The program ended with the message to create a great nation through collective efforts from all individual.



## E. Swatchachhta Program

Swachh Bharat Abhiyan is a campaign in India that aims to clean up the streets, roads and infrastructure of India's cities, smaller towns, and rural areas.

The objectives of Swachh Bharat include eliminating open defecation through the construction of household- owned and community-owned toilets and establishing an accountable mechanism of monitoring toilet use, run by the government of India.

The mission aims to achieve an open-defecation free India by 2 October 2019, the 150<sup>th</sup> anniversary of the birth of Mahatma Gandhi, by constructing 90 million toilets in rural India.

Under this mission various social communities and various NSS units of Palanpur are participated in this abhiyan. NSS Unit GEC Palanpur also participated in this program 'MARU PALANPUR SWACHH PALANPUR ABHIYAN'. In this Program officer of NSS Unit GEC Palanpur Dr. C.G. Prajapati had also participated.

At the beginning of the various leaders from various communities are guided about Swachh Bharat abhiyan. Then after all are divided into four groups and first all are participated in rally with swachhhta slogans and then our NSS GEC Palanpur team is going to Kirtistambh-Ambaji Mandir and Kirtistambh- Taluka Panchayat- Gurunanak Chok-Bus Station Road streets and clean all the area which is covered in above streets.





## ***SWACHH BHARAT SUMMER INTERNSHIP***

Swachh Bharat Summer Internship orientation is a joint initiative of the Ministry of Drinking Water and Sanitation, Ministry of Human Resource Development and mygov.in. On 2<sup>nd</sup> October 2014, the Prime Minister of India, Shri Narendra Modi, launched the Swachh Bharat Mission with the aim to eliminate open defecation in India by 2019. The Prime Minister gave a clarion call to the citizens of India to make this a true people's movement. In the spirit of this Jan Andolan, millions of people across India united to respond to this call and realize.

In this Swachh Bharat Summer Internship Awareness Campaign, Nukkad/Natak, Door to Door Visit, Rally, Movie Screening type of Program arranged.







## F. NSS Activities

### 1. YOGA DAY CELEBRATION (21/06/2018)

International Yoga Day is celebrated with Students and Staff members of GEC, Palanpur on 21-06-2018 at GEC, Palanpur.



### 2. CELEBRATION OF INTERNATIONAL DAY AGAINST DRUG ABUSE AND ILLICIT TRAFFICING :

Celebration of International Day against Drug Abuse and Illicit Trafficking had arranged with students and staff members of GEC, Palanpur on 26/06/2018 at GEC, Palanpur .



### 3) MR VACCINATION IMMUNISATION PROGRAM :

NSS Unit GEC Palanpur Participated in Measles & Rubella Vaccination Immunisation Programme at Government primary Schools of Palanpur during 16 July 2018 to 30 July 2018.



### 4) BLOOD DONATION CAMP

In GEC, Palanpur, The NSS Unit organized a blood donation program in collaboration with General hospital Palanpur on 08/08/2018.



### 5) INTERNATIONAL PEACE DAY AND NUCLEAR WEEK CELEBRATION:

GEC, Palanpur NSS Unit Celebrates “International peace day and nuclear week celebration “ on 14/08/2018 at GEC, Palanpur with invited guest “ Dr. R J Pathak.



### 6) AWARENESS CAMPAIGN ON HIV/AIDS :

GEC, Palanpur NSS Unit arranged awareness campaign on HIV/AIDS seminar on 12 September 2018 with Dr. Gautambhai MOdi , Mr. Chaudhary Councillor of AIDS and one very good personality Mr. Nareshbhai Soni who was suffer from AIDS from last 15 years, he shared his experience.



7) CELEBRATION OF RASHTRIY EKTA DIVAS :

Rashtriya Ekta Divas is celebrated on 31/10/2018 through reading “Ekta Sapath” and also staff and students have participated in “RUN FOR UNITY” which was held at G D Modi College of Arts, Palanpur commonly under the presence of Collector, Banaskantha.



8) CELEBRATION OF CONSTITUTION DAY :

GEC, Palanpur Celebrated the Constitution day on 26/11/2018 by reading Preamble and Principal Dr. K B Judal delivered lecture on Indian Constitution and also aware to all about the Fundamental Duties of Every citizen of India.



# **STUDENT ACTIVITIES**

# STUDENT ACTIVITIES

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## A. Teachers' Day Celebration

Teachers' Day is a special day for the appreciation of teachers, and may include celebrations to honor them for their special contributions in a particular field area, or the community in general. To mark the great Teacher & Philosopher, Dr Sarvapalli Radhakrishnan's Birthday, Teachers Day was observed and celebrated at Government Engineering College, Palanpur on September 05, 2018. Students of 3<sup>rd</sup> and 4<sup>th</sup> year have participated. According to area of interest, teaching slots are prepared and they deliver in classes. Most sessions planned are activity based. One common session for all the students is arranged for the interaction of Students and teachers. There were also arranged refreshment for all participated students as a teacher. Whole day planning is done by the students.









## B. Navratri Mahotsav

With an aim to spread joy and happiness; GECPL had organized its 2<sup>nd</sup> Dandiya and Garba Night on 6<sup>th</sup> October 2018. The celebrations for Navratri started at 7.15 p.m. with short pooja done by Principal Dr. K.B. Judal & Faculties with Students.

The campus looked like a mini Gujarat, with all the Students, Parents and Teachers; all dressed up in traditional Gujarati attire and dancing to the rhythmic Dandiya beats! The celebration started with the beats of a Garba song dedicated to Goddess Amba. All the students and parents present there joined in the celebration, tapping to the spectacular music. A strong bond was visualized between parents, teachers and students; It was huge family tapping their toes with the rejoicing music. There were surprising gifts to different enthusiasts of the program. Prizes were given to different categories like the Best dress in students, the Best dancer in students etc. Similar categories were given to parents and teachers too. The Garba and Dandiya Celebration was indeed a great event by the students and Culture co ordinator Prof. C. G. Prajapati. All teachers & staff attended the navratri celebration.







## C. PRAXES



## **State Level Technical and Cultural Event** **28<sup>th</sup>Feb and 1<sup>st</sup> March 2019**

---

### **Faculty**

#### **Coordinators:**

**Prof. N. A. Patel**

**Dr. F. J. Narsingani**

**Prof. D.A.Patel**

### **Student**

#### **Coordinators:**

**Kisan Nagar**

**Kiran Chaudhary**

**Paresh Chaudhary**

**Kamalkant Saini**

Posters of Event



**PRAXES**  
GOVERNMENT ENGINEERING COLLEGE  
PALANPUR

**ON THE SPOT**  
EVENTS

**ROBOTIX**  
CONQUEROR OF ARENA  
RUN FOR GLORY  
ROB THE BALL

**QUIZ**

**TECHNICAL WORKSHOP**  
MECHANICAL  
ELECTRICAL  
CIVIL

**LAN GAMES**  
COUNTER STRIKE  
NFS

**PROJECT EXHIBITION**  
MECHANICAL  
ELECTRICAL  
CIVIL  
MINING

**ONE MINUTE GAME**

**TREASURE HUNT**

**PRAXES 2K19**  
TEAM WORK MAKES DREAM WORK

**Date - 28<sup>th</sup> Feb. & 1<sup>st</sup> March**  
**Last Date of Registration - 23<sup>rd</sup> Feb.**

**PATRON**  
Dr. K.B. JUDAL

**FACULTY COORDINATORS**  
Prof. N.A. PATEL  
Prof. D.A. PATEL

**SUPPORTED BY**  
**SAICAD**  
Centre  
Technical education services  
(An ISO 9001:2015 Certified Company)

**STUDENT COORDINATORS**  
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Kiran Chaudhary +91-81602 79515  
Paresh Chaudhary +91-84699 38903  
Kamal Kant +91-80008 11754

[praxes\\_2k19](#) [Praxes Gecpl](#) [GEC Palanpur](#) [praxes2k19.blogspot.com](#)



**PRAXES 2K19**  
GOVERNMENT ENGINEERING COLLEGE  
PALANPUR

**ROBOTIX**

**WIN EXCITING PRIZES**

**Date - 28<sup>th</sup> Feb. & 1<sup>st</sup> March**  
**Last Date of Registration - 23<sup>rd</sup> Feb.**

**ROBO SOCCER**  
**ROB THE BALL**

**ROAD-WAR**  
**CONQUEROR OF ARENA**

**ROAD-RACE**  
**RUN FOR GLORY**

**PRAXES COORDINATORS**  
Prof. N.A. PATEL  
Prof. D.A. PATEL

**ROBOTICS COORDINATORS**  
Prof. A.R. CHAUDHARI  
Prof. A.K. PATEL

**SUPPORTED BY**  
**SAICAD**  
Centre  
Technical education services  
(An ISO 9001:2015 Certified Company)

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Manoj Bhanushali +91-79842 28088  
Swapnil Dhoke +91-89805 71493  
Tanvi Mevada

[praxes\\_2k19](#) [Praxes Gecpl](#) [GEC Palanpur](#) [praxes2k19.blogspot.com](#)

## Events List

NAME OF EVENT	FACULTY CO-ORDINATOR	STUDENT CO-ORDINATOR	SEMESTER	CONTACT NO.
ROBOTICS	Prof. A. R. Chaudhary	Bhanusali Manoj	6 <sup>th</sup> Ele	9512624523
		Barot Bhavik	6 <sup>th</sup> Mech	8140918065
	Prof. N. T. Raval	Rami Dharmit	6 <sup>th</sup> Mech	9537426254
		Kamalkant Saini	4 <sup>th</sup> Mech	8000811754
		Mevada Tanvi	6 <sup>th</sup> Ele	-
PROJECT EXIBITION	Prof. K. G. Prajapti	Tank Mit	6 <sup>th</sup> Ele	9726773701
		Parmar Himanshu	6 <sup>th</sup> Mech	9426452810
		Kushava Niraj	8 <sup>th</sup> Civil	8460464348
ROBOTICS WORKSHOP	Prof. P. N. Boka	Gosai Harsh	8 <sup>th</sup> Mech	8905445005
		Patel Vishal	8 <sup>th</sup> Mech	9662393964
		Parmar Hiren	8 <sup>th</sup> Ele	9427537547
TECHNICAL QUIZ COMPETITION	Prof. M. G. Prajapti	Patel Utsav	8 <sup>th</sup> Ele	9879429907
		Parmar Hitesh	8 <sup>th</sup> Ele	9723379287
	Nehal Prajapti	Pathan Faisal	6 <sup>th</sup> Mech	9898168114
TECHNICAL ONE MINUTE GAME	Prof. H. U. Patel	Rahul Ray	8 <sup>th</sup> Civil	9173274178
		Bhupesh Agarwal	8 <sup>th</sup> Ele	8141214184
LAN GAME	Prof. N. A. Mistry	Khadaliya Ronak	6 <sup>th</sup> Ele	9601919718
		Patel Neel	6 <sup>th</sup> Ele	8128350541
TRESURE HUNT	Prof. M. D. Patel	Kadecha Harsh	8 <sup>th</sup> Ele	9601549055
	Mr. Girish Chaudhary	Kuchroo Sakshi	8 <sup>th</sup> Mech	-
		Chaudhary Kiran	6 <sup>th</sup> Civil	8141127077
INNOVATIVE ENGINEERING IDEAS PRESENTATION	Prof. R. H. Chaudhary	Prajapati Siddharth	8 <sup>th</sup> Civil	9173102008
		Ashnani Khusbhu	8 <sup>th</sup> Civil	-
		Dhavana Ketul	8 <sup>th</sup> Mech	9537747882

### Central Committees

NAME OF COMMITTEE	FACULTY CO-ORDINATOR	STUDENT CO-ORDINATOR	DEPT.	CONTACT
ORGANIZING COMMITTEE	Prof. N A. PATEL	Kisan Nagar	8 <sup>th</sup> Mining	7041675111
		Kiran Chaudhary	8 <sup>th</sup> Civil	8141127077
	Prof. D. A. PATEL	Paresh Chaudhari	8 <sup>th</sup> Ele	6353340803
		Kamal Kant Saini	6 <sup>th</sup> Mech	8000811754
REGISTRATION & CERTIFICATION	Prof. R. K. RATHOD	Parmar Hardik	8 <sup>th</sup> Ele	9426132811
	Prof. N. R. KOTIYA	Sachin Prajapati	8 <sup>th</sup> Civil	6352017535
	Shree S. B. CHAUDHARI	Brijesh Sharma	8 <sup>th</sup> Min	8140149716
		Samay Gurjar	6 <sup>th</sup> Mech	7016015285
STAGE DECORATION	Prof. N. A. MISTRY	Parmar Kinjal	8 <sup>th</sup> Civil	-
		Solanki Tejal	8 <sup>th</sup> Civil	-
	Prof. M. R. SUNEJA	Pathan Faisal	8 <sup>th</sup> Mech	9898168114
		Krunal Thakor	8 <sup>th</sup> Civil	9157985468
	Smt. K. P. SHAH	Ninama Riddhi	6 <sup>th</sup> Civil	-
HOSTING	Prof. A. D. PATEL	Chitra Joshi	8 <sup>th</sup> Elect	-
		Sonu Patel	8 <sup>th</sup> Civil	9687132532
	Prof. F. J. NARSINGANI	Mehta Ruchita	8 <sup>th</sup> Elect	-
		Shubham Singh	6 <sup>th</sup> Ele	9099156171
CATERING	Prof. K. M. Korot	Jigar Prajapati	6 <sup>th</sup> Elect	7046419210
	Prof. J. V. Modi	Sanjay Chaudhary	6 <sup>th</sup> Ele.	9512642987
	Shree G. K. Chaudhari	Barad Harshadsinh	6 <sup>th</sup> Mech	9714523084
DECIPLINE	Prof. B. R. Patel	Bhavesh Rajput	8 <sup>th</sup> Mech	9662982095
	Prof. V. D. PATEL	Sanjay Chaudhary	8 <sup>th</sup> Civil	8154052485
	Prof. S. G. CHAUHAN	Dip Patel	6 <sup>th</sup> Mech	9904214669
		Shree H. I. CHaudhary	Suvera Chirag	6 <sup>th</sup> Mech



NAME OF COMMITTEE	FACULTY CO-ORDINATOR	STUDENT CO-ORDINATOR	DEPT.	CONTACT
SPONSORSHIP	Prof. N A. PATEL	Gautam Chaudhary	8 <sup>th</sup> Civil	7016783576
	Prof. D. A. PATEL	Parth Limbachiya	8 <sup>th</sup> Mech	8511189978
	Shree K. R. RANAVASIYA	Modh Jenish	6 <sup>th</sup> Mining	9737724398
	Shree G. M. PATEL	Roz Kiran	6 <sup>th</sup> Elect	7383300199
MEDIA AND CAMAPINING	Prof. G. M. SAVALIYA	Meet Patel	8 <sup>th</sup> Elect	7874190210
		Raj Patel	8 <sup>th</sup> Elect	7984811382
	Prof. Y. J. CHAUHAN	Margin Patel	8 <sup>th</sup> Ele	9081175750
		Parth Patel B	8 <sup>th</sup> Ele	7567454476
ACCOUNT AND PURCHASE	Dr. C. G. PRAJAPATI Shree J. G. PRAJAPTI Kum. N. K. PRAJAPTI	Kislay Das	8 <sup>th</sup> Mech	9725395818








**TECHNICAL**  
**ONE-MINUTE GAME**

**GOVERNMENT ENGINEERING COLLEGE, PALANPUR**



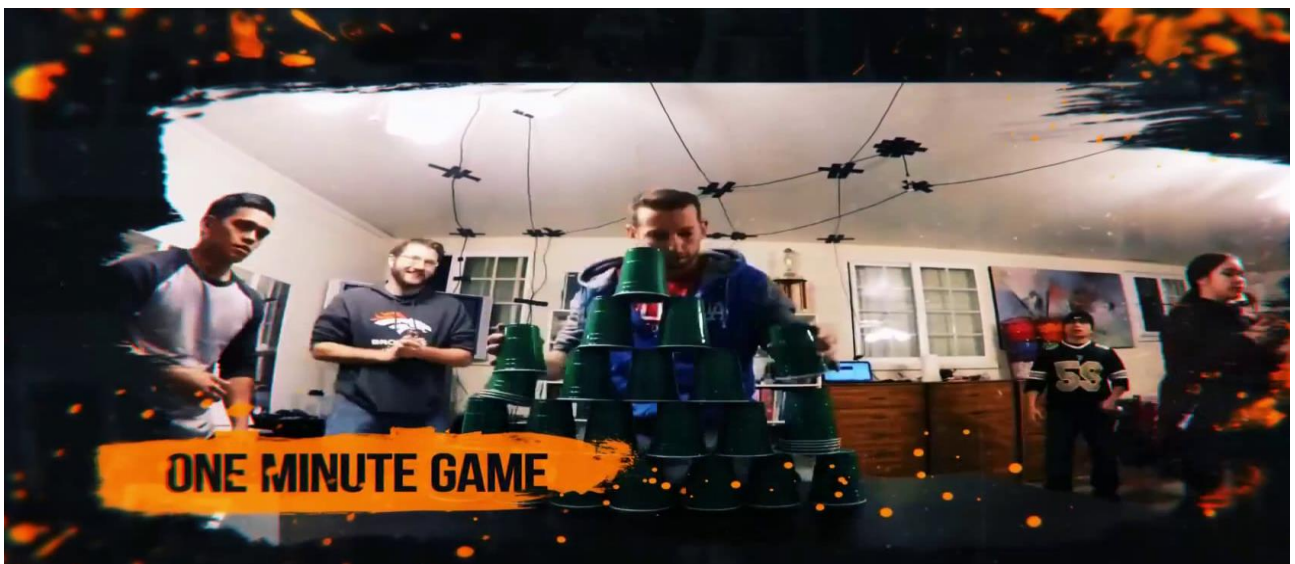
**TECHNICAL WORKSHOP**

**FUSION 360**

**GOVERNMENT ENGINEERING COLLEGE, PALANPUR**



## Event Gallery



## Cultural Night Gallery



### Cultural Night Gallery





## D. Sport Week

Sports committee of GEC Palanpur organized "Sports week 2k19" in the college for the students of GEC Palanpur. Participants from every semester and department were invited to take part voluntarily in various sport activities. Various sports such as cricket, volleyball, kho-kho, kabaddi, and many more were organized. There were also on the spot games organized by the committee. The core committee selected the class and game coordinators from each semester of all branches. The registration process for both team and individual commenced from 5<sup>th</sup> March and the deadline for registration was 9<sup>th</sup> March. The class coordinators were given the job of offline registration. The registration of team games were offline while for individual games it was done online (Google forms). The job of the class coordinators were to register their class teams in various sports and report that to the core committee. After the registration process, the details of registered teams and players were given to the game coordinators of the respective game. They prepared the schedule and the fixtures for the event and reported that to the core committee. The program was kick-started with inauguration ceremony on 11<sup>th</sup> March. The program was successfully concluded with prize distribution ceremony on 16<sup>th</sup> March.

### Inauguration Ceremony



The details of each games are illustrated ahead:

### ~ TEAM SPORTS ~

#### **CRICKET :**

Fourteen teams participated in the game which were divided in two Groups – A and B. Group A played their group stage matches on 11<sup>th</sup> March 2019. The group stage matches for group B were scheduled on 13<sup>th</sup> March.

The quarters and semifinal for group A were played on 12<sup>th</sup> march, and the same were played by group B teams on 14<sup>th</sup> and 15<sup>th</sup> march.

The two teams to qualify for the Finals were CIVIL VIII and CIVIL VI. The final was played on 16<sup>th</sup> march, 2019. CIVIL VI was able to cross the winning line and defeated their senior pupils by 3 wicket and 2 balls to spare.

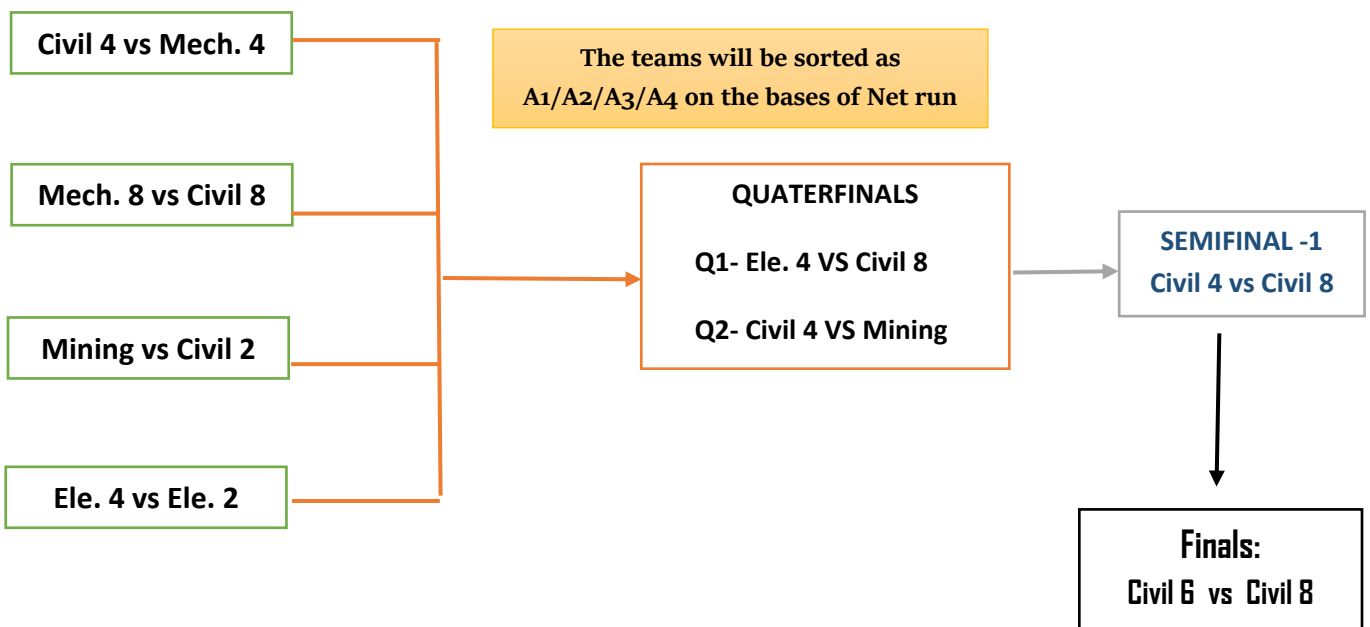
Parshotam from CIVIL VIII was awarded with the man of the tournament for his brilliant batting and bowling performance. He averaged 84.50 in four matches which included two half centuries and the highest of 67. He also took 9 wickets in his four matches settled on 2<sup>nd</sup> in Bowling leaderboard.

**Girls Box Cricket-**

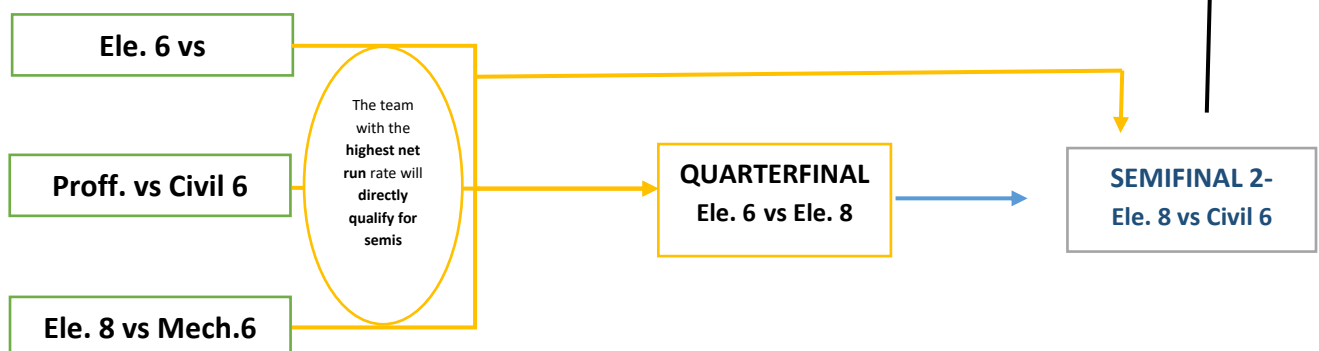
A six over each side Box cricket was played among Electrical girls versus Civil Girls. The game was played on 16<sup>th</sup> March, 2019. Electrical was able to defeat civil quite comfortably and conquered the trophy.

**Tournament tree:-**

GROUP A:



GROUP B:



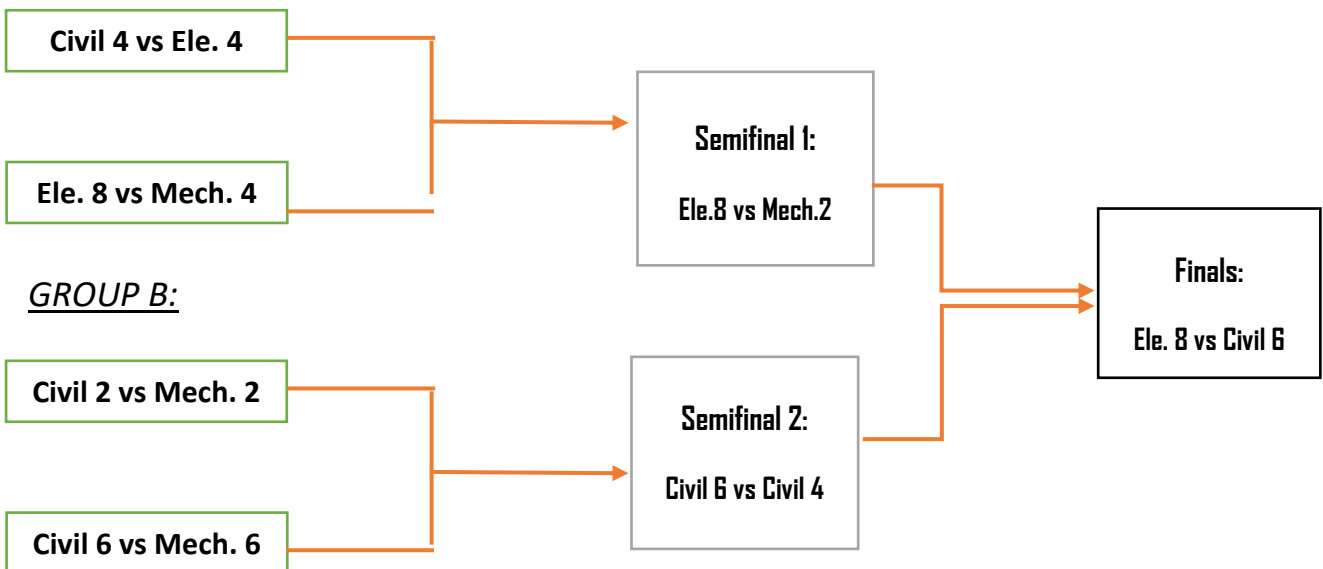


## KABADDI :

A total of eight teams participated in the game. The game was scheduled between 11<sup>th</sup> March to 15<sup>th</sup> March. The teams were divided in two – Group A and Group B. The group stage match of group A was scheduled on 11<sup>th</sup> march and the same was scheduled on 12<sup>th</sup> march for group B.

### Tournament Tree:-

#### GROUP A:



The semifinals were played on 14th March and the finals were scheduled on 15th march. Electrical 8 and Civil 6 were able to qualify for the finals. Electrical 8 were finally the champion and Paresh Chaudhary was awarded with the Man of the series trophy for his excellent raiding.

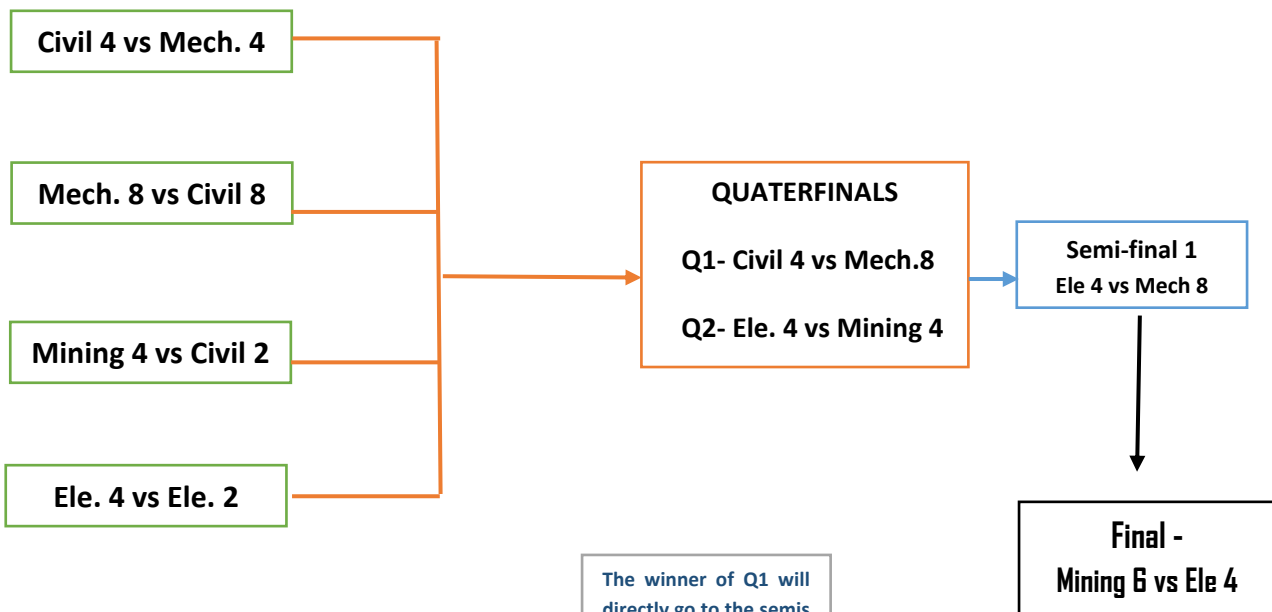
## VOLLEYBALL:

Fourteen teams participate in this sports, which were divided in two groups. Group A played their group stage matches on 11<sup>th</sup> march and the same was played on 13<sup>th</sup> march within group B. The semis and final were played on 16<sup>th</sup> March, 2019.

Electrical 4<sup>th</sup> and Mining 6<sup>th</sup> were able to qualify for the final. Mining 6<sup>th</sup> defeated Electrical 4<sup>th</sup> in the final.

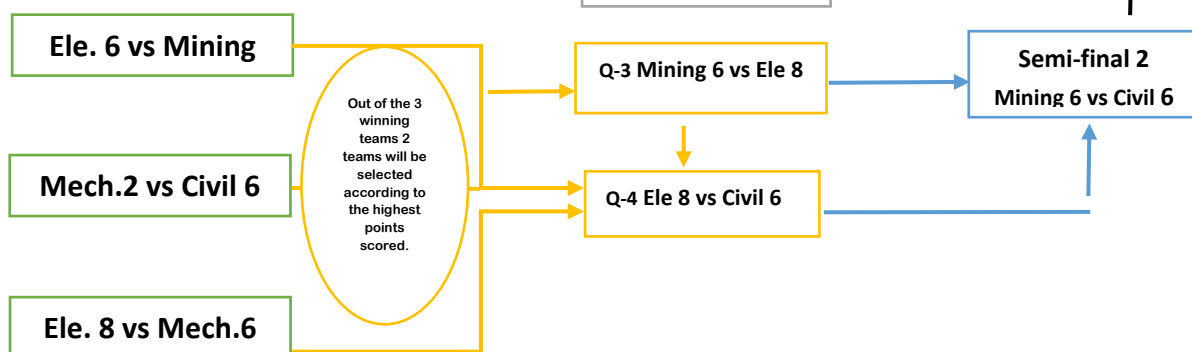
### Tournament tree:-

#### GROUP A:



The winner of Q1 will directly go to the semis and the loser will play with B<sub>3</sub> in Q2 and the winner of Q2 will play semifinal.

#### GROUP B:

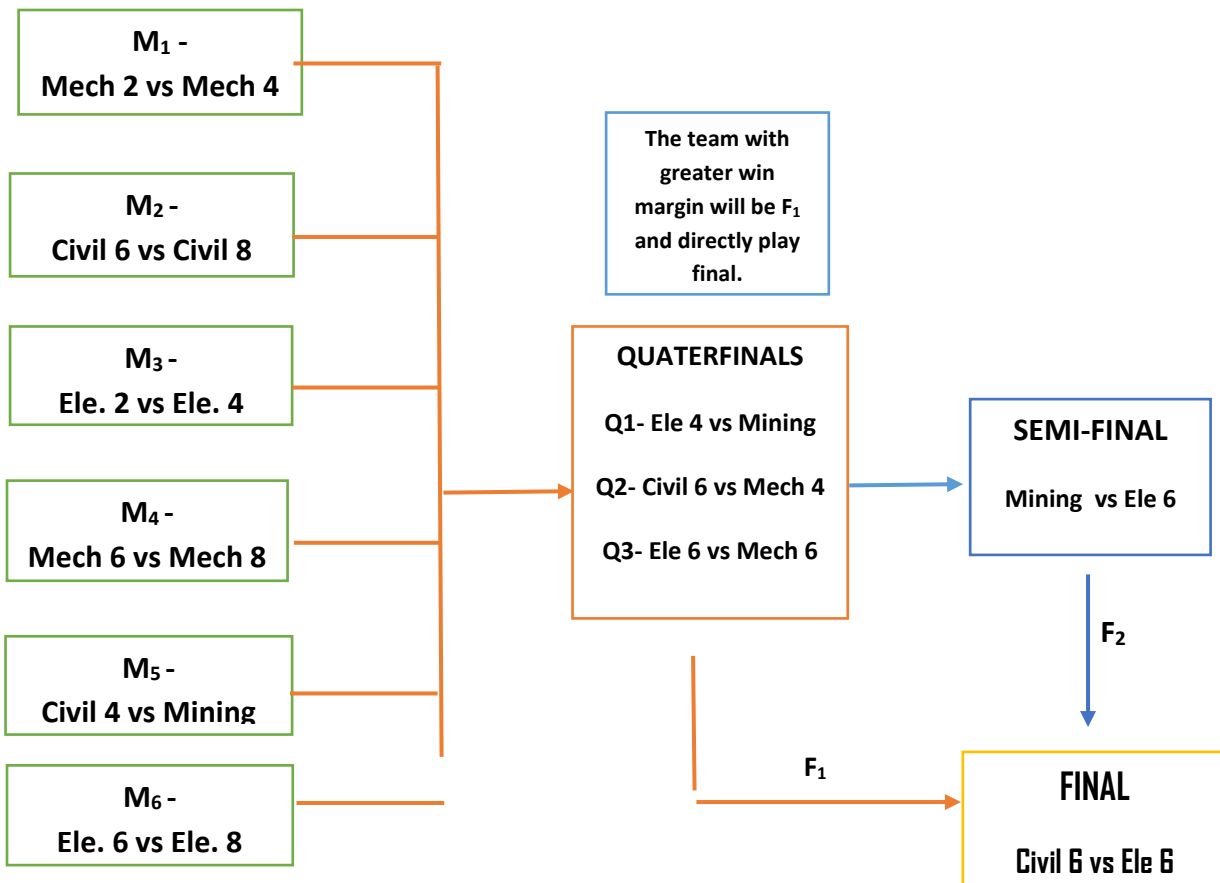




## KHO-KHO :

In Kho-Kho the league matches were scheduled from 11th march to 13th march, 2019 for twelve participating team. Out of twelve, six teams qualified for Quarters and then the top four teams qualified for the semis. The finalists among the twelve were CIVIL 6th and ELECTRICAL 6th and at last ELECTRICAL 6th were able to defeat and become champion.

### Tournament tree:

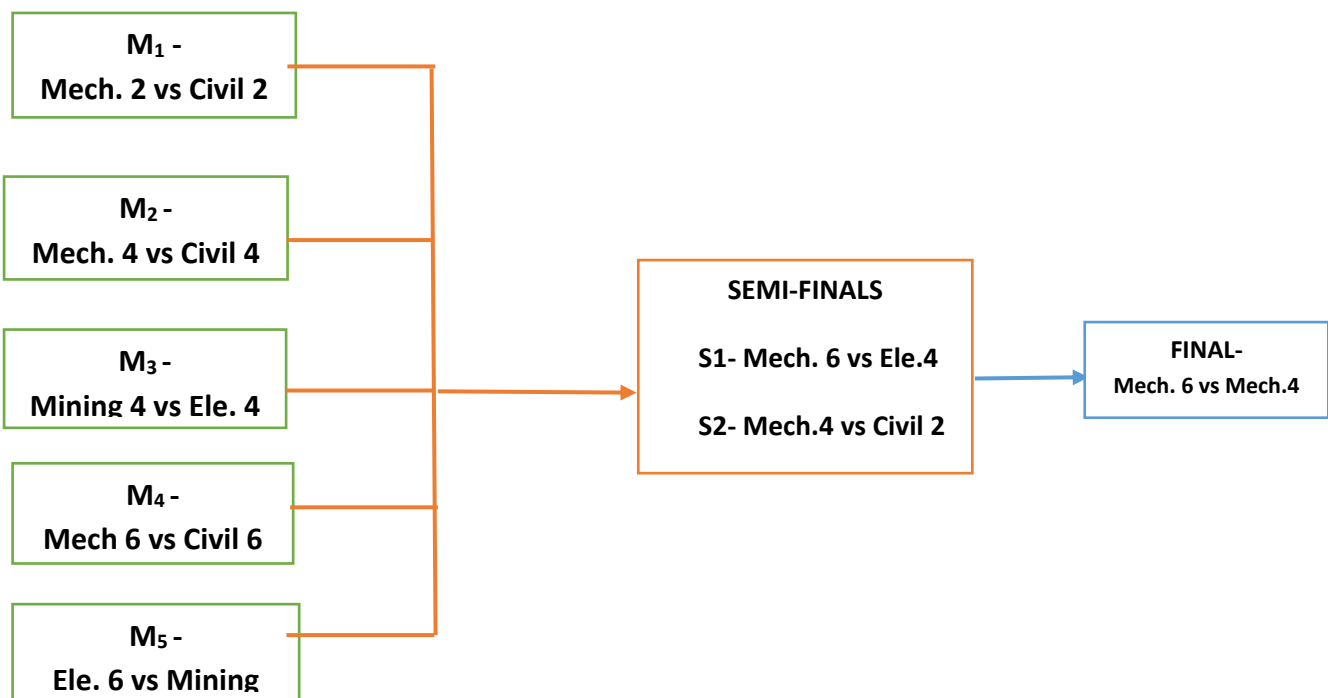




## TUG OF WAR:

There were total of 10 participating teams in the game. The round 1 was held on 14th March, 2019. Among the 5 winners of Round 1, top 4 were selected for Round 2 i.e. semifinal round which was scheduled on 15th March, 2019. MECHANICAL 6th and MECHANICAL 8th were qualified for the Final and MECHANICAL 6th were able to become the ultimate champion.

### Tournament tree:

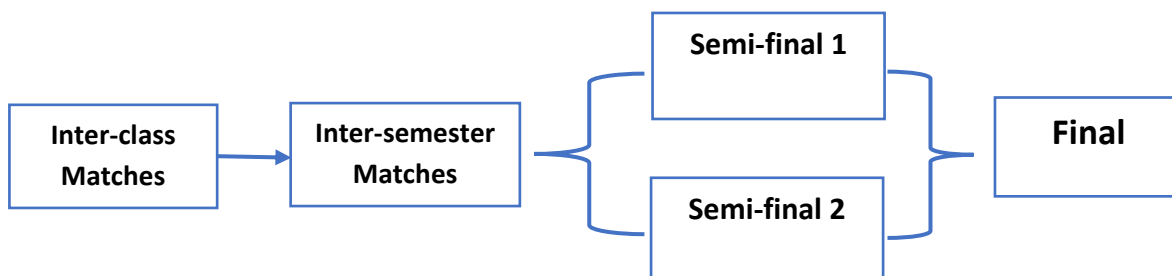




## TABLE TENNIS (DOUBLES):

In T.T doubles two teams were allowed to participate from each semester of the respective branch. Thirteen teams were registered in this game. Initially the game was played within the class (semester), and the winners represented their class for next round. The next round was played within the class winners of the particular department, and the winners of this round represented their Branch for the next round. Next round was played among the 4 representative of their respective branch. Faisal Pathan - Bhavesh Rajput (T1) and Puwar Jaysin - Neel Bhasar(T2) qualified for the final. Faisal Pathan – Bhavesh Rajput were able to defeat their opponent and won the final of TTdoubles.

### Tournament tree:



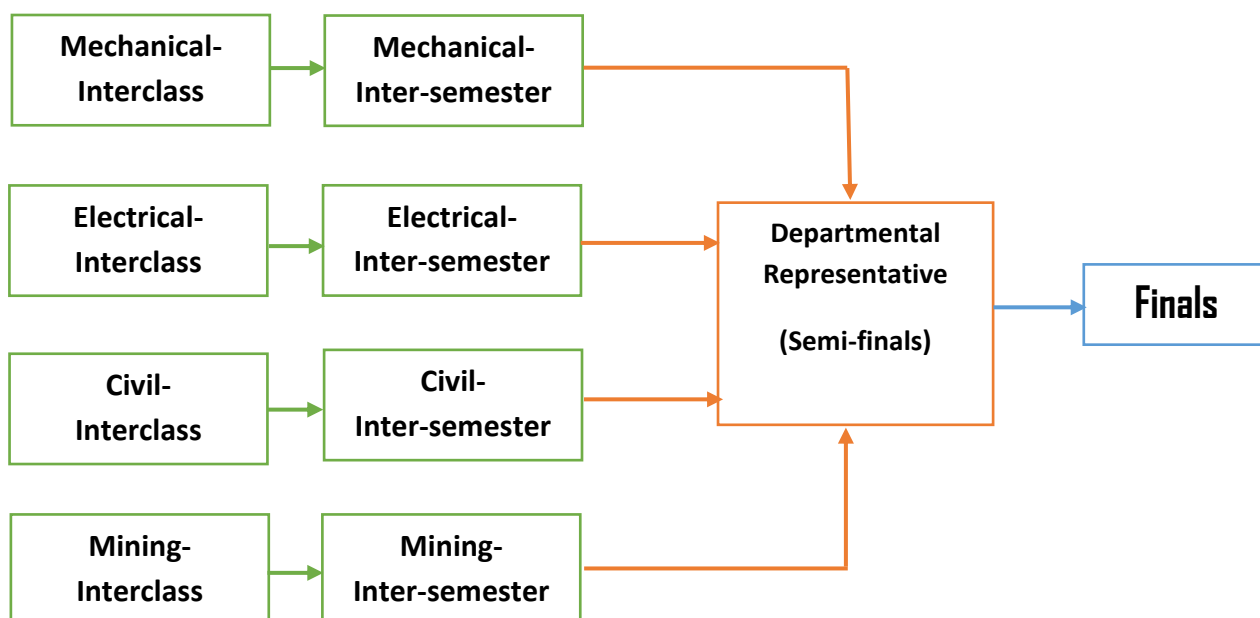
## INDIVIDUAL SPORTS:

There were four individual sports- Shotput, (TT singles), Chess, Carrom. The student registered their name through google forms and there were around 500+ participants in the individual sports. Round 1 was played between the participants of the same class, and so one representative was selected from each class of the respective branch. The round 2 was played between class representative within the branch. And from round 2 we got the departmental representative from it. So total of 4 players were shortlisted, one from each branch in all the individual games. Then the semifinals were played among the departmental representative and then the winners were succeeded to the final, which were played on 16th of March.

The Winners and the runners up of various games are as follows:

Sports	Winner	Runners Up
Shot put	Nirav Prajapati	Gevariya Haresh
Carrom	Gamit Joseph	Patel Kishan
Chess	Vaghela Jignesh	Sindhi Rahil
TT singles	Faisal Pathan	Ujwal Singh

### Tournament Tree:





## ON THE SPOT GAMES:

There were 4 On the spot games- Lemon & Spoon, Sack Race, Skipping Rope, Slow Cycling Race. The registration of the games were done on the spot by the game coordinators. The games were 13th to 15th of March.

The winners of the following games are as follows:

Game	Winner (Boys)	Winner (Girls)
Skipping Rope	Luhar Nikhil	Sadhu Ruchi
Lemon Spoon	Luhar Nikhil	Prajapati Jinal
Slow cycling race	Modi Krutang	Patel Devanshi
Sack race	Anil Prajapati	Sadhu Ruchi

### Carrom



### Chess



## Closing Ceremony



The Sports week 2019 was successfully conducted during 11<sup>th</sup> to 16<sup>th</sup> March under the supervision of Dr. Kirti M Korot ,Prof. Yogesh Chauhan and the Faculty coordinators of the particular sports. The student coordinators were precisely guided by the faculty coordinators. There were no atrocious issues or malfunction during the sports week and was eminently concluded with the prize distribution ceremony with our principal as the guest of honor.

## E. 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 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/ Associate Professor	Nature of Association (Regular/Contract/ Adjunct)
1	P. C. VASANI	M.E. (CASAD)	Structural Engineering	Professor	02-06-2018	-	Regular
2	U. R. SINGH	M.E. (CIVIL)	Transportation Engineering	Assistant Professor	22-03-2012	-	Regular
3	Dr. G. M. SAVALIYA	M.E. (CIVIL) PHD	Structural Engineering	Assistant Professor	16-01-2016	-	Regular
4	V. R. SHARMA	M.E. (STRUCTURES)	Structural Engineering	Assistant Professor	10-05-2011	-	Regular
5	H. U. PATEL	M.E. TRANSPORTATION ENGINEERING	Transportation Engineering	Assistant Professor	21-12-2013	-	Regular
6	S. G. CHAUHAN	M.E. (URBAN PLANNING)	Town Planning	Assistant Professor	23-08-2016	-	Regular
7	Y. J. CHAUHAN	M.E. (CASAD)	Structural Engineering	Assistant Professor	11-07-2018	-	Regular
8	N. R. KOTIYA	M.E. (GEOTECH)	Geotechnical Engineering	Assistant Professor	11-07-2018	-	Regular
9	R. K. RATHOD	M.E. (WRM)	Water Resource Management	Assistant Professor	17-05-2018	-	Contract
10	M. N. PRAJAPATI	M.E. (STRUCTURES)	Structural Engineering	Assistant Professor	16-05-2018	-	Contract

**No of the Available Faculty:**

S. No.	Designation/Numbers	Number of Faculty in the Department for UG	
		CAY (2018-19)	CAYm1 (2017-18)
1.	Professor	1	0
2.	Associate Professor	0	0
3.	Assistant Professor	9	9
4.	Number of Ph.D	1	1

**Detail of Head of the Department for the program:**

Name: Prof. Pankaj C. Vasani

Qualification: - M.E (CASAD)

**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	2018- 2019
u1	60 + 15 = 75
u2	60 + 17 = 77
u3	60 + 18 = 78
Total No. of Students in the Department (S)	<b>180 + 50 = 230</b>
No. of Faculty in the Department (F)	<b>09</b>
Student Faculty Ration (SFR)	<b>SFR1=25.56</b>

**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
2018-2019	1	1	3	0	8	9

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

**Name of Department: Civil 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 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					
P. C. VASANI	Professor	B.E., Civil Engineering, L. D. College of Engg., Ahmedabad - 1983	M.E. CASAD, L. D. College of Engg., Ahmedabad - 2001	NIL	Structural Engineering	02-06-2018	NIL	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 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					
S. G. CHAUHAN	Asst. Prof.	B.E. Civil (Gujarat University), 2010	M.Tech Urban Planning (SVNIT) - 2013		Urban Planning	01/07/2017	NIL	NIL	NIL
H. U. PATEL	Asst. Prof.	B.E. Civil (DDU Nadiad), 2011	M.E. Civil (GTU), 2013		Transportation Engineering	01/07/2017	NIL	NIL	NIL
V. R. SHARMA	Asst. Prof.	B.E. Civil (MBM Engineering College, Jodhpur), 2007	M.Tech. Structural Engineering (Malaviya National Institute of Technology, Jaipur), 2009	Ph. D Pursuing in Civil Engineering (MNIT, Jaipur),	Structural Engineering, Earthquake Engineering	10-05-2011	02	NIL	NIL
Dr. G. M. SAVALIYA	Asst. Prof.	B.E. Civil (S.S.E.C, Bhavnagar) - 2006	M.Tech. Civil (Nirma University) - 2009	PhD. Civil (SVNIT) - 2016	Structural Engineering	18-05-2011	14	NIL	NIL
U. R. SINGH	Asst. Prof.	BE. Civil (SVIT Vasad); 2002	M.E, MSU Baroda - 2015	NIL	Transportation Engineering	22/03/2010	NIL	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 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					
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
N. R. KOTIYA	Asst. Prof.	B.E. Civil (DDU Nadiad), 2010	M.E. Geotech, L. D. College of Engg., Ahmedabad - 2013	NIL	Geotechnical Engineering	11-07-18	NIL	NIL	NIL
Y. J. CHAUHAN	Asst. Prof.	B.E., Civil Engineering, L. D. College of Engg., Ahmedabad -2011	M.E. CASAD, L. D. College of Engg., Ahmedabad - 2014	NIL	Structural Engineering	11-07-18	NIL	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 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					
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

Sr. No.	Faculty	Training Title	Organizer	From	To	Remarks
1	Prof. H.U.Patel	Design engineering	GTU, Chandkheda	16/01/2018	19/01/2018	-----
2	Prof. H.U.Patel	Induction Phase -1	NITTTR, Bhopal	30/07/2018	10/08/2018	-----
3	Prof. S.G.Chauhan	VC STTP	GECPL	05/02/2018	17/02/2018	-----
4	Prof. S.G.Chauhan	Geotechnical investigations for infrastructure developments	IITRAM	19/03/2018	23/3/2018	-----
5	Prof. S.G.Chauhan	Faculty development program for student induction program	GTU, Chandkheda	30/06/2018	06/07/2018	-----
6	Prof. S.G.Chauhan	Faculty development for teachers of technical courses	IITE	06/08/2018	11/08/2018	-----
7	Prof. Y.J.Chauhan	Deep Foundation of Mega Structures	IIT BOMBAY	27/08/2018	31/08/2018	-----
8	Prof. Y.J.Chauhan	VC STTP	GECPL	30/07/2018	13/08/2018	-----
9	Prof. Y.J.Chauhan	INDUCTION PHASE-2	NITTTR, Bhopal	10/06/2019	21/06/2019	-----
10	Prof. Y.J.Chauhan	Offshore Structures under Special loads Including Fire Resistance	NPTEL	28/01/2019	19/04/2019	-----
11	Prof. Y.J.Chauhan	Geosynthetics and Reinforced Soil Structures	NPTEL	28/01/2019	19/04/2019	-----

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

Name of faculty	CAY (2018-19)				CAYm1 (2017-18)				CAY m2 (2016-17)			
	IJ	J	IC	C	IJ	J	IC	C	IJ	J	IC	C
Prof. (Dr.) G. M. Savaliya	3	0	0	0	0	1	0	0	0	0	0	0
Prof. V. R. Sharma	0	0	2	0	0	0	0	0	0	0	0	0
Sum	3	0	2	0	0	1	0	0	0	0	0	0
AY 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
CAYm2 (2016-17)	-	-	-	-	0
CAYm1 (2017-18)	-	-	1	-	1
CAY (2018-19)	-	2	-	3	5
<b>Total</b>	-	2	1	5	6
<b>Patents filed</b>	-	-	-	-	-

**E. Invited talks/lectures delivered**

Sr. No.	Date / Year	Names of resource persons	Back ground industry/academic /R&D	Topics covered	No. of Beneficiaries
<b>Invited Faculty</b>					
1	08/08/2018	Mukesh Patel	ICE GATE Academy	Eligibility criteria, Preparation, for GATE, Opportunities & Scholarships	200
<b>Internal Faculty</b>					
-	-	-	-	-	-

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

Academic Year	Seminar	Workshops	Conferences	Total Nos. of Events Arranged
2018-2019	-	-	-	-
2017-2018	-	-	-	-
2016-2017	-	-	-	-

## G. Faculty Quality Upgradation

### Faculty Members deputed for specialized training / higher studies

Schemes	Number of faculty members deputed during last 3 years.			
	Year I (2018 – 2019)	Year II (2017 – 2018)	Year III (2016 – 2017)	Year III (2015 – 2016)
QIP/Study leave	1	1	0	0
Seminars/workshops/Summer schools / winter schools	-	-	-	-
Training/Conferences	-	-	-	-

## H. Faculty transfers/New appointments

Sr. No.	Department	Name of Faculty	Designation	Transfer/New
1	Civil	Prof. U. R. Singh	Assistant Professor	Transfer to VGEC, Chandkheda
2	Civil	Prof. P. C. Vasani	Professor	Transfer from DTE, Gandhinagar
3	Civil	Prof. Y. J. Chauhan	Assistant Professor	New Appointment
4	Civil	Prof. N. R. Kotiya	Assistant Professor	New Appointment

## **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 &amp; 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	MANISHABEN SUNEJA	M.E. ELECTRICAL ENGINEERING	Electrical Power System	Assistant Professor	04-03-2013	-	Contract
2	NEHALKUMAR MISTRI	M.E. ELECTRICAL ENGINEERING	Power Electronics	Assistant Professor	04-02-2014	-	Contract
3	HARSH CHAUDHARI	M.E. ELECTRICAL ENGINEERING	Electrical Power System	Assistant Professor	01-07-2015	-	Regular
4	ALPESHKUMAR PATEL	M.E. ELECTRICAL ENGINEERING	Power System & Renewable Energy	Assistant Professor	21-12-2013	-	Regular
5	HITESHKUMAR HIRVANIYA	M.Tech. ELECTRICAL ENGINEERING	System & Control	Assistant Professor	23-08-2016	-	Regular
6	MANISHKUMAR PRAJAPATI	M.E. ELECTRICAL ENGINEERING	Industrial Electronics	Assistant Professor	30-08-2016	-	Regular
7	KIRTIKUMAR PRAJAPATI	M.E. ELECTRICAL ENGINEERING	Electrical Power System	Assistant Professor	16-08-2016	-	Regular
8	JUGNUKUMAR PATEL	M.E. ELECTRICAL ENGINEERING	Electrical Power System	Assistant Professor	17-05-2018	-	Regular
9	MANISHKUMAR K. PATEL	M.Tech. ELECTRICAL ENGINEERING	Electrical Power System	Assistant Professor	16-05-2018	-	Regular
10	BHAVESHKUMAR PATEL	M.E. ELECTRICAL ENGINEERING	Electrical Power System	Assistant Professor	23-09-2016	-	Regular



**No of the Available Faculty:**

S. No.	Designation/Numbers	Number of Faculty in the Department for UG	
		CAY (2018-19)	CAYm1 (2017-18)
1.	Professor	0	0
2.	Associate Professor	0	0
3.	Assistant Professor	10	11
4.	Number of Ph.D	0	0

**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	2018- 2019
u1	72
u2	72
u3	72
Total No. of Students in the Department (S)	<b>216</b>
No. of Faculty in the Department (F)	<b>09</b>
Student Faculty Ration (SFR)	<b>SFR1=24</b>

**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
2018-2019	1	0	2	0	8	10

### 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 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. B. R. Patel	Asst. Prof.	BE 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),	Power system	March 23, 2010	7	---	---

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 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. H. N. Chaudhari	Asst. Prof.	B.Tech. Electrical (Nirma University),2009	ME, Kadi Sarva Vishwavidhyalay a, 2018		Electrical Power System	19-04-11	1		
Prof. H. V. Hirvaniya	Asst. Prof.	B.E (ELECTRICAL ENGINEERING), S.P.UNIVERSITY, 2008	M.TECH(ELECTRICAL ENGINEERING), I.I.T.ROORKEE, 2011	-	SYSTEM & CONTROL	23-08-2016	0	0	0
Prof. K. G. Prajapati	Asst. Prof.	B.E, HNGU Patan	GTU, Ahmedabad		Electrical Engineering	16-08-16	NIL	NIL	NIL
Prof. M. G. Prajapati	Asst. Prof.	B.E, HNGU Patan	M.E, MSU Baroda		Industrial Electronics	30-08-16	0	0	Nil

Name of the Faculty	Qualifications, University & year of Passing			Area of Specialization	Date of joining the Department/ prog, 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
	Designation (administrative position)	UG	PG					
Prof. M. R. Suneja	Prof. M. K. Patel	Prof. J. H. Patel	Prof. M. R. Suneja					
Asst. Prof.	Asst. Prof.	Asst. Prof.	Asst. Prof.	System & Control	16-05-18	NIL	NIL	NIL
B. E. Electrical Engineering & 2008	B. E., Electrical Engineering, Birla Vishwakarma Mahavidyalaya-2009	B. E., Electrical Engineering, Hemchandracharya North Gujarat University, Patan, 2009	B. E., Electrical Engineering, 2008					
M. E. Electrical Engineering & 2012	M. TECH, ELECTRICAL ENGINEERING I.I.T ROORKEE-2011	M. E., Electrical Engineering, Gujarat Technological University, Ahmedabad, 2011	M. E. Electrical Engineering & 2012					
N. A.	NIL	NIL	N. A.	Power System Protection, Power System Operation and Control	17-05-18	NIL	NIL	NIL
Electrical Power System			Electrical Power System					
04-03-13			04-03-13					
—			—					
—			—					
—			—					

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 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. N. A. Mistri	Asst. Prof.	B. E. Electrical Engineering (Saurashtra University) -2008	M. E. Electrical Engineering Gujarat Technological University, Ahmedabad, 2012	N/A	Electrical Engineering	04-02-18	N/A	N/A	N/A

## C. Faculty/staff training/seminar/conferences

Sr. No.	Faculty	Training Title	Organizer	From	To	Remarks
1	Prof. K.G.Prajapati	Induction Phase - I	NITTR Bhopal	17/09/2018	28/09/2018	
2	Prof. A. M. Patel	Accreditation of Engineering Programmes	NITTTR, Bhopal	10/06/2019	14/06/2019	-----
3	Prof. M G Prajapati	Faculty Development Program on beyond classroom toward Excellence	IITE Gandhinagar	5/09/2018	10/09/2018	
4	Prof. M G Prajapati	Induction Phase -1	Nittr Ahmedabad	22/10/2018	02/11/2018	
5	Prof. M G Prajapati	Faculty Development Program on " Hybrid Electrical Vehicles"	LDCE Ahmedabad	11/03/2019	15/03/2019	
6	Prof.J.H.Patel	Faculty Development program on "Beyond the classroom towards excellence"	Indian Institute of Teacher Education, Gandhinagar	27/07/2018	02/08/2018	NIL
7	Prof.J.H.Patel	MOOC program on " Power System Analysis"	NPTEL	30/07/2018	19/10/2018	81%
8	Prof.J.H.Patel	INDUCTION PHASE-1	NITTTR,Bhopal	31/12/2018	11/01/2019	NIL
9	Prof.M. K Patel	Faculty Development of teachers of technical	IITE Gandhinagar	6/08/2018	11/08/2018	

10	Prof.M. K Patel	Introduction to internet of things	IIT Kharagpur (NPTEL)	30/07/2018	19/10/2018	
11	H. V. Hirvaniya	Induction Phase I	NITTTR Bhopal	25/06/2018	06/07/2018	
12	K.G.Prajapati	Technological Advancements in Electrical Powersystem	DTE Gandhinagar	11/03/2019	22/03/2019	VC Bases online Training
13	Prof H N Chaudhari	Technological Advancements in Power System	GEC Valsad	11/3/2019	22/3/2019	VC Bases online Training
12	H. V. Hirvaniya	Electrical Vehicle	CTE Gujarat	11/03/2019	15/03/2019	

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

Name of faculty	CAY (2018-19)				CAYm1 (2017-18)				CAY m2 (2016-17)			
	IJ	J	IC	C	IJ	J	IC	C	IJ	J	IC	C
Prof. A. M. Patel	1		3		1		2		1		2	
Sum	1	0	3	0	1	0	2	0	1	0	2	0
AY Sum	4				3				3			

**Summery**

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
CAYm2 (2016-17)	-	2	-	1	3
CAYm1 (2017-18)	-	2	-	1	3
CAY (2018-19)	-	3	-	1	4
<b>Total</b>	0	7	0	3	10
<b>Patents filed</b>	0	0	0	0	0

**E. Invited talks/lectures delivered**

Sr. No.	Date / Year	Names of resource persons	Back ground industry/academic /R&D	Topics covered	No. of Beneficiaries
<b>Invited Faculty</b>					
-	--	-	-	-	-
<b>Internal Faculty</b>					
-	-	-	-	-	-



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

Academic Year	Seminar	Workshops	Conferences	Total Nos. of Events Arranged
2018-2019	1(Training)	0	0	1
2017-2018				
2016-2017				

## G. Faculty Quality Upgradation

### Faculty Members deputed for specialized training / higher studies

Schemes	Number of faculty members deputed during last 3 years.			
	Year I (2018 – 2019)	Year II (2017 – 2018)	Year III (2016 – 2017)	Year III (2015 – 2016)
QIP/Study leave	0	1	1	1
Seminars/workshops/Summer schools / winter schools				
Training/Conferences				

## H. Faculty transfers/New appointments

Sr. No.	Department	Name of Faculty	Designation	Transfer/New
1	Electrical	Prof. M D Patel	Assistant Professor	Transfer

## **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 &amp;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 K B Judal	Ph.D	Hybrid Machining and Finishing	Principal	01/04/2017	01/04/2017	Regular
2	Prof. J A Vadher	Ph.D.	Manufacturing Engineering	Professor	23/12/2015	23/12/2015	Regular
3	Prof. A B Patel	ME-Mechanical	Heat Power	Assistant Professor	10/12/2013	-	Regular
4	Prof. V D Patel	ME-Mechanical	JP&GTP	Assistant Professor	16/06/2016	-	Regular
5	Prof. N A Patel	M.Tech. Mechanical	CAD/CAM	Assistant Professor	09/05/2011	-	Regular
6	Prof. A D Patel	ME-Mechanical	Machine Design	Assistant Professor	21/04/2011	-	Regular
7	Prof. A R Chaudhari	ME-Mechanical	Machine Design	Assistant Professor	21/04/2011	-	Regular
8	Prof. P N Boka	M.Tech. Mechanical	Design Engineering	Assistant Professor	19/04/2011	-	Regular
9	Prof. A. K. Patel	M.Tech. Mechanical	Advanced Manufacturing Techniques	Assistant Professor	04/02/2012	-	Regular
10	Prof. N T Raval	ME-CAD/CAM	CAD/CAM	Assistant Professor	21/10/2013	-	Contract

**No of the Available Faculty:**

S. No.	Designation/Numbers	Number of Faculty in the Department for UG	
		CAY (2018-19)	CAYm1 (2017-18)
1.	Professor	1	1
2.	Associate Professor	0	0
3.	Assistant Professor	8	9
4.	Number of Ph.D	1	1

**Detail of Head of the Department for the program:**

Name: Prof. J. A. Vadherel

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	2018- 2019
u1	72
u2	72
u3	72
Total No. of Students in the Department (S)	<b>216</b>
No. of Faculty in the Department (F)	<b>06</b>
Student Faculty Ration (SFR)	<b>SFR1=36</b>

**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 AF2: 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
2018-2019	1	1	2	0	8	7

**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					
J A Vadher	Professor & Head	BE Bhavnagar University 1995	M.Tech IIT, Madras 1998	Ph.D HNGU, Patan 2009	Production	04/02/16		J A Vadher	Professor & Head
A B Patel	Asst. Prof.	BE NGU 1998	ME BITS, Mesra 2012	PUR	Heat Power	15/03/10	3	A B Patel	Asst. Prof.
V.D.Patel	Asst. Prof	B.EG U – 2000	M.E MSU – 2003	-	THERMAL	08/04/10	3	V.D.Patel	Asst. Prof
N. A. PATEL	ASST. PROF.	B. E. NGU-2002	M.TECH. GANPAT UNI.-2009	PUR	CAD/CAM	09/05/11	2	N. A. PATEL	ASST. PROF.
K. V. Patel	ASST. PROF.	B. E. GU-2002	M.E-SPU-2007	PUR	MACHINE DESIGN	30/4/11	0	K. V. Patel	ASST. PROF.

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					
A. D. PATEL	ASST. PROF.	B. E. GU-2003	M.E-SPU-2009	-	MAC HINE DESI GN	21/4/11	1	A. D. PATE L	ASST. PROF.
A. R. Chaudh ary	ASST. PROF.	B.E-SPU-2005	M.E-SPU-2008	PUR	MAC HINE DESI GN	21/4/11	-	A. R. C.	ASST. PROF.
P. N. BOKA	ASST. PROF.	B.E. KSKV , KU-2008	M.Tech -IITB-2015	-	DESI GN ENGI NEER ING	25/09/08	1	P. N. BOKA	ASST. PROF.
A.K. Patel	ASST. PROF.	B.E. HNG U 2002	M.Tech GANP AT UNI 2008	PUR	AMT	04/02/12	-	A.K. Patel	ASST. PROF.
N.T. Raval	ASST. PROF.	B.E. SPU 2010	M.E. GTU 2013	-	CAD/ CAM	23/10/13	-	N.T. Raval	ASST. PROF.

### C. Faculty/staff training/seminar/conferences

Sr. No.	Name of Faculty	Title of the Training	Place of The Training	From	To
1	Prof.V.D.Patel	PROCESS INSTRUMENTATION	GEC, PATAN	05-02-2018	09-02-2018
2	Prof.V.D.Patel	SOLAR THERMAL TECHNOLOGIES FOR FUTURE OF INDIA	GEC, PATAN	23-07-2018	27-07-2018
3	Prof.A.B.Patel	DTE approved One Week Short Term Training Program on “Advances of Refrigeration and Air-conditioning”	L.D. College of Engineering, Ahmedabad	08-10-2018	12-10-2018

## Administrative/Academic Staff development

Sr. No.	Name of Faculty	Title of the Training	Place of The Training	From	To
4	Prof.A.B.Patel	Faculty Development Program for Design Engineering (Level 1)	Gujarat Technological University, Ahmedabad	16-01-2018	19-01-2018
5	Prof.N.A.Patel	Academic Audit and Prepration for NBA Accrediation	NITTTR, Ext. Centre, Ahmedabad	28-05-2018	08-06-2018
6	Prof.N.A.Patel	Innovation and advancement in Conventional Industrial Welding Practices.	LDCE, Ahmedabad	11-03-2019	15-03-2019
7	Prof.A.D.Patel	3 days FDP for student Induction program	Ganpat University, Kherva	07-06-2018	09-06-2018
8	Prof.A.D.Patel	7 days FDP for student Induction program	GTU, Ahmedabad	30-06-2018	06-07-2018
9	Prof.A.R.Chaudhari	Innovation and advancement in Conventional Industrial Welding Practices.	LDCE, Ahmedabad	28-05-2018	08-06-2018
10	Prof.P.N.Boka	Application of Matlab in Mechanical Engineering Analysis	IIT RAM, Ahmedabad	02-07-2018	06-07-2018
11	Prof.A.K.Patel	Design Engineering	GTU Chandkheda Campus	16-01-2018	19-01-2018
12	Prof.A.K.Patel	Advances in Nano Technology	NITTTR, Ext. Centre, Ahmedabad	09-07-2018	13-07-2018

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

Name of faculty	CAYm2 (2016-17)				CAYm1 (2017-18 )				CAY (2018-19)			
	IJ	J	IC	C	10	0	0	0	IJ	J	IC	C
JAV	8	0	2	0	0	0	0	0	1	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	0	0	0	0
NAP	0	0	1	0	0	0	1	0	0	0	0	0
ADP	0	0	0	0	0	0	0	0	0	0	0	0
ARC	0	0	0	0	0	0	0	0	0	0	0	0
KVP	0	0	0	0	0	0	0	0	0	0	0	0
PNB	0	0	0	0	0	0	0	0	0	0	0	0
AKP	0	0	0	0	0	0	0	0	0	0	0	0
NTR	0	0	0	0	10	0	1	0	0	0	0	0
Sum	8	0	3	0	10	0	0	0	1	0	0	0
AY Sum	11				11				1			

**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 (2018-19)	0	0	0	1	1
CAYm1 (2017-	0	1	0	10	11
CAYm2 (2016-	0	3	0	8	11
<b>Total</b>	0	4	0	19	23
<b>Patents filed</b>	-	-	-	-	-

**E. Invited talks/lectures delivered: Deptt. Wise**

Sr. No.	Date / Year	Names of resource persons	Back ground industry/academic /R&D	Topics Covered	No. of Beneficiaries
NIL					

**F. Research projects/COE/Labs/Training seminar organized  
Seminars/Workshops/Conferences**

Academic Year	Seminar	Workshops	Conferences	Total Nos. of Events Arranged
2017-2018	0	0	0	0
2016-2017	0	0	0	0
2015-2016	0	0	0	0

**G. Faculty Quality Upgradation****Faculty Members deputed for specialized training / higher studies**

Schemes	Number of faculty members deputed during last 3 years.		
	Year I (2018 – 19)	Year II (2017 –18)	Year III (2016 – 17)
QIP/Study leave	0	0	0
Seminars/workshops/Summer schools /winter schools	0	0	0
Training/Conferences	12	6	11

**H. Faculty transfers/New appointments**

Sr. No.	Department	Name of Faculty	Designation	Remarks
1	Mechanical	Prof. K V Patel	Assistant Professor	Transfer



## **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 &amp; 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	Geology	Assistant Professor	29-06-1998	-	Regular
2	Mr. J.V. Modi	M.Tech MINING ENGINEERING	Rock Excavation Technology & Management	Assistant Professor	01-05-2018	-	Regular
3	Mr. Suraj Kumar	M.Tech MINING ENGINEERING	Mining Engineering	Assistant Professor	08-05-2018	-	Regular

## No of the Available Faculty:

Sr. No.	Designation/Numbers	Number of Faculty in the Department for UG	
		CAY (2018-19)	CAYm1 (2017-18)
1.	Professor	0	0
2.	Associate Professor	0	0
3.	Assistant Professor	2	0
4.	Number of Ph.D	0	0

## Detail of Head of the Department for the program:

Name: Dr. Hitesh B Patel

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	2018- 2019
u1	13
u2	27
u3	33
Total No. of Students in the Department (S)	<b>73</b>
No. of Faculty in the Department (F)	<b>2</b>
Student Faculty Ration (SFR)	<b>SFR1=36.5</b>

**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
<b>2018-2019</b>	1	0	0	0	7	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	No. of Research publications	# of current R&D and consultancy projects and the amount	Award of any
		UG	PG	Doctorate					
Hitesh B Patel	Asst Prof.	1994	1996	-	Geology	29-06-1998	-	-	-
Prof. J.V. Modi	Asst Prof.	2009	2014	-	Rock Excavation Technology & Management	01-05-2018			
S.K.modi	Asst Prof.	2007	2009	-	Mining Engineering	08-05-2018			

**C. Faculty/staff training/seminar/conferences**

Faculty Name	Title of the training	Venue	From	To
Suraj Kumar	Faculty Development Programme, for Faculties of Technical Courses.	IITE Gandhinagar	12 <sup>th</sup> July 2018	18 <sup>th</sup> July 2018
J.V.Modi	Faculty Development Programme, for Faculties of Technical Courses.	IITE Gandhinagar		

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

Name of faculty	CAYm2 (2018-19)				CAYm1 (2017-18)				CAY (2016-17)			
	IJ	J	IC	C	IJ	J	IC	C	IJ	J	IC	C
J.V.Modi	-	1	-	-	-	-	-	-	-	-	-	-
Suraj Kumar	-	-	-	-	1	-	-	-	-	-	-	-
Sum	-	1	-	-	1	-	-	-	-	-	-	-
<b>A.Y. Sum</b>												

**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
2018-19	-	-	01	-	01
2017-18	--	--	--	01	01
2016-17	--	--	--	--	--
<b>Total</b>	--	--	01	01	02
<b>Patents filed</b>	--	--	--	--	--

**E. Invited talks/lectures delivered**

Sr. No.	Date / Year	Names of resource persons	Back ground industry / academic / R & D	Topics covered	No. of Beneficiaries
<b>Invited Faculty</b>					
Nil					
<b>Internal Faculty</b>					
Nil					

**F. Research projects/COE/Labs/Training seminar organized****Seminars/Workshops/Conferences**

Academic Year	Seminar	Workshops	Conferences	Total Nos. of Events Arranged
2018-2019	Nil			
2017-2018	1	0	1	1
2016-2017	1	0	1	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 (2018 – 2019)	Year II (2017 – 2018)	Year III (2016 – 2017)	Year IV (2015 – 2016)
QIP/Study leave	0	0	0	0
Seminars/workshops/Summer schools / winter schools	0	0	0	0
Training/Conferences	0	1	1	0

## H. Faculty transfers/New appointments

Sr. No.	Department	Name of Faculty	Designation	Remarks
1	Mining	J.V.Modi	Assistant Professor	New appointment
2	Mining	Suraj Kumar	Assistant Professor	New appointment

## I. Institute Work Distribution

No.:GECPL/Admin/2018-19/867

Date: 12 / 7 / 2018

### Office Order

(with effect from Date: 13/07/2018)

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.

<b>1</b>	<b>Head, Human resource (Faculty &amp; Staff)</b>	<b>Convener</b>	<b>Members</b>
1	Administrative officer	Prof P.C.Vasani	
2	Institute Overload committee and workload calculation	Dr.C.G.Prajapti	D.A.Patel
3	RTI/ Legal Matters	H.N.Chaudhary	N.A.Mistry
4	Internal Complaint Committee (ICC)/Women Development Cell	R.H.Chudhary	M.R.Suneja
5	IQAC/ CAS/API	P.C.Vasani Dr.J.A.Vadher	H.B.Patel, B.R.Patel
6	Grievance Redressal Committee (Faculty & Staff)	P.C.Vasani	A.V.Vaghela
7	Faculty/ Staff Training	Dr.K.B.Judal	J.H.Patel
8	Accounts/IFMS Matters/Income Tax	D.A.Patel	M.G.Prajapati
<b>2</b>	<b>Head,Student Affairs:</b>	<b>Convener</b>	<b>Members</b>
1	Student Section	V.D.Patel	R.H.Chaudhari, Surajkumar Modi M.K.Patel,
2	Student Scholarship	K.G.Prajapati	J.V.Modi
3	Gymkhana	H.B.Patel	Dr.K.M.Korot-Sports Council N.A.Patel-S&T Council Dr.C.G.Prajapati- Cul.Council
4	Alumni Association	A.M.Patel	H.U.Patel
5	NSS	Dr. C.G.Prajapati	D.A.Patel
6	Anti-Regging Committee	Dr.K.M.Korot	M.R.Suneja
7	Mentor International Student CSR	H.B.Patel	
8	Admission & Help Center	A.D.Patel	K.G.Prajapati
9	Grievance Redressal Committee (Student)	D.A.Patel	A.V.Vaghela

10	Misson Antyodaya, 100 Activity Points/MGMS	S.G.Chauhan	M.R.Suneja
<b>3</b>	<b>Head, Store &amp; Purchase:</b>	<b>Convener</b>	<b>Members</b>
1	Central Store (Insti. Purchase /Vikaslaxi/New Items)/ST/ AMTS & Tendering For Outsourcing, Write-off	B.R.Patel	A.R.Chaudhari,
<b>4</b>	<b>Head, Academics:</b>	<b>Convener</b>	<b>Members</b>
1	First Year Coordination / IIPC	A.D.Patel	K.G.Prajapati, S.G.Chauhan, J.V.Modi
2	Institute Timetable	A.M.Patel	C.G.Prajapati, M.D.Patel A.R.Chaudhari, R.K.Rathod
3	Institute Information Compilation Committee including CTE Follow-up, Minutes of Meeting	M.D.Patel	J.V.Modi
4	GTUExamination/GTU Affiliation,	Dr.K.M.Korot	H.V.Hirvaniya, H.U.Patel, J.H.Patel
5	AICTE/NIRF/AISHE	H.V.Hirvaniya	
6	Academic Inspection, Student Attendance Monitoring	K.V.Patel	Y.J.Chauhan
7	NBA Coordinator	A.M.Patel, N.A.Patel	A.D.Patel, R.K.Rathod
8	,GTU IDP/UDP, CIC3, Startup Innovation and Design School, Virtual Lab	N.A.Patel	H.V.Hirvaniya, R.K.Rathod
<b>5</b>	<b>Head, Infrastructure &amp; Maintenance:</b>	<b>Convener</b>	<b>Members</b>
1	Civil Maintenance and Liaison with PWD	U.R.Singh	Dr.G.M.Savaliya
2	Housekeeping/Landscaping	U.R.Singh	A.B.Patel
3	Electrical Maintenance and Liaison with R&B Electrical	B.R.Patel	N.A.Mistry
4	Mechanical Maintenance (RO/AC/FE)	A.R.Chaudhary	A.K.Patel
5	Computer/ Printer/Projector Network, Internet, CCTV, VC management and Maintenance issues	P.N.Boka	N.T.Raval, M.J.Trivedi
6	Campus Security	H.N.Chaudhari	N.A.Mistry
7	KYC Portal, Website management and updating MIS	A.K.Patel	M.J.Trivedi
8	MIS	A.K.Patel	M.J.Trivedi
<b>6</b>	<b>Head, Industry &amp; Outreach:</b>	<b>Convener</b>	<b>Members</b>
1	Training and Placement Cell /Finishing School	Dr.G.M.Savaliya	K.V.Patel, H.V.Hirvaniya
2	Industry-Institute Interaction Cell/MOU/CII	K.V.Patel	N.R.Kotiya



3	Institute Publishing Committee, Institute Brochure, E- Newsletter, Inst & Dept Brochure, Media Coordinator	A.B.Patel	A.D.Patel, N.T.Raval
4	Professional bodies and Student Chapters	Y.J.Chauhan	N.R.Kotiya
5	RUSA and Other GOI Scheme	M.D.Patel	H.U.Patel
6	GKS/Language Lab /Skill Development	Surajkumar Modi	
7	Entrepreneurship Development Cell/Design Lab/Center Of Excellence	P.N.Boka, A.D.Patel	M.K.Patel
<b>7</b>	<b>Head, Industry &amp; Outreach:</b>	<b>Convener</b>	<b>Members</b>
1	Library	M.G.Prajapati	M.N.Prajapati
2	Hostel Rector / Medical Facility	Prof.J.A.Vadher	G.M.Patel, K.Ranavisaya
3	Hostel Wardem (Boys)	A.B.Patel	J.G.Prajapati, M.J.Trivedi
4	Canteen, Student Store and other student Amenities	H.U.patel	M.N.Prajapati

**Responsibilities of related Officer Incharge:**

1. Prepare an annual action plan with clear objective by following standard methodology considering NBA requirement 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. Officer incharge if required.
4. Conducting committee/representatives meeting at regular interval to identify progress/lagging /follow-up and preparation of MoM.
5. 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.

No.:GECPL/Admin/2018-19/1399

Date: 29 / 10 / 2018

**Office Order****(with effect from Date: 01/11/2018)**

Following administrative/ managerial responsibilities 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.

<b>1</b>	<b>Head, Human resource (Faculty &amp; Staff)</b>	<b>Convener</b>	<b>Members</b>
1	Administrative officer	H.I.Chaudhary	A.V.Vaghela
2	Institute Overload committee and workload calculation	Dr.C.G.Prajapati	D.A.Patel
3	RTI/ Legal Matters	H.N.Chaudhary	N.A.Mistry

4	Internal Complaint Committee (ICC)/Women Development Cell	R.H.Chudhary	M.R.Suneja
5	IQAC/ CAS/API	P.C.Vasani Dr.J.A.Vadher	H.B.Patel, B.R.Patel
6	Grievance Redressal Committee (Faculty & Staff)	P.C.Vasani	A.V.Vaghela
7	Faculty/ Staff Training	M.G.Prajapati	J.H.Patel
8	Accounts officer	H.I.Chaudhary	
<b>2</b>	<b>Head, Student Affairs:</b>	<b>Convener</b>	<b>Members</b>
1	Student Section	V.D.Patel	R.H.Chudhari, M.K.Patel, Surajkumar Modi
2	GTU Related Services & Examinations	V.D.Patel	H.U.Patel M.K.Patel, Surajkumar Modi
3	Student Scholarship & Related matters	K.G.Prajapati	J.V.Modi
4	Gymkhana	A.M.Patel	Dr.K.M.Korot- Sports Council N.A.Patel-S&T Council K.V.Patel- Cul.Council
5	Alumni Association	H.B.Patel	H.U.Patel
6	NSS	Dr. C.G.Prajapati	D.A.Patel
7	NCC	Dr.K.M.Korot	Y.J. Chauhan
8	Anti-Regging Committee	Dr.K.M.Korot	M.R.Suneja
9	Mentor International Student CSR	Y.J. Chauhan	
10	Admission & Help Center	K.G.Prajapati	Surajkumar Modi N.R.Kotiya
11	Grievance Redressal Committee (Student)	D.A.Patel	H.I.Chaudhary
12	Mission Antyodaya, 100 Activity Points/MGMS	S.G.Chauhan	M.R.Suneja
<b>3</b>	<b>Head, Store &amp; Purchase:</b>	<b>Convener</b>	<b>Members</b>
1	Central Store (Insti. Purchase /Vikaslaxi/New Items)/ST/ AMTS & Tendering for Outsourcing, Write-off	B.R.Patel	A.R.Chaudhari,
<b>4</b>	<b>Head, Academics:</b>	<b>Convener</b>	<b>Members</b>
1	First Year Coordination / IIPC	A.D.Patel	K.G.Prajapati, S.G.Chauhan, J.V.Modi
2	Institute Timetable	C.G.Prajapati	M.D.Patel A.R.Chaudhari, R.K.Rathod

3	Institute Information Compilation Committee including CTE Follow-up, Minutes of Meeting	K.V.Patel	J.V.Modi
4	AICTE/ GTU Affiliation, AISHE/NIRF	K.V.Patel	H.V.Hirvaniya, J.H.Patel R.K.Rathod
5	NBA/Academic Inspection	A.M.Patel, N.A.Patel	A.D.Patel, N.R.Kotiya
6	,GTU IDP/UDP, CIC3, Startup Innovation and Design School, Virtual Lab	N.A.Patel	H.V.Hirvaniya, R.K.Rathod
<b>5</b>	<b>Head, Infrastructure &amp; Maintenance:</b>	<b>Convener</b>	<b>Members</b>
1	Civil Maintenance and Liaison with PWD	U.R.Singh	Dr.G.M.Savaliya
2	Housekeeping/Landscaping	U.R.Singh	S.G.Chauhan
3	Electrical Maintenance and Liaison with R&B Elect.	B.R.Patel	N.A.Mistry
4	Mechanical Maintenance (RO/AC/FE)	A.R.Chaudhary	A.K.Patel
5	Computer/ Printer/Projector Network, Internet, CCTV, VC management and Maintenance issues	P.N.Boka	N.T.Raval, M.J.Trivedi
6	Campus Security	H.N.Chaudhari	N.A.Mistry
7	KYC Portal, Website management and updating MIS	A.K.Patel	M.J.Trivedi
8	MIS	A.K.Patel	M.J.Trivedi
<b>6</b>	<b>Head, Industry &amp; Outreach:</b>	<b>Convener</b>	<b>Members</b>
1	Training and Placement Cell / Industry-Institute Interaction Cell/MOU/CII	N.A.Patel	Dr.G.M.Savaliya P.N.Boka H.V.Hirvaniya
2	Institute Publishing Committee, Institute Brochure, E- Newsletter, Inst & Dept Brochure, Media Coordinator	A.B.Patel	A.D.Patel, N.T.Raval
3	Professional bodies and Student Chapters	H.B.Patel	N.R.Kotiya
4	RUSA and Other GOI Scheme	M.D.Patel	H.U.Patel
5	GKS/Language Lab /Skill Development/Finishing school	Dr.G.M.Savaliya	M.G.Prajapati
6	Entrepreneurship Development Cell/Design Lab/Center OF Excellence	P.N.Boka, A.D.Patel	M.K.Patel
<b>7</b>	<b>Head, Amenities</b>	<b>Convener</b>	<b>Members</b>
1	Library	M.G.Prajapati	M.N.Prajapati
2	Hostel Rector / Medical Facility	Prof.J.A.Vadher	
3	Hostel Wardem (Boys)	A.B.Patel	H.N.Chaudhari
4	Canteen, Student Store and other student Amenities	M.D.Patel	M.N.Prajapati

Note: For portofolio specific roles & responsibility and related information refer TEIM for GECs (may-2018)

**Responsibilities of concerned Officer Incharge:**

1. Prepare an annual action plan with clear objective by following standard methodology considering NBA requirement 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. Officer incharge if required.
4. Conducting committee/representatives meeting at regular interval to identify progress/lagging /follow-up and preparation of MoM.
5. 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.

## J. New Student Related Policies Framed

- Formation of Alumni Association will be finalized by the end of October-2017. Responsibility will be given to concern committee.
- It was decided to start NCC in the institute.
- Student welfare related:

In Order to establish holistic interaction with students, their welfare and inspiration of talented students, it was decided to constitute SWC. The SWC will frame guidelines for the welfare of students.

- Sanction of TA/DA to the students for participating in various events:

It was decided to pay TA-DA to the students attending various Technical/Sports/Cultural/Social programmes / competitions outside the college with prior approval through concern officer-incharge. TA will be limited to Sleeper class railway fare/Non-AC bus fare. If group of students/team travelled by hired car/Jeep between places they shall be entitled to draw TA limited to minimum of either actual fare paid for hiring car/jeep or bus/railway sleeper class fare of group of students by shortest route. DA limited to Rs.100/- per student will be paid. The expenditure will be paid from Gymkhana fund. The event registration fees will be reimbursed when, produce a registration fees token.

## K. Institutional Committees

NO:GEC/156

Dt.28/01/2019

### 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 till further order.

Sr. No.	Name of Committee Member	Designation	Position in Committee
1.	Dr. K. B. Judal	Principal	Chairperson
2.	Dr. K.M.Korot	Asstt. Professor	Convener
3.	Prof. M. R. Suneja	Asstt. Professor	Member (Faculty representative)
4.	Smt. Laxmiben Karen	Member of District Panchayat Banaskantha	Member (Representative Civil)
5.	Mr. Narendra D. Patel	PSI-DSP Office Palanpur	Member (Representative Police)
6.	Mr. Hasmukh Bhai	News Reporter-ETv	Member (Representative Media)
7.	Mr. Puravbhai Modi	Member, Indian Tiger Group	Member (Representative NGO)
8.	Mr. Nayanbhai P. Joshi	Service, PGVCL	Member (Parent)
9.	Paresh Chaudhari	Student-Electrical	Student Member
10.	Kamalkant Saini	Student-Mechanical	Student Member
11.	Mr.Kishan Nagar	Student-Mining	Student Member
12	Ruchita Maheta	Student-Electrical	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.

### 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.(Dr.) J. A. Vadher	Professor
2.	Prof. H. B. Patel	Professor
3.	Prof. B. R. Patel	Assistant Professor
4.	Prof. V.D.Patel	Assistant Professor
5.	Mr. G. M. Patel	Store Keeper
6.	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.

### Grievance Redressal Committee

As per All India Council for Technical Education (Establishment of Mechanism for Grievance Redressal) Regulations, 2012, F. No. 37-3/ Legal 12012, 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. K. B. Judal	Principal	Chairman
2.	Prof. (Dr.) J. A. Vadher	HOD-Mechanical	Member
3.	Prof. B. R. Patel	HOD-Electrical	Member
4.	Prof. (Dr.) F.J.Narshighani	Assistant Professor	Member
5.	Prof. H. B. Patel	HOD-Mining	Member
6.	Mr. A. V. Vaghela	Office Superintendent	Member
7.	Prof. D. A. Patel	Assistant Professor	Convener

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.

NO:GEC/151

Dt.28/01/2019

### 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
Presiding Officer:			
1	Prof. R. H. Chaudhary	Assistant Professor	9925029215
Faculty Members:			
2	Prof. F.J.Narshighani (Dr.)	Assistant Professor	
3	Prof. M. R. Suneja	Assistant Professor	8153878594
Non-Teaching Members:			
4	Mrs. S.B.Chaudhary	Clerk	9726272476
5	Mr. G. M. Patel	Store Keeper	9429307852
Student Members:			
6	Miss.Rami Anjiben	BE 6 <sup>th</sup> Civil Engineering	8140635527
7	Miss.Patel Jigisha	BE 6 <sup>th</sup> Civil Engineering	7265891324
8	Mr.Kamlkant Saini	BE 6 <sup>th</sup> Mechanical Engineering	8000811754
Member from NGO:			
9	Smt. Laxmiben Karen	Member of District Panchayat	9426515866

The Internal Complaints Committee shall:

1. Provide assistance if an employee or a student chooses to file a complaint with the police;
2. Provide mechanisms of dispute redressal and dialogue to anticipate and address issues through just and fair conciliation without undermining complainant's rights, and minimize the need for purely punitive approaches that lead to further resentment, alienation or violence;
3. Protect the safety of the complainant by not divulging the person's identity, and provide the mandatory relief by way of sanctioned leave or relaxation of attendance requirement or transfer



to another department or supervisor as required during the pendency of the complaint, or also provide for the transfer of the offender;

4. Ensure that victims or witnesses are not victimized or discriminated against while dealing with complaints of sexual harassment; and
5. Ensure prohibition of retaliation or adverse action against a covered individual because the employee or the student is engaged in protected activity.

NO:GEC/160

Dt:28/01/2019

### **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-Maths	9925029215
Faculty Members:			
2	Prof. S.G.Chauhan	Assistant Professor	9979622187
3	Prof. M. R. Suneja	Assistant Professor-Electrical	8153878594
4	Mrs. N. K. Prajapati	Lab. Assistant- Mechanical	9099760971
5	Mrs.M.B.Chaudhry	Jr.Clerk	8238042896
Student Members:			
6	Viramgami Priya	Student (Electrical, 2 <sup>th</sup> Sem)	7016632133
7	Khatri Riddhi	Student (Electrical, 2 <sup>th</sup> Sem)	6351919909
8	Parmar Krupal	Student (Electrical, 2 <sup>th</sup> Sem)	6354038911
9	Parmar Kinjalben	Student (Civil, 8 <sup>th</sup> Sem)	7096537966

#### 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. S. G. Chauhan	Assistant Professor-Civil	9979622187
3	Ms.S.B.Chaudhary	Jr.Clerk	9726272476
4	Jigisha Patel	6 <sup>th</sup> Civil	72658991324
Student Members:			
5	Parmar Krupali	Student (Electrical, 2 <sup>th</sup> Sem)	6354038911
6	Mahima Khar	Student (Electrical, 2 <sup>th</sup> Sem)	9426024280
7	Amin Ayushi	Student (Electrical, 2 <sup>th</sup> Sem)	7096861194

#### 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, 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 programmes and create awareness about self-employment & self-defense for the encouragement of self-reliance among women.

**PHYSICAL DISABILITY GRIEVANCE REDRESSAL COMMITTEE****Objective of the Cell**

The Committee members shall take all necessary steps to ensure that persons with disabilities enjoy the right of equality guaranteed by article 15 of the Constitution of India, on an equal basis with others. The following is the list of members representing Physical Disability Grievance Redressal Committee of Government Engineering College, Palanpur

Sr. No.	Name of Committee Member	Designation	Position in Committee
1.	Dr. K. B. Judal	Principal	Chairperson
2.	Prof.P.N.Boka	Asstt. Professor	Convener
3.	Prof. K.G.Prajapati	Asstt. Professor	Member
4.	Prof. N.A.Patel	Asstt. Professor	Member
5.	Ms.Rami Anjaliben	BE CIVIL -6 SEM	Student Coordinator
6.	Mr.Kiran Chaudhary	BE CIVIL -8 SEM	Student Coordinator

**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. K. B. Judal	Principal	Chairperson
2.	Prof.J.A.Vadher	Asstt. Professor	Liaison Officer
3.	Prof. R.H.Chaudhary	Asstt. Professor	College Representative Member Open (Female)

## L. Activities of Woman Development Cell

- ❖ Arrange One day training programme on “Entrepreneurship” on 30/08/2018 participants are more then 56.



# **LIBRARY**

# LIBRARY

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Government Engineering College, Palanpur 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 11947. Total 175 volumes of books helping the students to crack the competitive examinations 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.

## **Newspapers & Magazines**

Total 24 journals are and three major daily news paper are subscribed in the library for the student to keep them abreast with day-to-day happenings in all fields across the globe.

- Gujarat Samachar
- Sandesh News
- Time of India

## **Reading Area**

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

## **Library Utilization:**

From July -2018 to June 2019 total books issued to the faculty is 188 and to the students are 1446.

## **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

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

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

DESKTOP PC	367
PRINTER/COPIER	70
LAPTOP	18
SCANNER	6
CAMERA	36
LCD PROJECTOR	12
UPS SERVER	15
MATLAB SOFTWARE	

Availability of points of connection for Internet, WiFi, Camera

LAN POINTS	490
WIFI POINTS	20
CAMERA POINTS	40
NAMO WIFI POINTS	7

INTERNET PROVIDER

RAILTEL	100MBPS
BSNL	2MBPS
GSWAN	100MBPS



## 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 charges per month Rs. 1444 – provides
  - Tea in morning
  - Lunch
  - Snack in evening
  - Dinner

### ii. OFFICER/STAFF QUARTERS

Class-I and Class-III staff quarters are under construction.

# BUDGET ALLOCATION AND UTILIZATION

Sr. No.	OBJECT HEAD	ALLOCATION OF GRANT	UTILISATION	Remark
1	2	3	4	5
	<b>OBJECT CLASS-1</b>			
1	Salaries	38524000	38523198	
	<b>OBJECT CLASS-2</b>		<b>0</b>	
1	Domestic Travel Expenses	2435000	190178	
2	Office Expense		2216030	
3	Rent Rates and Taxes		<b>0</b>	
4	Publications/Library		28471	
5	Banking Cash Transaction Tax		<b>0</b>	
	<b>TOTAL</b>	2343500	2434679	
	<b>OBJECT CLASS-3</b>		<b>0</b>	
1	Supplies and Materials	8388000		
2	Advertising & Publicity		<b>0</b>	
3	Professional Services		393960	
4	Out sourcing(Man Power)		7993327	
	<b>TOTAL</b>	8388000	8387287	
	<b>OBJECT CLASS-6</b>			
1	<b>Motor Vehicales</b>	484000		
2	<b>Machinery &amp; Equipment</b>		474505	
	<b>TOTAL</b>	484000	474505	
1	Gymkhana	343733	331702	Up to March-2019
2	Social gathering	86100	159414	
3	Student welfare	86100	47500	
4	GTU internal	250585	280666	
	<b>GRAND TOTAL</b>	<b>50,597,518</b>	<b>50,638,951</b>	

*Note: All figures are in INR.*



**"Education should be so revolutionized as to answer the wants of the poorest villager, instead of answering those of an imperial exploiter."**

## 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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