

ELECTROMANIA

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January, 2025-Edition

DEPARTMENTAL NEWSLETTER



Published on 30th December 2024

Department of Electronics and Telecommunication Engineering,
Government Polytechnic, Sakoli

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Vision

To produce Electronics and Telecommunication Engineers for development of the society.

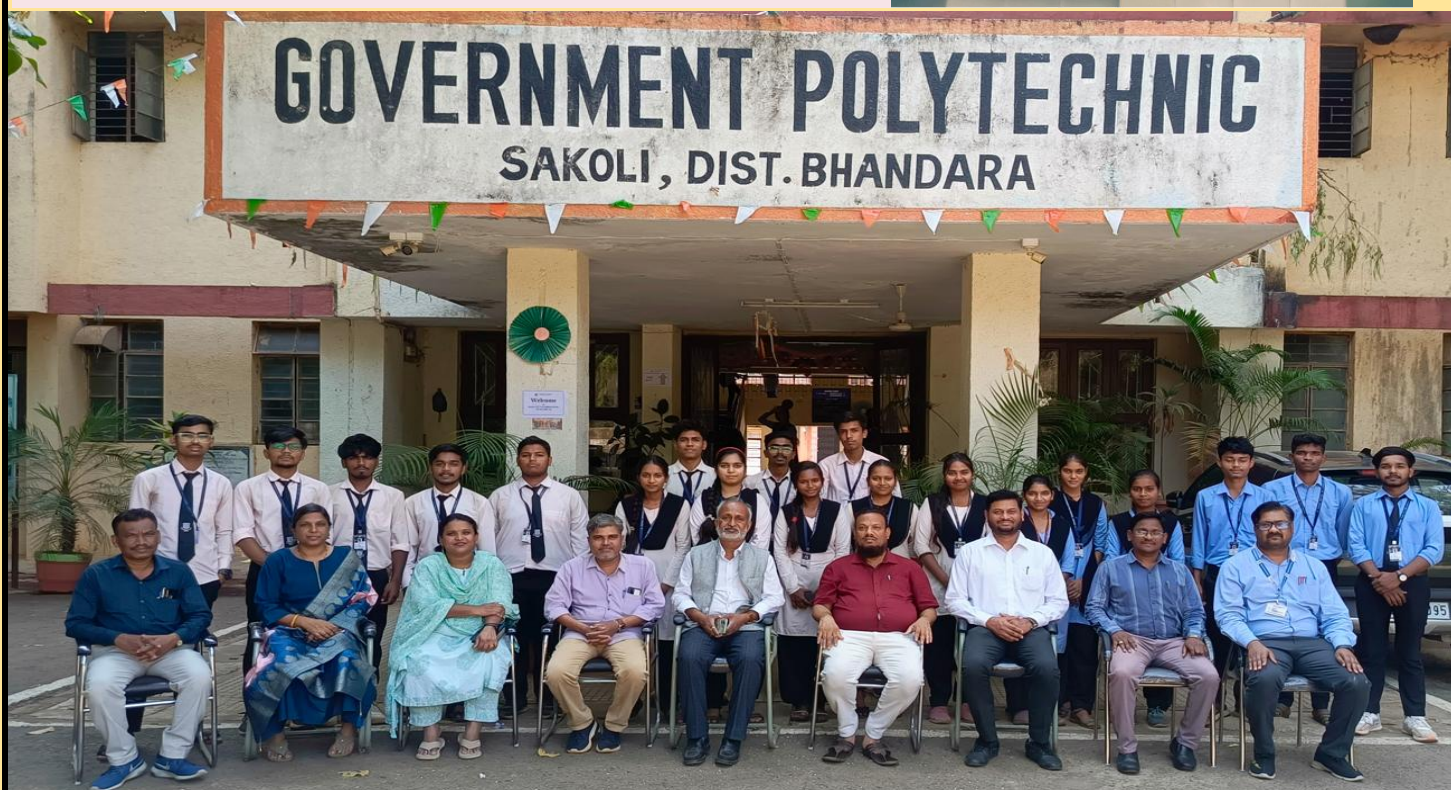
Mission

To impart excellent technical knowledge through modern infrastructure and laboratories.

To promote innovative thinking in the minds of budding engineers.

To develop the students competent to face the challenges incorporating technical and entrepreneurship skills.

To inculcate moral and ethical values.



Department of Electronics and Telecommunication Engineering

Batch – 2024-2025

Our Students Now Our Alumni

NEWS - LETTER: July 2024 – December 2024

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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.

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State Level Project
Presentation Competition
AT
Government Polytechnic
Nagpur
ON
23 October 2024



National Level Technical Paper
Presentation Competition

AT
Government Polytechnic
Nagpur

ON

23 October 2024

"Arduino Based Blind Stick"

"Embedded Based Smart City
Application Using IoT"



PROJECT PRESENTED BY: MR. HARSHAL KARU AND MR. PURVAY WAGHARE

(EJ-51)

GUIDED BY: MRS. S. S. PAMPATTIWAR



PAPER PRESENTED BY: MS. MUSJAN RAUT AND MS. KHUSHI MESHAM

(EJ-51)

GUIDED BY: MRS. S. S. PAMPATTIWAR

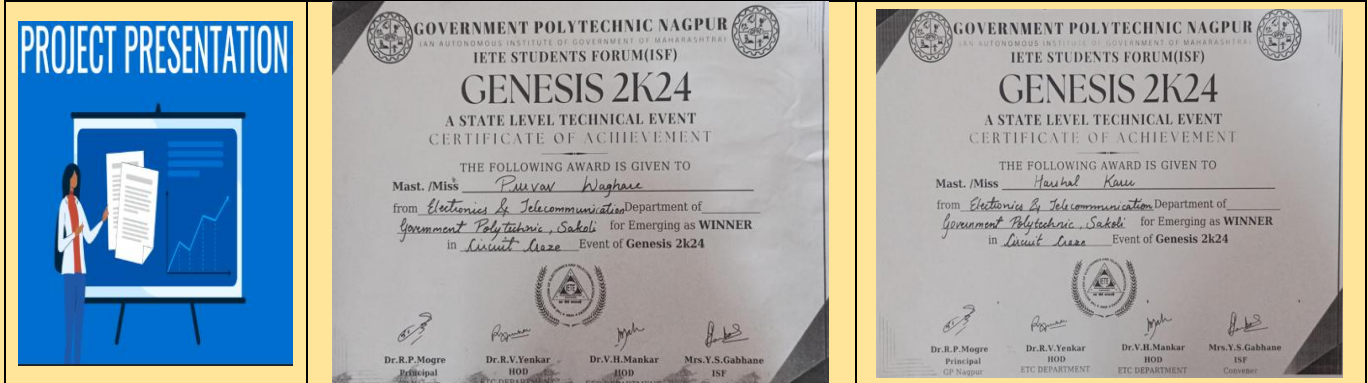


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Technical Skills of Students



State Level Technical Paper Presentation



State Level Technical Event - Project Exhibition



State Level Online Technical Quiz

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Two Days Electronics Workshop

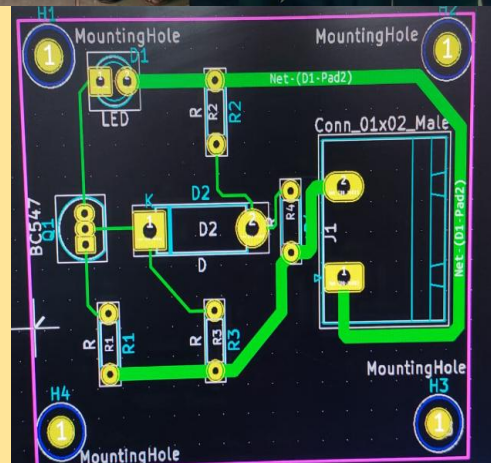
Hands-On Skill Workshop on PCB & Insights into Electronics Discipline

 **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.



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🌀 One Day Workshop for First-Year Students PCB Designing and Circuit Making

📅 **Date: 14th November 2024**

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

As part of skill-building initiatives for new diploma entrants, a special one-day workshop was organized for First Year students. It focused on the basics of PCB designing and circuit making to ignite early interest and provide a strong base for future technical learning. The engaging sessions by Mr. Pradip Nandeshwar included live demonstrations and hands-on practice that brought immense enthusiasm among budding engineers.

The students of first year diploma benefited with this Hands-on session. The session was coordinated by Mrs. S. S. Pampattiwar, Lecturer, E&TC department. Ms. Falguni Titarmare first year student delivered the vote of thanks.



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🌐 Expert Talk: Electronics Development in Japan & Career Opportunities in Foreign Languages

📅 **Date: 05th October 2024**

👤 **Expert Speaker: Mr. Abhishek Wale, Software Developer & Japanese Language Learner**

In a globalizing world, the Department organized a thought-provoking session focusing on "Electronics Development in Japan and Career Opportunities in Foreign Languages". Mr. Abhishek Wale shared his valuable insights on Japan's innovation in electronics and the increasing global demand for multilingual professionals. His talk motivated students to broaden their horizons beyond technical skills by acquiring foreign languages to enhance global employability.

It helped our students understand the current advancements in Japan's electronics sector and how countries like Japan are leading in fields such as automation, robotics, IoT, and embedded systems. The session highlighted the growing importance of foreign language skills—particularly Japanese—as a gateway to international career opportunities. Our students realized that learning a foreign language alongside their technical education can significantly enhance their employability and open doors to roles in multinational companies. The session coordinated by Mr. R. B. Sathe, Lecturer, E&TC department and technical support provided by Mr. L. K. Kothwar, Lecturer, E&TC department.



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Industrial Visit to Toll Plaza and Solar Power Plant – Sakoli

 **Date: 19th October 2024**

Department of Electronics and Telecommunication Government Polytechnic Sakoli

To bridge the gap between classroom learning and real-world applications, the Department of Electronics and Telecommunication organized an insightful industrial visit to the **Toll Plaza and Solar Panel Plant at Sakoli**.

The visit was conducted with the objective of providing students a practical exposure to the working of **automated toll collection systems** and **solar energy technologies**. During the visit, students observed the real-time functioning of **RFID-based toll systems**, **surveillance integration**, **automatic barrier control**, and the **SCADA systems** used for monitoring toll operations.

At the **Solar Panel Plant**, students were introduced to **solar photovoltaic modules**, **battery storage systems**, **inverters**, and the overall setup of **renewable energy generation**. The technical team at the plant explained the process of converting solar energy into usable electric power and how it is integrated with the grid.

The visit enhanced the students' understanding of the practical implementation of electronic and telecommunication systems in infrastructure and energy management. It also sparked discussions on green energy, embedded systems, and industrial automation.

The department extends gratitude to the authorities of both the Toll Plaza and Solar Plant for their cooperation and to the faculty coordinators for organizing the visit successfully. Such visits are a key part of experiential learning that supports the institute's mission of fostering innovation and technical competence among budding engineers.



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The technical event proved to be a valuable platform for enhancing students' practical knowledge, fostering innovation, and encouraging collaborative learning. It not only bridged the gap between theoretical concepts and real-world applications but also inspired students to think critically and creatively. The Department of Electronics and Telecommunication remains committed to organizing such enriching activities that contribute to the holistic development of future engineers.



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NURTURING NATURE, SHAPING THE
FUTURE



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Healthy Habits, Wealthy Life



From Vision to Voice: Newsletter Unveiled

Editorial Team

Faculty Editor:
Mrs. S. S. Pampattiwar

Student Editor:
Mr. Mandar Nagrikar
Ms. Muskan Raut

NEWS - LETTER: July 2024 – December 2024