

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:

It is a great pride and satisfaction to bring out the new edition of this newsletter released from Electrical Engineering Department. This newsletter shows the students are empowered with good overall knowledge, skill, life values, methodological training etc.



I congratulate all **Dr. R. C. Pandey, Principal** contributor for bringing out this newsletter. Electrical Engineering Department has dedicated and well qualified faculty. I extend my wishes to all students and staff members of Electrical Engineering Department.

HOD MESSAGE:

It gives me a great pleasure that our new edition of newsletter is going to publish. The department regularly organizes various Professional development activities and groom our students with communication classes and personality development program, sports, co-curricular and extra co-curricular activities are arranged.



Mrs. A. Pandey, HOD

Students take part in various intra-college, inter-college competitions. They won many prizes also in different competitions. We motivate students to take initiative for social cause at individual level/as a team. I wish all the very best for future endeavor.

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.

REPUBLIC DAY CELEBRATION:

We celebrated "74th Republic Day" was commemorated with flag hoisting ceremony by Dr. R. C. Pandey, Principal Sir. This was followed by different colorful performances of students to celebrate the occasion. Staff members gave their speech on this occasion.

WORKSHOP CONDUCTED:

- On the theme of "Roles and Importance of Gender Diversity at workplace" a Single day workshop convened on 22/02/2023 by John Deere India Pvt. Ltd. for students. They learned about importance of Gender equality and diversity of personnel at workplace and need to eradicate Gender based discrimination in offices. This workshop is coordinated by Shri R. K. Taksande.
- One day Workshop programme organised on **Loan acceptance/Distribution** through various Beneficiary Schemes and implementation of Vivekanand Career Margdarshan Yojna by Prof. Arun Shukla, Divisional Incharge of Vivekananda Career Margdarshan Yojna and Shri Vineet Kumar Rajak, Senior Manager District Employment and Industry Center on 23/02/2023. Students understand about various beneficiary schemes for loan acceptance / distribution and Vivekanand Career Margdarshan Yojna Scheme.

SEMINAR:

One day Seminar on "Industry 4.0 and startup by planning" conducted by MSME Bhopal and coordinated by Shri R. K. Taksande on 13/04/2023. Student learnt about the Evolving Technological Advancement in Planning and Management in Startup and Industry specially in the domain of Micro, Small and Medium Enterprises.



WOMEN'S DAY CELEBRATION:

- Staff members and Students of Electrical Engineering Department celebrated International Women's day on 14th March 2023 whose theme was **"Gender equality"**.

On the eve of Women's day a Speech Competition held on the topic **"Innovation and Technology for Gender Equality"** on 14/03/2023. Student participated and presented their views on this relevant Topic. In which Divya Vishwakarma secured 1st position, Deepak Bais secured 2nd position, Ankita Kushwaha and Aditya Sharma secured 3rd position.

- Our department have convened an Expert lecture to celebrate **"Women's Day"** given by Madhu Yadav (International Hockey Player) on 14/03/2023.



EXPERT LECTURES:

- An Expert lecture on **"Event Management"** under Professional Services given by Smt. Priyanka Karosiya from Gyan Yatan College of Management, Jabalpur on 24/03/2023 which was coordinated by Shri R. K. Taksande and Shri M. A. Khan.



- An Expert Lecture was organised on 20/04/2023 on topic **"Electrical Power Transmission and Distribution"** given by Er. Saurabh Mishra, IES, Deputy Director (Central Electricity Authority), Ministry of Power, Govt. of India.



- An Expert Lecture was organized on 28/04/2023 on topic **"Awareness program on Blood Donation and General Health"** presented by Dr. Vishal Kastwar MBBS, MD. It spread awareness among students to donate blood.



POSTER COMPETITION:

Poster Presentation competition held on the Topic **"Save Water and Save Environment"** to Celebrate **World Water Day** on 22/03/2023. Students presented their Posters which depict need of Water Conservation and great impact of water scarcity.

TECHNICAL QUIZ:

Fourth and Sixth 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 16/03/2023 and 29/04/2023 respectively. The quiz covered entire Syllabus of Electrical Engineering. Students participated enthusiastically in this event.

INDUSTRIAL VISIT:

One day Industrial visit of **"Major Transformer Repair Unit"** Jabalpur supervised by Shri H. R. Maravi was organized on 15/03/2023. Students got exposure in the area of Maintenance of Transformer, Oil Testing. Transformer Protection methods and uses of Relays etc. explained by Sub engineers and Technicians of M.P.P.KV.V.C.L., Jabalpur.



STATE LEVEL COMPETITION:

State level, Inter Polytechnic **"Technical talent showcase competition 2023"** was organized under students' chapter by Government Women's Polytechnic College, Bhopal on 04/05/2023. Our students participated in various competition.

- In **"Smart Pitch-Innovative Business"** idea Saurabh Chouksey won Second Prize.
- In **"Industry 4.0"**- Power point presentation, Nitin Tripathi won Second Prize and Indrajeet Singh Warkade won Third Prize.
- In Technical Poster presentation Competition on **"Renewable energy resources and their application"**, Aditya Sharma won First, Ayush raj Gupta won Second, and Swati Tiwari & Aditi Marele won Third Prize.

NATIONAL TECHNOLOGY DAY:

Under the joint auspices of Mahakaushal Vigyan Parishad, M.P. Science and Technical Council and Kalaniketan Polytechnic College, Two-days workshop was organised on 11/05/2023 and 12/05/2023 on the occasion of National Technology Day whose theme was **"School to Startup Igniting Young Mind"**.

Various programmes at Institution level held :

- Expert Lecture on **"School to Startup Igniting Young Mind"**.
- Technical Poster Competition on the topic **"Space, Technology, Moon and Vande Bharat"** - Students of our department have participated enthusiastically and came into frontrunner. In this Poster Competition Divya Vishwakarma secured 2nd Rank, Swati Tiwari secured 3rd Rank and Rishabh Jat secured Consolation prize.
- Essay Writing Competition on the topic **"Life of Indian Scientist"** - Our students wrote wonderful essays and some of them got selected for prize. In this Essay Writing Competition Sheikh Sadab secured 1st Rank, Aditi Marele and Indal Prajapati secured Consolation prize.
- In **"Science Quiz"** Competition our students Jaykishan Patel secured 2nd Rank, Ayush Raj Gupta secured 3rd Rank and Rishabh Jat secured Consolation prize.



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