

**SMT G. D. TATKARE POLYTECHNIC COVE - KOLAD**

....a newsletter winter 2022



**Electrical Engineering Department**

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Find us....

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## HOD Message



The Department of Electrical Engineering is pleased to publish its winter 2022 News.

Letter which summarizes the

dedicated work of its faculty and students.

Our success and accomplishments continued to move the department forward to help and prepare students for the 21st century. This letter will highlight the efforts and special achievements of our staff, students and department as a whole.

It also includes the various activities conducted by the electrical engineering department for the Winter 2022.

Heartiest congratulations to the Editorial Board.

**VISION** *"To Develop Electrical Engineers with Best Technical and Interactive Skills So That They Can Serve Society and Nation in A Best Way."*

### **MISSION**

*To provide the best possible education facilities and to guide the students to become good professionals in the society. To bridge the gap between industries and academics by providing technical education based on industrial and social needs. To inculcate moral and ethical values among the faculties and students to adapt the innovative electrical technologies. To create a passion for learning and promote different innovations in electrical field.*

## **Department of Electrical Engineering**

Electrical engineering is an engineering discipline concerned with the study, design, and application of equipment, devices, and systems which use electricity, electronics, and electromagnetism.

Electrical engineering is now divided into a wide range of different fields, including computer engineering, systems engineering, power engineering, telecommunications, radio-frequency engineering, signal processing, instrumentation, photovoltaic cells, electronics, and optics and photonics.

Electrical engineers typically hold a degree in electrical engineering or electronic engineering. Practicing engineers may have professional certification and be members of a professional body or an international standards organization. These include the International Electro technical Commission (IEC), the Institute of Electrical and Electronics Engineers (IEEE) and the Institution of Engineering and Technology (IET).

Electrical engineers work in a very wide range of industries and the skills required are likewise variable. These range from circuit theory to the management skills of a project manager. The tools and equipment that an individual engineer may need are similarly variable, ranging from a simple voltmeter to sophisticated design and manufacturing software.

Over the years, the Electrical Engineering Department has evolved to reach and hold a unique position of pride in the Technical Education System.

<b>Year of Establishment</b>	2012
<b>Program Coordinator</b>	Mrs. Nidhi Nikhil Dhasade
<b>Email</b>	<a href="mailto:electrical1581@gmail.com">electrical1581@gmail.com</a>
<b>Total number of Classrooms</b>	2
<b>Total number of Laboratories</b>	6
<b>Total faculty</b>	7
<b>Supporting Technical Staff</b>	2
<b>Supporting Non-Technical Staff</b>	1

1. Highly educated staff.
2. Experienced Staff
3. All labs are well equipped.
4. Good placement opportunity
5. Industry expert guest lectures
6. Industrial Visits

# Rankers

Academic Year	Rank	Name of the Student	Percentage
2021-22	First	KALAB SHAHID HASAN	86%
	Second	NIGADE ATHARAV BHASKAR	81.56%
	Third	SHIGVAN ANIKET CHANDRAKANT	80.56%
2020-21	First	DISHANT DINESH KAPDI	91.5%
	Second	JUI SUNIL SHINDE	89.67%
	Second	PRATIK JAYWANT MAHADIK	89.67%
	Third	UMESH SANJAY BHOIR	85.17%
2019-20	First	DAFEDAR MUSHAHID SHABBIR	91%
	Second	SHINDE SUDHANSHU VIJAY	90.78%
	Third	BORKAR PAVAN VIJAY	90.50%

## **COURSES OFFERED IN DIPLOMA ENGINEERING**

<b>Course</b>	<b>Intake Capacity</b>	<b>Duration of Course</b>
Mechanical Engineering	60	3 YEARS
Electrical Engineering	60	3 YEARS
Civil Engineering	60	3 YEARS
Computer Engineering	15	3 YEARS
Chemical Engineering	30	3 YEARS
Total Intake	225	

# Industrial Visits

□ Our students visited to the following industries during their academic year.

1. Star rewinders and electricals, Dhatav – Roha
2. MSEB Substation Warasgaon – Kolad



**MSEB Substation Warasgaon - Kolad**



**MSEB Substation Warasgaon – Kolad**





**Star Rewinders & Electricals Dhatav – Roha**



## **Engineer's Day**

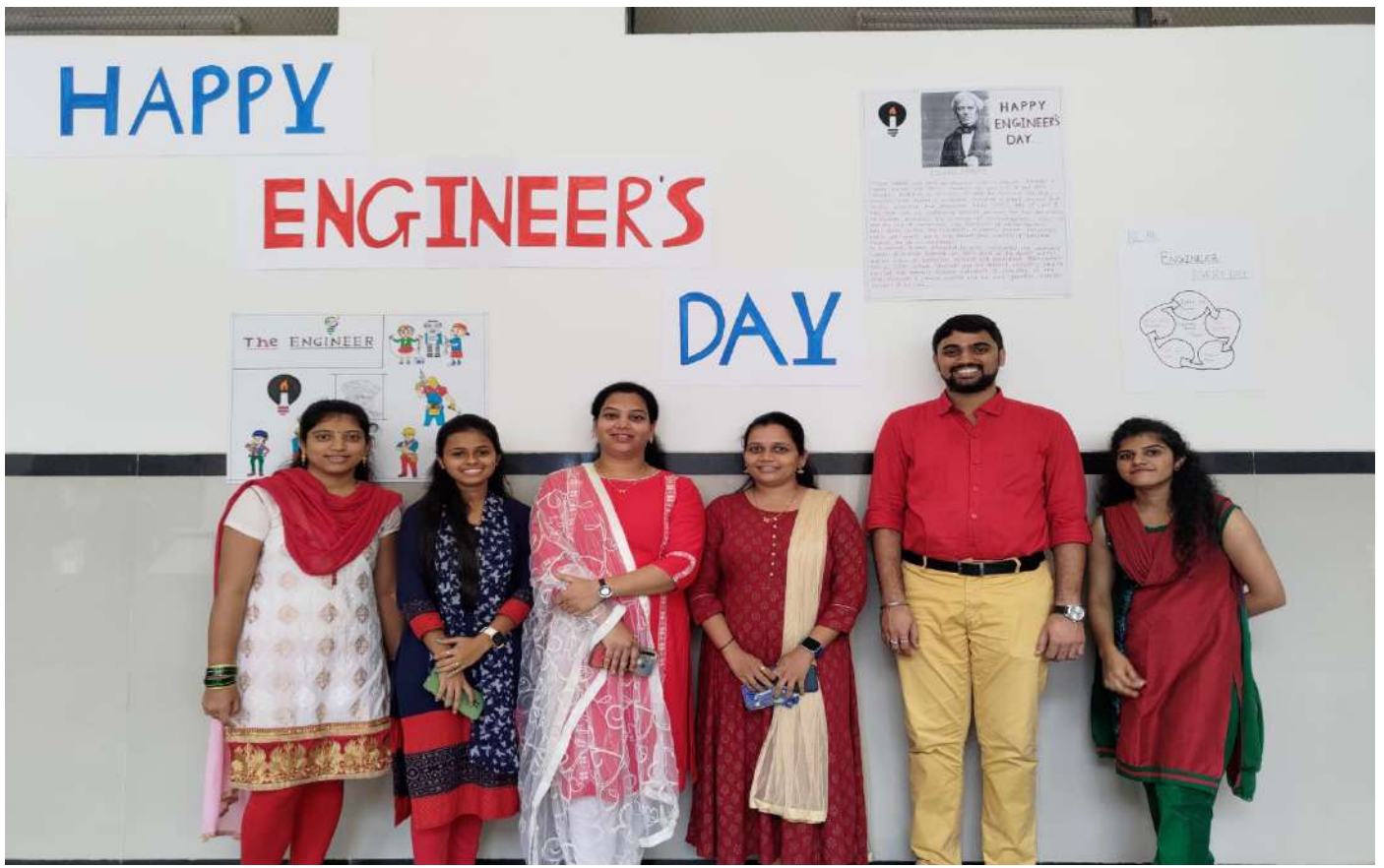
National Engineer's Day is observed every year on September 15 on the birth anniversary of the legendary engineer Mokshagundam Visvesvaraya. The day is observed every year to pay tribute to Visvesvaraya and also to commemorate the contributions of the engineers to the nation.


Due to the excellent work done in the field of engineering (dams, reservoirs and hydroelectric projects), the birth date of Dr. M Visvesvaraya, who was awarded the Bharat Ratna in the year 1955, 15 September (year 1860) is celebrated as Engineers Day.

On occasion of Engineers day our department students participated in poster making regarding the concept of "Electrical Engineer".





## Poster Making



  
Sir M. Visvesvaraya in his 40s

19th Divan of the Mysore Kingdom	Personal details
In Office 1912-1918	Born Mokshgundan Visvesvaraya 15 September 1860/1 Maddurahalli, Kingdom of Mysore, British India
Monarch Kistina Raja Wodeyar Preceded by T. Ananda Rao Succeeded by M. Kantaraj Urs	Died 14 April 1962

Sir Mokshgundan Visvesvaraya. He started his primary education in Bangalore. Received his BSc degree from the University of Madras, and then BSc (Diploma in Civil Engineering) from the University of Bombay through its affiliated institution and 3rd oldest Engineering College in India.

  **HAPPY ENGINEER'S DAY...**

MICHAEL FARADAY

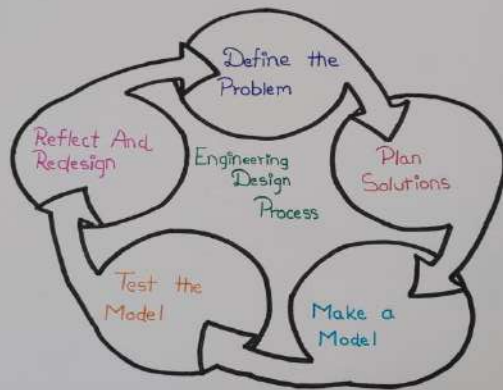
Michael Faraday was born 22 September 1791 in England. Although a freemason received little formal education he was one of the most influential scientists in history. It was by research on the magnetic field around a conductor carrying a direct current that Faraday established that magnetism could affect Ray of Light & that there was an underlying relation between the two phenomena. He similarly discovered the principle of electromagnetic induction and the laws of electrolysis. His inventions of electromagnetic theory devices formed the foundation of electric motor technology and it was largely due to his efforts that electricity became practical for use in technology.

As a chemist, Faraday discovered benzene, investigated the clathrate hydrate of chlorine, invented an early form of the Bunsen burner, and the system of oxidation numbers and popularised terminology such as anode, cathode, "electrode" and ion. Faraday ultimately became the first and foremost full-time professor of chemistry at the Royal Institution a lifetime position and he was greatest scientific discoverer of all time.

BE AN

ENGINEER

EVERY DAY!



INDIA'S FIRST FEMALE ENGINEER.

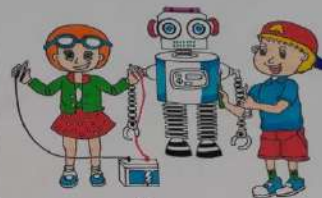


AYYALASOMAYAJULA LALITHA.

(27 August 1919 - 12 October 1979)

After graduation, Lalitha worked at standards Organisation, Shimla and helped her father research Smokless ovens and the jectronomium (an electrical musical instrument). In 1953 the Council of the Institution of Electrical Engineers (IIE) of London elected her to be an associate member, and promoted her to full member in 1966. Lalitha was the only female engineer from India to have attended the first International Conference of Women Engineers and Scientist (ICWES) in New York in 1964. Lalitha was elected as a member of the British Women's Engineering Society in 1965 and served as the organising Committee India representative for the Second International Conference of Women Engineers and Scientist (ICWES) held in July 1967 and ensured that five women from India were able to attend. She spent a year of practical training in the electrical department of the East India Railways, before becoming a technical in the India Government office of the Electrical Commissioner.

The ENGINEER





## **Blood Donation Camp**

**On occasion of Engineers Day, our institute organized blood donation camp**

It is said that blood is one of the most priceless gifts one can give to another. Blood is essential for a person to stay alive. Many times due to accidents or any other serious ailments, a person might require blood. And in those times, people who step up to donate their blood are real-life superheroes.







## **SPORT'S**

Sports are a crucial part of a student's growth and development. They help in the development of mental health and physical fitness of the body. Through participation in sports and games, a student gains various skills, experience and confidence that are helpful for developing their personality.

Electrical Engineering Department students won the prizes in the IEDSSA zonal Sports.



**Won first prize in IEDSSA Zonal Cricket**



**Participated in IEDSSA Zonal sports (Girl) & won first prize in Chess**



**First Prize in Cricket at IEDSSA Zonal Sports**



# STUDENT'S ACHIVEMENT

Our students participated in quiz competition on Ethical Hacking and Cyber Security organized by IT department Government Polytechnic, Nanded. They present their skill in front of respective collages faculty which improves their soft skill & gain Confidence.





## **Faculty Achievements :-**

- All the staff of Electrical Department attended seminar on “Electrical Power System & HV Switchyard & related faults” organized by Electrical Engineering Department & Institutions Innovation Council (IIC) of VPM’s Maharshi Parshuram College of Engineering, Velneshwar on 11<sup>th</sup> November 2022.



**Ms. Jyotsna B. Tawate**  
**( Programme Coordinator )**



**Ms. Suvidha S. Mali**  
**(Lecturer)**



**Mr. Siddharth G. Shirke**  
**(Lecturer)**



**Ms. Neha U. Nagothkar**  
**(Lecturer)**



**Ms. Damini Khopkar**  
**(Lecturer)**



**Ms. Dhanashri Rajmane**  
**(Lecturer)**



**Ms. Sampada Mahadik**  
**(Lecturer)**



## **SMT. GEETA D. TATKARE POLYTECHNIC INSTITUTE, GOVE-KOLAD**

**Tal. Roha, Dist. Raigad- 402304**

**President:-** Mr. Niraj Patil (7045508337)

**Voice President:-** Mr. Prasad Dalvi (7219130691),

**Sports Representative :-** Mr. Riddhesh Sarfale (7038424032)

**Cultural Head :-** Mr. Tejas Mhatre (9373913670)

**Ladies Representative :-** Ms. Vina Pimpale (7776984576)

Approved by : All India Council for Technical Education (AICTE), New Delhi

Approved by : Directorate of Technical Education (DTE), Mumbai

Affiliated by : Maharashtra State Board of Technical Education (MSBTE), Mumbai

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