

# ELECTROMANIA

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## ELECTROMANIA

July, 2025-Edition

## DEPARTMENTAL NEWSLETTER



Published on 1<sup>st</sup> July 2025

Department of Electronics and Telecommunication Engineering,  
Government Polytechnic, Sakoli

# ELECTROMANIA

**"Partners in Progress, Pillars of Success"**

**Stakeholders' Meet 2024-25**



The Department of Electronics and Telecommunication organized the **Stakeholders' Meet 2024-25** on 24th January 2025, bringing together parents and alumni to share their valuable feedback and experiences. The event focused on strengthening the bond between the institute and its extended community.



Alumni shared their professional journeys, while parents appreciated the academic efforts and suggested areas of improvement. The meet served as a collaborative platform to enhance student development and institutional growth.



# ELECTROMANIA

## NEWS LETTER

### HOD DESK

Greetings from the Department of Electronics and Telecommunication Engineering!

As the Head of Department, it gives me immense pleasure to connect with you through this edition of our departmental newsletter. The field of Electronics and Telecommunication is evolving rapidly, driven by advancements in technology and increasing demand for innovative solutions. At our department, we are committed to equipping our students with the essential knowledge, skills, and hands-on experience to thrive in this dynamic landscape.

In the past semester, our department has successfully conducted various academic and co-curricular activities aimed at fostering a culture of learning and innovation. We organized workshops on embedded systems, IoT, and communication protocols, enabling students to gain practical insights and enhance their technical expertise. Additionally, our faculty members have actively participated in seminars and conferences, contributing to the academic community and staying abreast of the latest developments in the field. Our students have also made us proud with their remarkable achievements in academic projects, technical competitions, and industry internships. Their passion for learning and drive to excel continue to inspire us to further elevate the learning experience within the department.

As we move forward, we remain dedicated to providing a nurturing and stimulating environment that encourages intellectual curiosity and holistic development. I extend my heartfelt appreciation to the faculty, staff, and students for their unwavering dedication and efforts. Together, let us continue to strive for excellence and uphold the legacy of our department.

Thank you for your continued support.

Warm regards

Mr. A. A. Ali  
Head of Department  
Electronics and Telecommunication Engineering



**PROF. A. A ALI**

**Head of Department**  
Electronics and Telecommunication Eng.



# ELECTROMANIA



## National Level Project Presentation Competition

AT

Government Polytechnic Sakoli

ON

20 March 2025

**"IoT And Embedded system, The synergistic Partnership for the Digital Age"**



**PAPER PRESENTED BY: MS. MUSJAN RAUT AND MR. CHIRANJEEV SONWANE (EJ-51)**

**GUIDED BY: MRS. S. S. PAMPATTIWAR**

# ELECTROMANIA

## Two Days Electronics Workshop

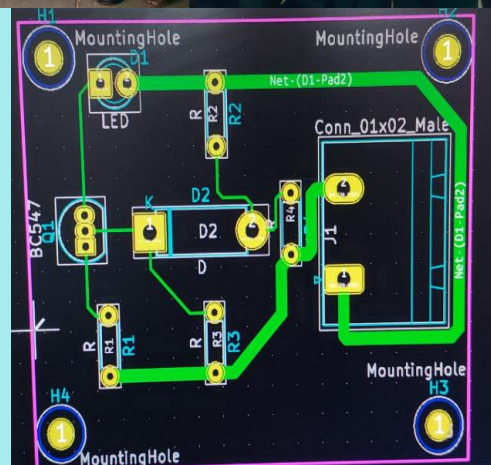
### Hands-On Skill Workshop on PCB & Insights into Electronics Discipline

 **Date: 05th & 06th September 2024**

 **Session Expert: Mr. Pradip Nandeshwar, CEO, Powercon DJ, Sakoli**

The Department of Electronics and Telecommunication, Government Polytechnic Sakoli, successfully organized a two-day hands-on workshop on PCB designing and a deep dive into various areas of the electronics discipline. This workshop aimed to equip students with practical knowledge and real-time industry applications. The expert session by Mr. Pradip Nandeshwar, an industry professional, provided a strong foundation and encouraged students to explore electronic hardware and embedded systems.

The students of third year diploma benefited with this Hands-on session. The session was coordinated by Mr. R. V. Sakhare, Lecturer, E&TC department. Ms. Muskan Raut third year student proposed the vote of thanks.





# ELECTROMANIA

## Hands-On Visit to Electronics Appliances Repairing Shops

 **Date: 15 February 2025**

 **Resource Person: Mr. Rajkumar Mehar, Shop Owner & Technician**

 **Participants: 21 Students**

To foster real-world skill development, a practical visit was conducted to local electronics appliances repairing shops in Sakoli. Led by Mr. Rajkumar Mehar, students observed troubleshooting techniques, soldering, circuit testing, and component replacement methods commonly used in the repair industry. This experience gave students valuable exposure to self-employment opportunities and inspired many to explore the domain of hardware servicing and maintenance.

The session mostly focused on the repairing and maintenance of LCD and LED Television to cover the major portion of curriculum. The session was coordinated by Mr. R. V. Sakhare, Lecturer, E&TC department.



# ELECTROMANIA



**Visit to Solid Waste Management Plant, Sakoli**



**Date: 17 February 2025**



**Resource Person: Mr. Milind Gajapure, City Co-ordinator, Nagar Parishad, Sakoli**



**Participants: 40 Students**

In an effort to promote environmental awareness and practical learning, students visited the Solid Waste Management Plant in Sakoli, organized by the Department of Electronics and Telecommunication. Facilitated by Mr. Milind Gajapure, the visit highlighted processes like waste segregation, composting, E-waste management and automation systems used in the plant. Students observed how electronics technology is integrated into waste tracking and management, providing them with a new perspective on sustainability and civic engineering.

The session puts a light on emerging trends for E-waste management and need of such management. The session was coordinated by Mr. R. V. Sakhare and Mr. R. B. Sathe, Lecturer, E&TC department.





# ELECTROMANIA

## ⚡ Technical Visit to Electric Vehicle Charging Station, Sakoli

📅 **Date: 17 February 2025**

👤 **Resource Person: Mr. Milind Gajapure, City Co-ordinator, Nagar Parishad, Sakoli**

👥 **Participants: 41 Students**

A field visit to the EV Charging Station operated by Nagar Parishad, Sakoli, was organized for students of the Department of Electronics and Telecommunication. Under the guidance of Mr. Milind Gajapure, City Coordinator, students explored the functioning of charging infrastructure, energy monitoring systems, and digital billing units. This exposure broadened their understanding of the EV ecosystem, particularly the role of electronics in real-world applications of green technology.


The session was coordinated by Mr. R. V. Sakhare, Lecturer, E&TC department.





# ELECTROMANIA

## Expert Talk on “Basics of Electric Vehicles & Opportunities”

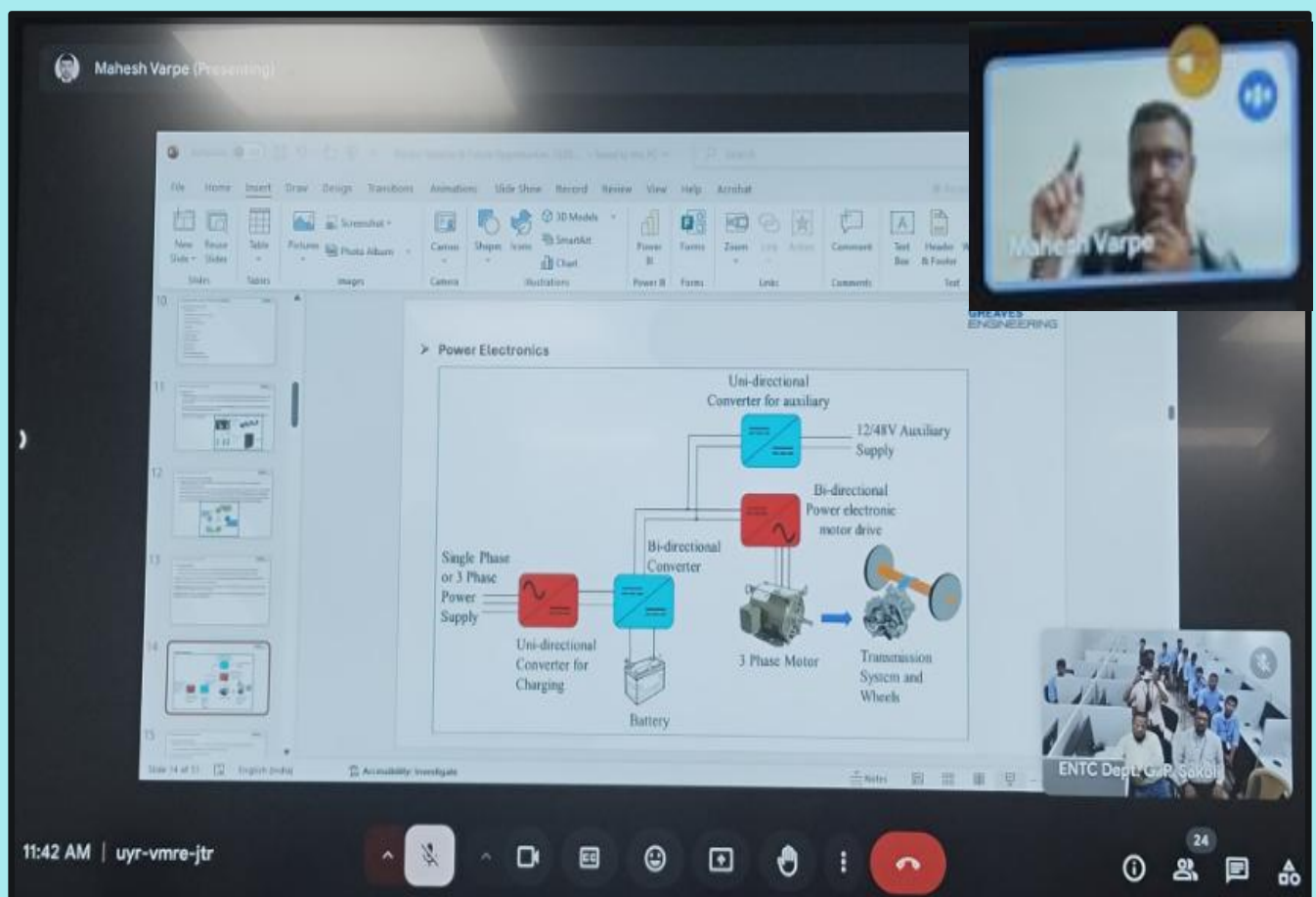
 **Date: 15 March 2025**

 **Expert: Mr. Mahesh Varpe, Sr. Manager, Greaves Cotton Ltd., Pune**

 **Participants: 501 Students**

To enlighten students on the futuristic landscape of sustainable mobility, the Department of Electronics and Telecommunication, Government Polytechnic Sakoli, organized an expert talk on “Basics of Electric Vehicles & Opportunities.” Mr. Mahesh Varpe, a senior leader at Greaves Cotton Ltd., Pune, delivered a power-packed session explaining the architecture, battery management, charging techniques, and career possibilities in the EV sector. The session was highly interactive and benefited over 500 students, fostering enthusiasm for clean technology and innovation.

The session was coordinated by Mr. R. B. Sathe, Lecturer, E&TC department. Head of department Mr. A. A. Ali graced the session with his presence and motivated students by his valuable words.



The screenshot displays a Zoom meeting interface. The main window shows a presentation slide titled "Power Electronics" with a block diagram of an EV powertrain. The diagram includes a "Single Phase or 3 Phase Power Supply" connected to a "Uni-directional Converter for Charging" and a "Bi-directional Converter". The "Bi-directional Converter" is linked to a "Battery" and a "Bi-directional Power electronic motor drive". The motor drive is connected to a "3 Phase Motor" and a "Transmission System and Wheels". A "Uni-directional Converter for auxiliary" is connected to a "12/48V Auxiliary Supply". The Zoom interface includes a top bar with the presenter's name "Mahesh Varpe (Presenting)", a top right video thumbnail of the presenter, a bottom left status bar showing "11:42 AM | uyr-vmre-jtr", and a bottom right toolbar with various icons. A small inset in the bottom right corner shows a group photo of students and faculty, with the text "ENTC Dept. G.P. Sakoli" below it.

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## JOB PLACEMENT

Sr. No	Name of student placed	Enrollemnt Number	Name of the Employer
1	KOTHE AKANSHA MURLIDHAR	2200910072	Bajaj Ltd. Chakan Pune TATA Advance System John Deere
2	PETKULE RAVINA BHIKARAM	2200910077	Bajaj Ltd. Chakan Pune TATA Advance System John Deere
3	SAIYYAD RAHEMINALI ZAHIDALI	2200910079	TATA Advance System
4	TARALE NAGESH MADHO	2200910083	Devanshi Elelctronics Pvt. Ltd. Mumbai
5	AMBHORE BHAIRAVI VIJAY	23310220363	TATA Advance System John Deere
6	KARU HARSHAL SUBHASH	23310220364	Bajaj Ltd. Chakan Pune
8	MESHRAM VIJAY RAMKRUSHNA	23310220369	John Deere
9	RAUT MUSKAN DNYANESHWAR	23310220372	Bajaj Ltd. Chakan Pune TATA Advance System John Deere
10	SONWANE CHIRANJEEV RAMESH	23310220373	Bajaj Ltd. Chakan Pune

Heartfelt  
Congratulations to you!

Best of Luck  
to you in your  
New Job.



Heartfelt  
Congratulations to you!



# ELECTROMANIA

## "Industry-Institute Synergy: MoU for Collaborative Growth"



A **Memorandum of Understanding (MoU)** plays a vital role in academic institutions by fostering collaborations with industries, government bodies, and research organizations. It facilitates student internships, industrial visits, expert lectures, and joint projects, thereby bridging the gap between theoretical knowledge and practical exposure. MoUs enhance the quality of education by enabling knowledge exchange and resource sharing. They also support faculty development and institutional growth through continuous industry-academia interaction.

"MoU renewed between  
**COE Powercon DJ, Sakoli**  
and  
**Hon. Principal, Government  
Polytechnic Sakoli**  
to strengthen ongoing  
industry-institute  
collaboration."



"MoU renewed between **COE  
MinTech Robotics, Sakoli**

and

**Hon. Principal, Government  
Polytechnic Sakoli**

to reinforce academic-industry  
partnership."



# ELECTROMANIA

**"Innovate to Elevate"**



Our Visionary  
Academic  
Endeavor



## Department of Electronics and Telecommunication Engg. GP Sakoli LIST OF MEGAPROJECTS and GUIDEs(EJ51-6I) Session 2024-25

Sr. No.	Enrol. No.	Name of Student	Name of Project	Name of Faculty Guide
1	2200910072	Akansha M. Kothe	Student Management System	Prof. L. K. Kothwar
2	23310220369	Vijay R. Meshram		
3	2200910069	Tushar D. Kavte		
4	2200910075	Mandar R. Nagarikar		
5	2200910085	Purvav W. Waghare		
6	2200910079	Rahemin Z. Saiyyad	Digital Notice Board using Arduino and GSM Module	Prof. A. A. Ali
7	23310220372	Muskan D. Raut		
8	23310220365	Khushi G. Meshram		
9	23310220363	Bhairavi V. Ambhore		
10	2200910077	Ravina B. Petkule	Digital Wall Clock with Quotes, Temperature and Humidity	Prof. A. A. Ali
11	23310220364	Harshal S. Karu		
12	2200910082	Smeet Y. Shiwankar		
13	2200910065	Anshul R. Bhivgade		
14	23310220366	Ankita V. Kore		
15	23310220370	Kirti R. Patle	Biometric Attendance System using Raspberry PI and GSM Module	Prof. L. K. Kothwar
16	2200910067	Kamal K. Karemore		
17	2200910068	Nishant V. Katre		
18	2200910078	Rakesh S. Yadav		
19	2200910083	Nagesh M. Tarale		
20	23310220373	Chiranjeev R. Sonwane		

List of  
Project  
for the  
session  
2024-25



# ELECTROMANIA

## **"Alumni Connect: Bridging Past with Present"**



Interactive session by **Alumni Mr. Nikhil Tembhurne** with First, second & final year Electronics & Telecommunication students. He discussed about Arduino Development Board, Arduino IDE and Arduino programming.



# ELECTROMANIA

## **"Beyond Books: Students in Social and Sports"**



**TIRANGA RALLY**



**SELF DEFENCE (KARATE)**



**SPORTS**



**WATERING THE PLANTS**



# ELECTROMANIA

## **"Learning wWithout Limits"**



**Roll Play Activity to Understand the Working Principle of CE Amplifier under the subject Basic Electronics**



## **MOCK PARLIAMENT DEBATE**

**Roll Play Activity to Understand the concepts of Working of Lok Sabha under the subject Essence of Indian Constitution**



# ELECTROMANIA



## Editorial Team

**Faculty Editor:**  
**Mrs. S. S. Pampattiwar**

**Student Editor:**  
**Mr. Mandar Nagrikar**  
**Ms. Muskan Raut**