



# VIDHYUTVISHWA

NEWSLETTER OF THE ELECTRICAL ENGINEERING DEPARTMENT



**VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE**

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# ABOUT DEPARTMENT

The Electrical Engineering Department started in 1994 and offers bachelor of engineering in electrical engineering. The program has intake of 150 students and is designed and updated keeping in view the constantly changing industrial needs, skills and challenges emerging out of new research. The department is very well equipped with laboratory facilities and constantly upgrading available hardware and software facilities to create research/testing environment leading to a great opportunity to learn and progress in different technical domains. The department has well qualified faculties playing major roles in creation of competent & disciplined engineers to serve the nation.

## VISION

To produce comprehensively trained, socially responsible and innovative electrical graduates to contribute to the society.

## MISSION

- To develop well equipped laboratories and infrastructure for conducive learning.
- To produce competent and disciplined electrical engineers to serve the nation.
- To help in building national capabilities for excellent energy management and to explore nonconventional energy sources.
- To produce electrical engineers with an attitude to adapt themselves to changing technological environment.
- To enhance entrepreneurship skills through start up.

# PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- Develop and conduct appropriate electrical experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
- Acquire and apply new knowledge as needed, using appropriate learning strategies through innovation.
- Work independently on a project or as a team leader.
- Get an employment in various government and private sector companies, pursue research and

# PROGRAM SPECIFIC OUTCOME(PSOs)

- Use various electrical testing tools and equipment in industry, be an entrepreneur, enroll in post-graduate courses, pursue research and innovation in the field of electrical engineering.
- Use knowledge of various electrical machines and electrical power system in solving complicated electrical circuits and networks by using latest design and simulation tools.
- Use technical expertise and suggest modification in existing electrical systems.

## Editorial Team

Prof. Roopal R. Kapadia  
Prof. Vaibhavi M. Parmar

Prof. Rozina R. Surani  
Prof. Grishma P. Pipaliya

## Designed By

Dhrumil A. Shukla  
(210170109034)

# ACCOMPLISHMENTS

Pranchal Goyal (5 th semester, Electrical) Got opportunity to study at IIT, Gandhinagar for 5 th semester under GTU external students program with IIT Gandhinagar.



Dave Parth A (8th Sem, EE) Felicitated with Shri. Dewang Mehta IT Awards 2022



Patel Satish J (5th Sem, EE) Felicitated with Shri. Dewang Mehta IT Awards 2022



Modi Yogini S (3rd Sem, EE) Felicitated with Shri. Dewang Mehta IT Awards 2022



Patel Janavi S (1st Sem, EE) Felicitated with Shri. Dewang Mehta IT Awards 2022



# COLLEGE EVENTS / ACTIVITIES

The Electrical Engineering Department organized an industrial visit of final year students at 400 kV Soja Substation on 5th September, 2022. Total 95 students visited the substation. The visit was accompanied by Prof. H N Zala, Prof. A T Mistry, Prof. G P Pipaliya.



The Electrical Engineering Department organized an industrial visit of final year students at Topline Switchgear on 23rd September, 2022. Total 79 students visited the substation. The visit was accompanied by Prof. H B Vaghela and Prof. M G Jadeja.



The Electrical Engineering Department organized an industrial visit of final year students at Amtech Electronics, Gandhinagar on 9th September, 2022. Total 38 students visited the substation. The visit was accompanied by Prof. Prof. B K Patel and Prof. P J Purohit.



Electrical Engineering Department under IET students' chapter organized an expert lecture on "Introduction To Machine Learning Using Arduino" on 1st October' 2022 with an aim of making students understand about machine learning using Arduino. The expert lecture was delivered by Dr. Kiran Trivedi, Professor, Electronics and communication department, VGEC. The event was coordinated by Prof. J A Prajapati. Total 21 students benefited from this session.



# RESEARCH & INNOVATION

Prof. D. R. Dobariya  
Electrical Engineering Department  
Published a paper titled "Comparison and Design Verification of Square and Circular Power Pad of Wireless Power Transfer for Hybrid Electric Vehicle" in International Journal of Information Technology and Electrical Engineering. ISSN:2306-708X, October 2022.

Prof. H. D. Mehta  
Electrical Engineering Department  
Completed 12 week NPTEL course on "The Joy of Computing Using Python" with gold medal and stood in top 5% category.

# FACULTY DEVELOPMENT

Prof. D R Dobariya participated in one week Training on "Nano technology and Nano sensors" organised by NITTTR- Bhopal from 29/08/2022 to 02/09/2022

Prof. R R Kapadia completed eight week NPTEL course on "Introduction to Smart Grid" from July to September, 2022

Prof. H B Vaghela completed eight week NPTEL course on "Introduction to Smart Grid" from July to September, 2022

Prof. M G Jadeja participated in one week Training on "Performance Appraisal and Development" organised by NITTTR- Bhopal from 29/08/2022 to 02/09/2022

Prof. R R Surani completed eight week NPTEL course on "Introduction to Smart Grid" from July to September, 2022

# STUDENT ACHIEVEMENT

Harsh Dave Successfully completed NPTEL course on "Technologies for clean and renewable energy production" by IIT Roorkee

NSS-VGEC volunteer Priyanka Nakum(5th sem electrical department) successful got selected and attended NSS Pre-RD camp which was organised at S.P.University, Anand from 20/09/2022 to 29/09/2022.

Congratulations on winning 2nd prize in NATIONAL TECHNOLOGY DAY COMPETITION (organized by L.D College of engineering in collaboration with INSTITUTE FOR PLASMA RESEARCH) by presenting and demonstrating 3d printer which was self-made.



Devan Chetanbhai Mistry  
5th sem Electrical  
Dev Jitendrabhai Lathigra  
5th sem EC

Hadiyal Dhruv & Shrushti Bhatiya, These cadets from NCC VGEC Got selected for THAL SAINIK CAMP-Inter group competition.

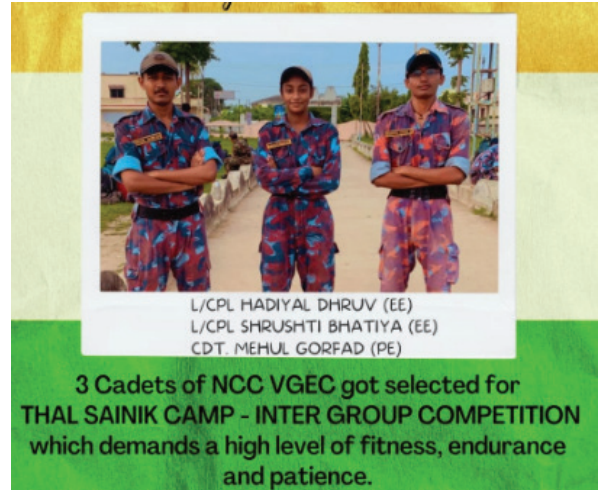
NSS-VGEC volunteer Priyanka Nakum(5th sem electrical department) successful got selected and attended NSS Pre-RD camp which was organised at S.P.University, Anand from 20/09/2022 to 29/09/2022.



NSS-VGEC volunteer Krupa Jani(5th sem Electrical)succesfully got selected and attended a basic Rock climbing course held at S.V.IM Mount-Abu which was organised from 15/11/2022 to 25/11/2022.

# NCC ACHIEVEMENT

**Inter Group Sports Shooting Competition (IGSSC)**  
Cadet Dhruv Hadiyal selected in Ahmedabad Group  
Team from 1 Guj CTC



# ACADEMIC ACHIEVEMENT

Enrollment NO.	Name	SPI
2nd Semester		
210170109041	PATEL JANAVI SURESHBHAJ	8.67
210170109070	SATYAM KUMAR PANDEY	8.11
210170109014	Prasad Paresh Vinodbhai	7.83
4th Semester		
200170109014	MODI YOGINI SHAILESHBHAJ	8.61
200170109032	Suthar Suresh Ghevaram	8.3
200170109016	GUPTA UDIT SHANKAR DAYAL	8.26
6th Semester		
190170109141	VAIBHAV VERMA	9.09
190170109095	PATEL SATISHKUMAR JESINGBHAJ	8.91
190170109127	SUTHAR VIDHI KISHORKUMAR	8.91
8th Semester		
180170109021	DAVE PARTH AVINASHBHAJ	10.00
190173109014	MAJITHIYA MADHAV JAYANTILAL	10.00
180170109035	JADEJA PRUTHVIRAJ SINH DHARMENDRASINH	10.00
180170109037	JESRANI SHAILESH SHASHIKUMAR	10.00
180170109073	PATEL JANVEE JITENDRAKUMAR	10.00
180170109026	DOCTOR GRANTHNI UDAYAN	10.00
180170109103	SHAH MALAV DIPENBHAJ	10.00
180170109114	TRIVEDI KRUTARTH PRAVINKUMAR	10.00
180170109056	NAGAR SHUBHAM JANAKBHAJ	10.00

# Placement Data

Adani Pvt Ltd  
12

Polycab  
03

Hindustan  
infra  
01

Larson & Tubro  
03

Industan infra  
01

Junomoneta Finsol  
Private Limited  
02

Newen System  
02

Arvind Limited  
01

Torrent power  
AMGEN  
04

Hitachi Hi-Rel  
Power  
04

Voltas  
03

Motadata  
01

Mindra Green  
Energy  
02

TCS  
02

ARVIND

motadata

**HINDUSTAN**  
INFRASTRUCTURE SOLUTION

**TCS**  
TATA  
CONSULTANCY  
SERVICES



**torrent**  
POWER

**MINDRA**

adani

  
**POLYCAB**

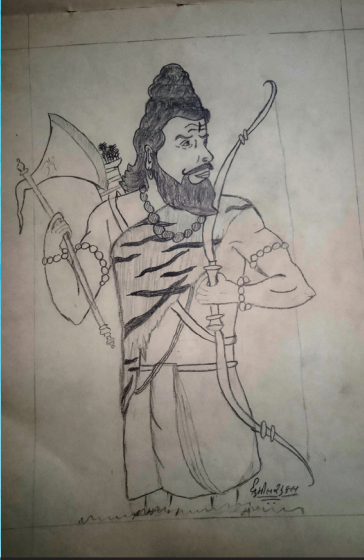


**VOLTAS**  
A TATA Enterprise

**HITACHI**



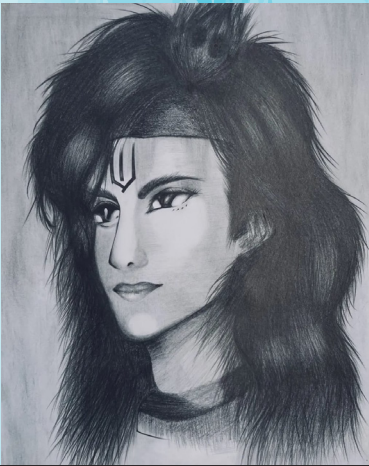
# Creative Corner



Dhrumil Shukla  
3rd Sem, EE



Prof. Nisha Lodha  
Faculty, EE



Dipak Rathod  
3rd sem, EE



Asrar Mirza  
3rd sem, EE