

NEWSLETTER

ELECTRICAL ENGINEERING DEPARTMENT
KALANIKETAN POLYTECHNIC COLLEGE, JABALPUR

(An Autonomous Institute declared by Government of Madhya Pradesh)



Vol. - 05, ISSUE - 02, December 2022

FROM PRINCIPAL'S DESK:

This newsletter is 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 in this competitive world.



Dr. R. C. Pandey, Principal

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 gives me immense pleasure that our department releasing Vol. - 05, ISSUE - 02, December 2022 edition of newsletter. I hope this newsletter will inform activities undertaken by department. Faculty of department are experienced and motivated academicians. Students are also eager to cope with the changes and demands of the industry and society. Our aim is to provide best balance of intellectual and practical exposure so that students will be able to serve a variety of societal needs. For that purpose we arrange several workshops, industrial visits, expert lectures and competitions etc. to become best electrical engineer/Entrepreneur. Best wishes always.



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, career 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 "76th Independence Day" at our college. Dr. R. C. Pandey, Principal Sir hoisted our national flag. Staff and Students gave their speeches and sang patriotic songs.

BLOOD DONATION:

"Blood Donation" on 07/09/2022 conducted by Red Cross Society, Jabalpur. Students and Staff of Electrical Engineering donated Blood.



TREE PLANTATION:

To Save the Environment "Tree Plantation" program is done on 07/09/2022 by faculty and staff members of our department.

TRAINING PROGRAMME:

- A "Yoga Training Programme" organised by students of Electrical Engineering on 10/09/2022.



- A Training Programme organised by Electrical Engineering Department on the topic "Cardio Pulmonary Resuscitation (CPR)" on 14/10/2022 given by Indian Society of anesthesia.

WORKSHOP CONDUCTED:

- A Workshop on “**Repair and Maintenance**” of Home Appliances held on 21/10/2022 and conducted by Shri Vinay Ramje and Shri Keshaw Narnoure.
- A Workshop on “**Microcontroller**” conducted by our Alumini Shri Amit Nema on 10/11/2022.



EXPERT LECTURES:

- Expert Lecture organised on “**Start a Startup**” on 13/09/2022 by Shri Agranshu Dwivedi, Incubation Manager of Jabalpur Incubation Center, Udyog Bhawan, Jabalpur. Students learnt incubation centre is a space for new age entrepreneurs and young minds to transform their innovative ideas into variable business propositions. Experts gave their valuable advice on the current start-up culture and its future trends.



- On the occasion of Madhya Pradesh Sthapna Diwas an Expert Lecture on “**Nashamukti**” conducted by Parmarth Nashamukti Evam Punarwas Kendra, Jabalpur on 01/11/2022. The experts Shri Lok Singh Lodhi, Director and Shri Tej Singh Thakur, Counselor of this centre promote prohibition of consumption of Narcotic substance.



- Expert Lecture on “**Recent Trend in Power System Transmission and Distribution**” held on 11/11/2022 by Shri R. K. Khare Executive Engineer, M.P.P.K.V.V.C.L., Jabalpur.



- An Online Virtual Mode Expert Lecture held on the topic “**Microcontroller**” on 14/11/2022 by Shri Mohit Khilwani, Assistant Professor, Takshshila Institute of Engineering and Technology, Jabalpur.

INDUSTRIAL VISIT:

One day technical visit to Vinoba-Bhave “**132/33 kV Substation, MPPTCL, Jabalpur**” is organized by our department on 18/11/2022. Students find the opportunity to interact with Industry Experts, study substation layout its equipment working. Smt. A. Dixit accompanied students. On duty engineers explained working of substation.



POSTER COMPETITION AND ESSAY WRITING:

- Poster Presentation Competition on the topic “**Smart Engineering for Better World**” under students’ chapter held on 15/09/2022.



- Essay writing and Poster presentation competition on the topic “**Ban on Single use Plastics**” under Green campus initiatives organised on 10/10/2022 and 12/10/2022. Students determined not to use any single use plastics anymore.
- On the occasion of Madhya Pradesh Sthapana Diwas “**Essay Writing Competition on Unnat Madhya Pradesh**” held on 01/11/2022 in which Shubham Kori and Tanushree Vishwakarma secured 1st position, Nikhil Chaturevedi and Rishabh Jat secured 2nd position and Swati Tiwari and Anurag Kori secured 3rd position.

SPEECH COMPETITION :

A college level speech competition on “**महात्मा गांधी दर्शन एवं आधुनिक भारत**” under Students’ Chapter conducted on 30/09/2022 in which Raksha Kureel, Devansh Shukla & Abhishek Kushwaha secured 1st position, Sanjay Shukla & Abhishek Mishra secured 2nd position, Shiv Kumar Vishwakarma & Jay Kishan Patel secured 3rd position.

CULTURAL ACTIVITIES AND PROGRAMS:

- A Programme on the subject “**हिन्दी माध्यम में मेडिकल की शिक्षा**” held on 15/10/2022 and 16/10/2022.



- On the occasion of Madhya Pradesh Sthapana Diwas “**Rangoli Competition on Bhavya Madhya Pradesh**” conducted on 01/11/2022 in which Abhishek Kushwaha secured 1st position, Saurabh Chouksey secured 2nd position and Shubham Kori secured 3rd position.



- On the occasion of Madhya Pradesh Sthapana Diwas a “**Nukkad Natak**” was organised on the topic “**Nasha Mukti**” on 02/11/2022.

- Annual Function: It’s a time when students are allowed to showcase their talents, overcome stage fright, gain confidence and learn collaboration. Different “**Cultural Activities**” organised to celebrate annual day on 02/11/2022.



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