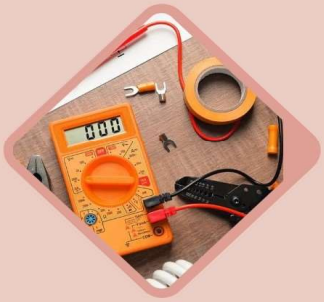
GOVERNMENT ENGINEERING COLLEGE MODASA

ELECTRICAL ENGINEERING DEPARTMENT



ELECTROZINE

2024

प्राथॅना

हे शारदे माँ, हे शारदे माँ

अज्ञानता से हमें तार दे माँ,

तू स्वर की देवी है संगीत तुझसे,

हर शब्द तेरा है हर गीत तुझसे ।

हम हैं अकेले हम है अधुरे,

तेरी शरण में हमें प्यार दे माँ ।।

हे शारदे माँ, हे शारदे माँ.....

मुननयों ने समझी मुननयों ने जानी,

बेदों की भाषा पुराणों की बानी ।

हम भी तो समझें हम भी तो जाने,

नवद्या का हमको अनधकार दे

ABOUT THE MAGAZINE

This magazine aims to focus on the Department of Electrical Engineering of GEC Modasa, where various activities are being conducted among students and faculties. It also dives into the extraordinary talent among the students who do their level best in their academics as well as broadcast their inner talents and hobbies to enhance the glory of the Department.

INDEX

VISION

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

MISSION

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

Program Educational Objectives (PEOs)

The Graduates will be able to

- **Design, model, analyze and provide appropriate solutions to the industry-based problems.**
- **Demonstrate entrepreneurial skills and lifelong learning during the career.**
- **Adapt themselves with the new technological challenges.**
- **Exhibit professional leadership skills imbibing ethical practices.**
- **Contribute idea with effective communication and work in a team to develop projects and plans.**

Program Specific Outcomes (PSO)

- **PSO 1: Utilize the domain knowledge cultivated from courses of Electrical Engineering encompassing Analysis, Control, Protection, Design of Electrical Machines and Power Systems.**
- **PSO 2: Evaluate the existing system and provide technical solutions to meet the societal needs.**

PRINCIPAL'S DESK

Dear Students & Faculty members,

Warm greetings to all students and faculty members of this institute. I have joined this institute as a principal from 1st, June, 2019. Before that I served here as a Professor & Head of Applied Mechanics Department for about four years. Hence, I am quite aware about strength and weakness of this institute. The institute has grown by improving quality and quantity in terms of academic activities as well as extracurricular activities in the last decade. But there is always a scope for improvement. Hence with the effort of all students, faculties and staff, we wish to place the institute to the next level of success.

Today the world is accelerating very fast due to rapid technological developments. Hence it is very difficult to impart engineering education in a conventional classroom method. We insist frequent visit to industries, project-based learning, innovative way of teaching learning, pedagogy etc. for making engineering education more meaningful and excited. The institute has very good, qualified, sincere and dedicated faculties as well as very well-developed laboratories in all courses it runs. Hence students are requested to take the maximum benefits of the knowledge available from the campus for capacity building of the nation.

Due to technological developments, there is boom across the globe regarding reduction in jobs and due to increasing population there is a cut-throat competition. Hence there is a lot of expectation from the society that engineers should become job giver or job creator rather than job taker. Our Hon'ble Prime Minister has also acted on this issue by initiating various missions like Make in India, Digital India, Skill India, Start Up India etc. I urge all engineering students to put sincere efforts to the best of your capacity to succeed in various mission of our Hon'ble Prime Minister in reducing the problem of unemployment. Institute provide all sorts of help in initiating your start up and making you successful entrepreneur. The only thing you need is, to develop out of box thinking, hard work and stop not till the goal is reached.

HEAD OF THE DEPARTMENT'S DESK

Greetings!
I take the privilege to welcome you all to this new edition of Electro zine. Electro zine is a barometer of the activities taking place in the department and the achievements of students/faculty of the department.

The strength of Electrical engineering Dept, is well qualified and dedicated faculty with good infrastructure facility. The faculty in the department is of the opinion that the individual diligence, quest for knowledge and excellence and hard work by the students in the right direction play a crucial role in his/her success. The students are motivated to take maximum advantage of the knowledge in the department. A number of co-curricular and extra-curricular activities take place in the department to harness the potential and talents of students.

The department provides an environment where teaching and learning process is supplemented with critical thinking and problem-solving skills that would help the students mold themselves to become competent in the engineering field and thus serve the society.

I appreciate and acknowledge the zeal and enthusiasm of the students who have worked towards the making of this magazine. My heartfelt gratitude to them.
All the best to my students!

ABOUT THE DEPARTMENT

It is the very first building entering the campus. This department has various laboratories in the areas of Basic Electrical, Microprocessor, Electrical Machine Electrical Measurement, Power Electronics, Computer Laboratory, High Voltage, and Switchgear & Protection Laboratory. The Department has an excellent Computer Centre. This department has laboratories in the field of Electrical Measurement, Electrical machines, Power systems, Microprocessors, High Voltage Engineering, Electronics, and Control. It looks after the electric service/maintenance of the campus.

ABOUT THE COURSE

Electrical engineering, one of the core courses of engineering discipline deals with the study of the design, development, and maintenance of electrical systems and their components, ensuring quality , safety , reliability, and sustainability The course focuses on the manufacturing of electrical equipment used in a number of sectors including construction and building and the production and distribution of power. Students pursuing electrical engineering study about semiconductors and microprocessors. The undergraduate course will award a B . Tech / B . E . degree and the postgraduate course , an M . Tech . An electrical engineer is someone who designs and develops new electrical systems , solves problems and tests equipment . They study and apply the physics and mathematics of electricity, electromagnetism and electronics to both large and small scale systems to process information and transmit energy . They work with all kinds of electronic devices , from the smallest pocket devices to large supercomputers An electrical engineer is someone who designs and develops new electrical consoles problems and tests equipment . They study and apply the physics and mathematics of electricity , electromagnetism and electronics to both large and small , scale systems to process information and transmit energy . They work with all kinds of electronic devices , from the smallest pocket devices to large supercomputers .

Facilities

- **Basic Electrical Lab**
- **Electrical Machine Lab**
- **Electrical Measurement Lab**
- **Instrumentation Lab**
- **Digital Electronics Lab**
- **PLS and DSP Lab**
- **Microprocessor Lab**
- **Switchgear and Protection Lab**
- **Basic/Analog Electronics**
- **Power Computation Lab**
- **High Voltage Lab**
- **Control Lab**

FACULTY & STAFF

Prof. V.J.Updhyay	Professor and Head of the Department	Prof. T.A.Chaudhri	Assistant Professor
Prof. M. J. Patel	Associate Professor	Prof. C. K. Bariya	Assistant Professor
Prof. U.L.Mackwana	Assistant Professor	Prof. R. K. Kapadia	Assistant Professor
Prof. N. V. Upadhyay	Assistant Professor	Prof. S. V. Banker	Assistant Professor
Prof. J.B.Pujara	Assistant Professor	Prof. D.U.Thakar	Assistant Professor
Prof. K. K. Bhatt	Assistant Professor	Prof. H.S.Pandya	Assistant Professor
Prof. T.P.Shah	Assistant Professor	Shri. S. J. Patel	Electrician

Training Attended by Faculty

Sr. No.	Name of Faculty	Training Title	Starting Date of Training			Ending Date of Training			Duration
1	**Hemang S. Pandya**	"Public Speaking"	12	july	2023	13	oct	2023	**12 WEEK**
2	**Hemang S. Pandya**	Induction Training phase-2	11	Sept	2023	22	Sept	2023	2 WEEK
3	**N.V.Upadhyay**	"Public Speaking"	24	july	2023	13	oct	2023	12 WEEK
4	**Darshan U. Thakar**	"Public Speaking"	24	July	2023	13	October	2023	12 WEEK
5	**Trushna P Shah**	Alternate Fuels and Electric Vehicle	18	Dec	2023	23	Dec	2023	1 Week
6	**Bankar Sumitkumar Vinodbhai**	Public Speaking	24	July	2023	13	October	2023	Online Mode, 2 Weeks
7	**Bankar Sumitkumar Vinodbhai**	Emerging Trends & Practices in Optimization and Sustainable Technology	20	November	2023	1	December	2023	2 Weeks
8	**N.V.Upadhyay**	"Psychology of Stress, Health and Well-being"	22	January	2024	28	April	2024	12 WEEK
9	**Chetankumar Kohyabhai Bariya**	Induction Training phase-2	27	September	2021	85	October	2021	2 Week
10	**Chetankumar Kohyabhai Bariya**	Research Methodology	12	September	2022	19	September	2022	1 Week
11	**Chetankumar Kohyabhai Bariya**	"Public Speaking"	24	July	2023	13	October	2023	12 WEEK
12	**Chetankumar Kohyabhai Bariya**	Purchase Management, Tender and Quatation (GEM)	26	February	2024	1	March	2024	1 Week
13	**Hemang S. Pandya**	"Psychology of Stress, Health and Well-being"	22	January	2024	28	April	2024	12 WEEK
14	**Darshan U. Thakar**	"Psychology of Stress, Health and Well-being"	22	January	2024	28	April	2024	12 WEEK
15	**Kaushal K. Bhatt**	"Psychology of Stress, Health and Well-being"	22	January	2024	28	April	2024	12 WEEK
16	**Hemang S. Pandya**	GUJ-23_18 Induction Training Phase-2	11	September	2023	22	September	2023	2 weeks
17	**Darshan Upendrabhai Thakar**	GUJ-23_18 Induction Training Phase-2	11	October	2023	22	October	2023	3 weeks
18	**Pujara Jigneshkumar B.**	Train the Trainer Program (EVHV)	30	October	2023	3	November	2023	1 week

Departmental Activities

Name of Event: Webinar on India's Techade: Chips for Viksit Bharat

Date :17/02/2024

India with an aim to strengthen the semiconductor facilities, is going to open three semiconductor facilities in Dholera, Gujarat ; Sanand, Gujarat and Morigaon, Assam. India is known as an IT hub and now it aims to take lead in Artificial intelligence, Semicon design and production, quantum computing etc. India's Techade signifies India's dedication to embracing the digital age to ensure sustainable development, create new job opportunities, enhance quality of life, and establish a strong presence in the global technology landscape. India Semiconductor Mission has been setup by the Government of India to create an end-to-end semiconductor ecosystem to enable the nation to become a significant player in the global semiconductor industry. Aligning with India's Semi-Conductor Mission and with an aim to strengthen the semiconductor facilities in India, Hon'ble Prime Minister Shri Narendra Modi will lay down the foundation stone of the three Semiconductor facilities on 13th March 2024.

The three semiconductor facilities are: 1. India's First Fab Facility in Dholera, Gujarat 2. OSAT facility in Sanand, Gujarat 3. OSAT facility in Morigaon, Assam It is a national endeavour so it can be achieved with whole of society and whole of Government approach.

Total 50 students with 12 Faculty Members of Electrical Department were present online during the event.

Name of Event: Webinar on Career Advancement with Industry 4.0 technology

Date :17/02/2024

Government Engineering College, Modasa, Electrical Engineering Department has organized a webinar on Career Advancement with Industry 4.0 Technology. Industry 4.0, also known as the fourth industrial revolution, is the digital transformation of manufacturing and related industries. It is characterized by the integration of new technologies 51 students joined the webinar and gained knowledge about the advancement in upcoming technology Vishal Vadher, from Sofcon Training was the key speaker of the Webinar. The webinar was started by Prof.Darshan U. Thakar with a welcome speech. The whole session was interactive and at the end of the webinar few students asked the questions and the expert resolved the queries of the students.


EVOLUTION OF
INDUSTRIAL
AUTOMATION

Name of the Event:Expert Lecture on Modern Trends of Electric Drives

Date of Visit: 01/03/2024

Government Engineering College,Modasa, Electrical Engineering Department has organized an Expert session on Modern Trends of Electric Drives. Total 54 students have participated at EED, 7204 ROOM From 11.00 am to1.00 pm.

Modern electric drives are a rapidly evolving field with several exciting trends driving innovation: Advanced motor design: New motor topologies and permanent magnet materials are being developed to further optimize power density and efficiency while meeting specific application requirements.

These trends are transforming electric drives into highly efficient, intelligent, and versatile systems, paving the way for advancements in various sectors like electric vehicles, industrial automation, and renewable energy integration.


WD Topology


YASKAWA
Seminar on VFD

Name of the Event:Expert Lecture on " Market Ready Yourself? "

Date of Visit: 01/03/2024

Government Engineering College,Modasa, Electrical Engineering Department has organized an Expert session on How to " Market Ready Yourself? ". Total 54 students have participated at EED, 7204 ROOM From 11.00 am to1.00 pm.

Here are some steps explained by the expert to market yourself effectively:

1. Self-discovery and Branding:

- **Identify your unique value proposition (UVP): What sets you apart from others in your field? What skills, experiences, and qualities make you valuable? Craft a clear and concise statement that summarizes your UVP.**
- **Define your target audience: Who are you trying to reach with your marketing efforts? Understanding their needs, interests, and online behavior is crucial for tailoring your message effectively.**

2. Build your online presence:

- **Develop a professional website or online portfolio: This platform showcases your skills, experience, and achievements. Include testimonials, project samples, and a clear call to action for potential clients or employers.**
- **Optimize your social media profiles: Tailor your profiles to your target audience, highlighting relevant skills and experiences. Regularly share valuable content, engage in discussions, and build connections.**
- **Consider creating content: Writing blog posts, articles, or even creating videos on topics relevant to your field can establish you as an expert and attract potential clients or employers.**

3. Networking and Building Relationships:

- **Attend industry events and conferences: Network with potential clients, employers, and colleagues, exchanging ideas and building valuable connections.**
- **Join online communities and forums: Participate in relevant online discussions, answering questions and demonstrating your expertise.**
- **Seek out mentorship and guidance: Connect with established professionals in your field to learn from their experiences and gain valuable insights.**

4. Continuous learning and development:

- **Stay updated on industry trends and developments: Continuously learning and expanding your skillset keeps you relevant and competitive in the market.**
- **Pursue additional certifications or training: Demonstrate your commitment to professional development and enhance your qualifications.**

5. Develop your communication and presentation skills:

Government Engineering College, Modasa

Department of Electrical Engineering

Organises

"How to Market Ready yourself"

29th Feb 2024

11.00 am onwards

Expert: Shri Hiren Thaker, Ex. International Program Head,GTU, Counselor and Founder, Ayana Academy

Venue: 7204, Electrical Engineering Building


Government Engineering College,
Modasa
Department of Electrical Engineering
Organises
"How to Market Ready yourself"
29th Feb 2024
11.00 am onwards
Expert: Shri Hiren Thaker, Ex. International
Program Head,GTU, Counselor and
Founder, Ayana Academy
Venue: 7204, Electrical Engineering Building

Name of the Event:Expert Lecture on " Student Membership Awarness"

Date : 21/03/2024

Government Engineering College,Modasa, Electrical Engineering Department has organized an Expert session on Student Membership Awarness Program. Total 53 students have participated at EED, 7204 ROOM From 2.00 pm to 3.00 pm. Dr V.J.Upadhyay sir has given speech on scope and importance of Technical Membership.

Prof.Darshan Thakar had explained the procedure for ISTE and IEI Membership.

The Institution of Engineers (IEI) student chapter aims to provide students with an environment to learn technical knowledge and develop leadership skills. Students can learn from guest lectures, workshops, and project exhibitions. The chapter also organizes technical events, such as seminars, workshops, symposia, and conventions, at a discounted rate.

Name of the Event:Expert Lecture on " Introduction to Summer Internship-2024 "

Date : 21/03/2024

Government Engineering College,Modasa, Electrical Engineering Department has organized an Expert session on Introduction to Summer Internship-2024. Total 54 students have participated at EED, 7204 ROOM From 1.00 pm to 2 pm.Dr V.J.Upadhyay sir has given speech on scope and importance of Summer Internship.Durig the session,the Faculty mentors have been allocated for the internship.Prof.Darshan Thakar had explained the procedure for NOC and given other relevant information.


GOVERNMENT ENGINEERING COLLEGE
MODASA
Internal Hackathon For
Software and Hardware Edition

INDUSTRIAL VISITS

Name of Industry: Power Lite Electricals

Date of Visit: 20/02/2024

Government Engineering College, Modasa, Electrical Engineering Department has organized an industrial at POWER LITE ELECTRICALS ADDRESS: Plot No.627, Nr. Gayatri Temple, Phase -4, GIDC Estate, Nava Naroda, Ahmedabad – 382330. 31 students along with 2 faculties members visited the industry on above mentioned date.

GENERAL INFORMATION:

The **Powerlite Electricals** is recognized as a leader in the Manufacturing and Repair of transformers intended to position: relative; the widest spectrum of the world's transformer applications. Whether it is general purpose requirements for commercial, industrial and utility customer to designing for the unique conditions like Snow, humid and corrosive offshore oil platforms, high elevation mining operations or desert solar farms, our "customer designed" transformers provide unparalleled performance in any application.

Since 1982, **Powerlite Electricals** has produced Oil-immersed Transformers to meet our clients' demands for high quality, engineering flexibility and optimum performance particularly for applications involving drive duty, arc furnace, induction furnace and inverter duty. Over three decades of Repairing

and Manufacturing experience has nourished our ability to provide customer oriented- best quality transformer with on time delivery assured.

Name of Industry: Faredi Substation,Modasa

Date of Visit: 26/02/2024

Government Engineering College,Modasa, Electrical Engineering Department has organized an industrial visit to 220 KV Faredi substation,Modasa Gujarat.35 students along with 2 faculties member visited the industry on above mentioned date.

GENERAL INFORMATION: Gujarat Energy Transmission Corporation Limited (GETCO) was set up in May 1999 and is registered under the Companies Act, 1956. The Company was promoted by erstwhile Gujarat Electricity Board (GEB) as its wholly owned subsidiary in the context of liberalization and as a part of efforts towards restructuring of the Power Sector. The company is now a subsidiary of Gujarat Urja Vikas Nigam, the successor company to the GEB. An electrical substation is a subsidiary station of an electricity generation, transmission and distribution system where voltage is transformed from high to low or the reverse using transformers. Electric power may flow through several substations between generating plant and consumer, and may be changed in voltage in several steps. A substation that has a step-up transformer increases the voltage while decreasing the

current, while a step-down transformer decreases the voltage while increasing the current for domestic and commercial distribution.

OBJECTIVE OF VISIT: Our main purpose for this visit is to be familiar with industrial environment and to get practical knowledge of electrical power transmission and distribution. Being final year students we will get to know about basic industrial functioning of power transmission and distribution. Students will also get familiar with Transformer maintenance, circuit breaker, Transformer isolator, bus bar, Protective relays, Lightening arresters, Load break switches, SCADA system, Current and voltage Transformer and Battery room.

EQUIPMENT IN A 220 KV SUB-STATION

The equipment required for a transformer Sub-Station depends upon the type of Sub-Station, Service requirement and the degree of protection desired.

66 KV EHV Sub-Station has the following major equipments:

• Bus-bar • Insulators • Isolating Switches • Circuit breaker • Protective relay • Instrument Transformer

CONCLUSION

Now from this report we can conclude that electricity plays an important role in our life. We are made aware of how the transmission the transmission of electricity is done. We too came to know about the various parts of the substation system. The three wings of electrical system viz. generation, transmission and distribution are connected to each other and that too very perfectly.

Thus, for effective transmission and distribution a substation must:

- Ensure steady state and transient stability
- Effective voltage control
- Prevention of loss of synchronism
- Reliable supply by feeding the network at various points
- Fault analysis improvement in respective field
- Establishment of economic load distribution

Name of Industry:Veer Electronics,Gandhinagar

Date of Visit: 02/03/2024

Government Engineering College,Modasa, Electrical Engineering Department has organized an industrial visit to Veer Electronics,Gandhinagar. 20 students along with 2 faculties (Prof.U.L.Mackwana,Prof. K.K.Bhatt) member visited the industry on above mentioned date.

Veer Electronics Private Limited is a manufacturer of testing and measuring instruments based in Gandhinagar, Gujarat, India.

- Products: They specialize in high-quality testing instruments for the electrical industry. Their product range includes:
  - Power Analyzers (Single & Three Phase)
  - Transformer Turns Ratio Meter (Automatic & Manual)
  - Digital Iron Loss Tester
  - Core Loss Tester
  - High Voltage Tester
  - Automatic Oil Breakdown Tester
  - Testing Panels for Transformers, Motors, Pumps etc.
  - Holiday Detectors
- Services: They offer calibration services to ensure the accuracy of your testing equipment. They are ISO 9001 and NABL certified, indicating their commitment to quality.

- Contact:
  - Website: https://www.veerelectronics.com/
  - Email: sales@veerelectronics.com
  - Phone: +91-9909036698 / +91-9879228038
  - Address: Plot No. B-45, GIDC Electronics Estate, Sector-25, Gandhinagar-382024, Gujarat, India

Name of Industry: Madhur Dairy,Gandhinagar

Date of Visit: 04/03/2024

Government Engineering College,Modasa, Electrical Engineering Department has organized an industrial visit to Madhur Dairy,Gandhinagar. 35 students along with 2 faculties (Prof.M.J.Patel and Prof. J.B.Pujara) member visited the industry on above mentioned date.

- Madhur Dairy is Gandhinagar District Cooperative Milk Union Ltd, a well-established dairy cooperative founded in 1971 . It's known for being a reliable source of milk and dairy products in the Gandhinagar area. Dairy products: They offer a wide variety of dairy products including milk, buttermilk, curd, cheese, paneer, ghee, and more.

- Sweets: They also have a selection of sweets like basundi and shrikhand.

Locations:

- Madhur dairy, opp. Hill wood school, near eqdc

Madhur Dairy's plant likely includes equipment for the following processes:

- Milk Collection and Chilling: Milk collection tankers, milk filters, milk silos, milk chilling units (bulk coolers).
- Standardization and Clarification: Clarifiers, separators, standardizers, homogenizers.
- Pasteurization and Packaging: Pasteurizers, aseptic packaging machines, filling lines for various products like pouches, cartons, bottles.
- Cold Storage: Refrigeration units, cold storage rooms.
- Product Handling and Storage: Conveyer belts, storage tanks for various products, automated guided vehicles (AGVs) for potentially transporting goods within the plant.

Name of Industry:iACE

Date of Visit: 11/03/2024

Government Engineering College,Modasa, Electrical Engineering Department has organized an industrial visit to Veer Electronics,Gandhinagar. 38 students along with 2 faculties (Prof. N.V.Upadhyay,Dr. V.J.Upadhyay) member visited the industry on above mentioned date.

International Automobile Centre of Excellence (iACE), is an apex body for skill development in the automotive sector, utilising modern technology & systems. The centre caters to the entire value chain of the Automotive Industry encompassing both Manufacturing & Servicing.

The International Automobile Centre of Excellence (iACE), is incorporated as a 'Section 08 Company' under the Companies Act 2013, by Government of Gujarat in collaboration with Maruti Suzuki India Limited (MSIL) with 50% equity stake each.

The centre is a world class institute catering to 'end to end' training, development and research needs of the automobile ecosystem in India. The center hosts the latest 'state-of-the-art' infrastructure & technical labs to provide hands on learning experience. The institute draws upon the expertise of industry-academia collaborations with leading Indian & Foreign Partners for Knowledge & Technological relevance of Industrial Learning.

STUDENT SECTION

Student Achievement

one of our Alumni student Smit Joshi passed GATE with AIR 613

Your GATE 2024 Result [EE]

Name

SMIT KAUSHIKBHAI JOSHI

Registration Number

EE24S82124147

Gender

Male

Parent's/Guardian's name

KAUSHIKBHAI JOSHI

Date of Birth (YYYY-MM-DD)

2000-06-19

Examination Paper

Electrical Engineering (EE)

Photograph

Signature

Marks out of 100#	59.67			All India Rank in this test paper	613
Qualifying Marks##	25.7 (General)	23.1 (OBC-NCL/EWS)	17.1 (SC/ST/PwD)	GATE Score	776

#Normalized marks in case of multisession papers (CE and CS).

##A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category, for which a valid category certificate, if applicable, must be produced along with the Score Card.

FAQ for GATE Score

CLOSE

List of Participated Students of Hackthon

Sr.No	Problem Statment	Team Leader	Faculty Mentor
1	Smart Mechanism to Detect Leakage of Gas in Undergroung Pipline	Kosti Jay M.	Prof.Hemang Pandya
2	Mining Vehicle Tracking using GPS	Upadhyay Preet C.	Prof.Darshan Thakar
3	Smart Mechanism to Detect Leakage of Gas in Undergroung Pipline	Belim Mohhammed	Prof.Hemang Pandya
4	Mining Vehicle Tracking using GPS	Pandya Archan	Prof.Nirali Upadhyay
5	Standalone Clean Power Supply For Solar Based Applications	Gaud Rahul R.	Prof.Kaushal Bhatt
6	Automated Public Lighting	Baria Nand Kishor	Prof.Nirali Upadhyay
7	Development of a Telematic control unit for capturing vital data of a vehicle without using company fitted telemetry data port.	Harsh Thakor	Prof.Darshan Thakar

SSIP student Project

SR.No.	Title	Team Leader	Faculty Mentor	Estimated Cost
1	Automatic Public Lighting	Zala Sachin B.	Prof.Nirali Upadhyay	48000
2	Telematic control unit for capturing vital data of a vehicle	Patel Dhariyakumar Hirenkumar	Prof.Hemang Pandya	47400
3	The Arduino-Powered Automated Laser Woodcraft Engraver	Mistry Harsh J.	Prof.Darshan Thakar	40000
4	Stand alone clean power supply Recommended for Ramkrishn for solar based applications	Gaud Rahul R.	Prof.Kaushal Bhatt	25000

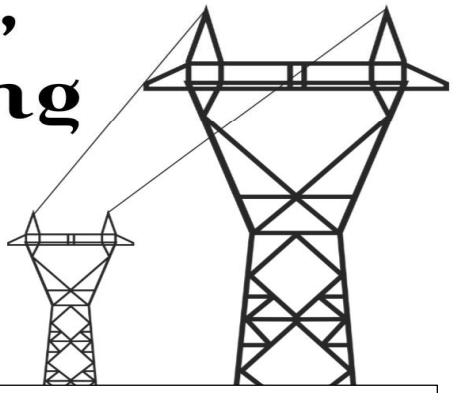
STUDENT PLACEMENT

Sr Number	Enrollment Number	Name	Contact Number	Position	Company Name	Package
1	200160109008	Devanshu Sharma	6355437503	Sales and Marketing	PressureJet Systems Pvt. Ltd.	252000
2	200160109004	Jay Koshti	8469301357	Maintenance	PressureJet Systems Pvt. Ltd.	252000
3	200160109022	Mandeep Gupta	9499508648	Service Engineer	Mehta CAD/CAM Pvt LTD	244000
4	210160109516	Prajapati Vaibhav Prakashbhai	8511059358	Graduate Engineer Trainee	Adani Power	500000
5	200160109014	Ansh Mehulkumar Chaudhary	9924393721	Graduate Engineer Trainee	Torrent Power	420000

Electricity is really just organized lightning.

Thank You

- A Team Electrozine,
Electrical Engineering
Department
G.E.C-Modasa



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Edited By Dr. Hemang S. Pandya
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