

NEWSLETTER

ELECTRICAL ENGINEERING DEPARTMENT KALANIKETAN POLYTECHNIC COLLEGE, JABALPUR

(An Autonomous Institute declared by Government of Madhya Pradesh)



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FROM PRINCIPAL'S DESK:

This newsletter reflecting the clear picture of all sorts of activities undertaken by Electrical Engineering Department. It has a dedicated team of faculty and Staff members striving hard to bring out students having latest knowledge and skill so that they can stand



Dr. R. C. Pandey, Principal

in this competitive world. I congratulate the Editorial Board who have accomplished the task in Record Time. My heartfelt congratulations to staff members and students for their effort. With all Best wishes.

HOD MESSAGE:

It is always a pleasure to be a part of a team which strives to bring out the talents of students and staff. The essential purpose of this Newsletter is to inform departmental academic co-curricular and extra-curricular activities of our department. I am sure the department will scale even greater heights in the years to come.



Mrs. A. Pandey, HOD

VISION:

To develop competent diploma electrical engineers to meet the demand of industry and society.

MISSION:

1. To impart quality education for producing diploma engineers.
2. To provide best practices and opportunities to be a professional.
3. To inculcate ethical values with lifelong learning.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs):

1. To acquire knowledge of basic principles of science and engineering.
2. Use and maintain electrical systems, tools and application in field of electrical and allied engineering industry.
3. Ability to practice ethically, lifelong learning, carrier enhancement, work effectively as an individual and team member.
4. To adopt professional and societal needs with environmental sustainability.

PROGRAMME SPECIFIC OUTCOMES (PSOs):

1. Estimate, install, maintain, test and control of various electrical machines and components in electrical power systems.
2. Select and make use of electrical instrument, equipment and machines used in field.
3. Manage energy efficient appliances and renewable energy sources.

PROGRAM OUTCOMES (POs):

1. **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
2. **Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.
3. **Design / development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
4. **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
5. **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
6. **Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
7. **Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes.

INDEPENDENCE DAY CELEBRATION:

We celebrated "78th Independence Day" at our college. Dr. R. C. Pandey, Principal hoisted our national flag. Staff and Students gave their speeches and sang patriotic songs.



WORKSHOP CONDUCTED:

A Workshop on "Troubleshooting and Repair of illumination Panels" was organised by Electrical Engineering Department on 07.09.2024. The event was coordinated by Shri M. A. Khan and Shri R. K. Taksande. During the workshop, students gained hands on experience and learned how to dismantle, test, repair and assemble the illumination panels. Shri Vinay Ramje and Shri Keshav Rao Narnauore provided valuable assistance at the event.



EXPERT LECTURES:

- In connection with the ongoing cleanliness campaign (survey) in the city, an awareness Expert Lecture on “**Swachhata Abhiyaan (Sarvekshan)**” has been organized for creating awareness about cleanliness among the students of the college given by Dr. Seema Kohli, H.O.D., Pharmacy and Shri R. K. Taksande on 28.09.2024 which was coordinated by Shri Vivek Chaturvedi.



- Expert Lecture on “**Artificial Intelligence**” given by Shri Rohan Rajoriya, Lecturer, Information Technology on 30.09.2024 which was coordinated by Shri R. K. Taksande, Shri M. A. Khan and Shri Hemant Raj Maravi.



- Expert Lecture on “**Cracking Campus Placements : Strategies, Resources and Real Life Experience**” given by alumni Shri Pranshu Rai on 30.09.2024 which was coordinated by Shri M. A. Khan, Shri R. K. Taksande and Shri Hemant Raj Maravi.



- Expert Lecture on “**Electrical Safety**” given by Shri S. K. Jain Electrical Safety Engineer from Electrical Safety Department on 09.10.2024. He shared his valuable knowledge on Electrical Safety to prepare students to work in industry as lecture highlighted practical approaches to work safely.



POSTER COMPETITION:

Students of Electrical Engineering Department participated in Poster Making Competition on the Occasion of Engineers Day on 23.09.2024 on theme “Engineering Solution for Sustainable World” to motivate students to practice it. Competition was judged by Shri Rohan Rajoriya, Lecturer, Information Technology and Shri D. Patel, Lecturer, Civil Engineering Department.



INDUSTRIAL VISIT:

One day technical visit to “**220/132 KV Substation, MPPTCL, Nayagaon, Jabalpur**” is organized by our department on 08.11.2024. Students find the opportunity to interact with field Experts, Study substation layout and working of various equipments. Smt. A. Dixit and Shri Hemant Raj Maravi accompanied students. Duty Engineers explained working of substation.



MAHAKAUSHAL VIGYAN MELA:

Our Students participated in Mahakaushal Vigyan Mela and Arogya Expo 2024 from 15 to 18 November 2024 organised by jointly Mahakaushal Vigyan Parishad, M.P. Science and Technology Council Bhopal and Indian Institute of Information Technology, Design and Manufacturing Jabalpur.



TECHNICAL QUIZ:

Third and Fifth semester students participated in **technical quiz**. It help to boost their technical skills and confidence in a competitive environment. “**Technical quiz**” was conducted by Smt. A. Dixit on 21.11.2024. The quiz covered entire Syllabus of Electrical Engineering. Students participated enthusiastically in this event.

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