

# NEWSLETTER

## ELECTRICAL ENGINEERING DEPARTMENT KALANIKETAN POLYTECHNIC COLLEGE, JABALPUR

(An Autonomous Institute declared by Government of Madhya Pradesh)



Vol. - 08, ISSUE - 01, May 2025

### FROM PRINCIPAL'S DESK:

I express my gratitude to Electrical Engineering Department. Our students come out with skills, mind sets & quality that will best equip them for success. With great Enthusiasm I sharing this message with as we embark on another exciting academic year. I am confident that this issue of



**Dr. R. C. Pandey, Principal** Department Newsletter will also send positive information to the staff & students too. This newsletter is like a mirror which reflects the picture of all sorts of activities under taken by the Department.

I congratulate the Editorial Board. Who played wonderful role in accomplishing the task in stipulated time. Also my heartfelt congratulation to staff members and students for their fruitful effort. With Best Wishes.

### HOD MESSAGE:

With great pleasure, I welcome you to this edition Vol. 08, Issue 01, May 2025 of our Department newsletter. This platform provide an essential link which keeping us all connected together & informed about the all information & happenings during academic session. Our



**Mrs. A. Pandey, HOD**

department is working to develop a dynamic and responsive learning environment where students can thrive academically & professionally. We take pride in our faculty's expertise and the achievement of our students in various domains.

Furthermore, I encourage you to actively participate in different activities & opportunities available in the department. Your involvement definitely enriches your academic experience. Wish you all the best.

### 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 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.

### 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.

### 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.

### REPUBLIC DAY CELEBRATION:

We celebrated "76<sup>th</sup> Republic Day" was commemorated with flag hoisting ceremony by Dr. R. C. Pandey, Principal of the college. This was followed by different colorful performances of students to celebrate the occasion. Staff members gave their speech on this occasion.



## WORKSHOP CONDUCTED:

• A Workshop on “**Repair and Maintenance of Ammeter, Voltmeter and Wattmeter**” was organised by Electrical Engineering Department on 06 March 2025. 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 test and repair the meters. Shri Vinay Ramje provided valuable assistance at the event.

• A Workshop on “**Solar Energy Innovation and the Future of Home Power System**” Under “**Vidyut**” by Electrical Engineering Department on 21 March 2025. The event was coordinated by Smt. A. Pandey, H.O.D. and H. R. Maravi.



• A Workshop on “**Electrical Engineering Drawing using CAD**” under “**Embracing Skill something key in loving life**” from 09.04.2025 to 29.04.2025 is conducted by Shri M. A. Khan, Shri R. K. Taksande and Shri H. R. Maravi. So that students are able to work more efficiently, Accurately and Easier collaboration is also possible.



## POSTER COMPETITION:

• Students of Electrical Engineering Department participated in Poster Competition on “**Electrical Safety**” Under “**Rishta & Disha**” on 07.03.2025. So that students are able to understand to prioritize electrical safety to protect human lives. Prioritizing safety measures reduces the risk of injuries and ensures a secure environment for everyone. The event was coordinated Shri R. K. Taksande, Shri M. A. Khan and Shri H. R. Maravi.

## INDUSTRIAL VISIT:

One day Industrial visit to “**Major Transformer Repair Unit**” Jabalpur Under “**Rishta & Disha**” was organised on 19.03.2025 which was supervised by Smt. A. Dixit. Students got exposure in the area of Maintenance of Transformer, various testing of transformer. Transformer Protection methods and uses of Relays etc. which was explained by Sub engineers and Technicians of M.T.R.U., M.P.P.K.V.V.C.L., Jabalpur.



## EXPERT LECTURES:

• Expert Lecture on “**Electrical Safety**” under “**Rishta & Disha**” on 25.03.2025. lecture was delivered by Shri S. K. Jain Electrical Safety Engineer from Electrical Safety Department. He shared his valuable knowledge on Electrical Safety to prepare students to work in industry as lecture highlighted practical approaches to work safely.



• Expert Lecture on “**Preparation of Competitive Examination for Jobs and Opportunity**” by alumni Shri Aditya Sharma and Shri Prashant Kumar on 13.05.2025.

## TECHNICAL QUIZ:

Fourth and Sixth semester students participated in **technical quiz**. It help to boost their technical knowledge and confidence in a competitive environment. “**Technical Quiz**” was conducted by Smt. A. Dixit and Shri H. R. Maravi on 13.05.2025. The quiz covered entire Syllabus of Electrical Engineering. Students participated enthusiastically in this event.



## COMMUNITY PROGRAM:

• Community program by a group of students of final year under “**Energy Saving tips**” conducted on...at Govt. Government Middle School, Jabalpur to develop leadership quality to work in group.

• “**Ban on Single use plastic**” community program by a group of students of final year at Naveen Cant High School Sadar was conducted on Ban on Single use plastic.

• Community program by students of final year on “**Save Environment**” at Government Middle School, Shankarshah Nagar, Jabalpur was conducted on Save Environment.

• Community program on “**Get moving : Physical fun beats virtual gaming**” at Adhyan coaching classes Sethi Nagar, Jabalpur was conducted by a group of students on Learn through fun.

## COLLEGE LEVEL GAMES COMPETITION:

Students of Electrical Engineering Department participated in college level games competitions like Badminton, Carrom, Volleyball and Cricket. In which Shilpi Kachhi secured 1<sup>st</sup> position in Badminton and Carrom, Electrical Engineering Department team secured 1<sup>st</sup> position in Volleyball and also Electrical Engineering Department team runner up in Cricket.

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