

NEWSLETTER

ELECTRICAL ENGINEERING DEPARTMENT KALANIKETAN POLYTECHNIC COLLEGE, JABALPUR

(An Autonomous Institute declared by Government of Madhya Pradesh)



Vol. - 02, ISSUE - 02, December 2019

FROM PRINCIPAL'S DESK:

I am pleased to know that Electrical Engineering Department of Kalaniketan Polytechnic College, Jabalpur is bringing out Vol. - 02, ISSUE - 02 of departmental newsletter. Education is not an act, it is process of growth. We try our best in every initiative that we undertook and we have stood together in facing the challenges in realizing quality education. Let there be more contributions in coming issues.



Dr. R. C. Pandey, Principal

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 academic, co-curricular, extra-curricular activities of our department. It also helps in building up teamwork which is very much needed today in the world of competition.



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 74th Independence Day at our college. Dr. R. C. Pandey, Principal hoisted our national flag. Sajid Alam, Harsh Chourasia and Kirti Thakur sang patriotic songs and Afreen Khan gave speech on this occasion.

WORKSHOP CONDUCTED:

- One day workshop is conducted on "Maintenance of Electrical Appliances" on 13/09/2019 by Shri Vinay Ramje and Shri Keshav Narnoure for V Sem students. Hands on working experience is gained by students. This workshop is coordinated by Shri R. K. Taksande and Shri H. R. Maravi.
- Workshop on Solar Photovoltaic design, installation maintenance was organized and conducted by Smt. A. Pandey, Smt. N. Saxena, Shri R. K. Taksande, Shri M. A. Khan and Shri H. R. Maravi on 11, 14 & 16 November 2019 for V Semester students. In which students also learnt about non pollutant, non contribution to green house gases and global warming.

TEACHER'S DAY CELEBRATION:

Electrical Engineering Department faculty staff and students celebrated Teacher's day on 5th September 2019.

MENTOR-MENTEE MEETINGS:

Mentor mentee meetings are conducted regularly. This enables focus on individual student. He/She is given guidance, counseling and monitoring for overall improvement of student and nurture accordingly.

COLLEGE LEVEL SPORTS COMPETITION:

College level sports competition for Chess, Cricket, Carom, Volleyball, Badminton and Athletics is organized on 20, 21 & 22 November 2019. Jitendra Singh Marko got Third Position in 100 meter Race, Purushottom Yadav got first position in javelin throw & High Jump and Second position in disc throw. Yash Sharma got first position in Carom.

EXPERT LECTURES:

- Our department organized expert lecturer on “Effective Communication” given by Captain Sunil Bhardwaj on 14/09/2019 which is coordinated by Mrs. N. Saxena and Shri. H.R.Maravi.
- We also organized expert lecturer on “Electrical Safety” on 04/10/2019, which is coordinated by Shri R. K. Taksande & Shri M. A. Khan. Shri S. K. Jain Assistant Engineer shared his valuable knowledge on this topic.
- Expert lecturer on “Micro Controller” is organized by our department on 16/11/2019 Shri. M. A. Khan & Shri. R. K. Taksande coordinated this lecturer and its delivered by Shri Nitin Saxena of Jabalpur Engineering College, Jabalpur.



EXPERT LECTURE BY ALUMUNI:

- Expert lecturer on safety measures taken while working in mines by Shri Sumit Tiwari, Maintenance Engineer at EPIROC Mining India Ltd, Rajasthan is given for V Semester Students. Students also asked questions which are answered by him.
- Expert lecturer on “Operation & Maintenance of Solar and wind power Plant” by Shri Mohd. Irfan is given on 08/11/2019 for V Semester students.

Placement experiences are shared by our college alumini Ms Surabhi Sharma, Trainee Tata Projects, Hyderabad and Shri Vivek Shrivastava, to help students to prepare for the same.

TECHNICAL QUIZ:

Final year students participated in technical quiz. It helped them to sense of confidence and groom them towards professionalism. Technical quiz was conducted by Smt. A.Dixit on 24/10/2019.

Akash Lodhi, Uma Shankar Dhurvey and Abhijit Soni got first Position: Sanjay Dwivedi, Yash Vardhan Eknoriya, Sitaram Vaishya, Arun Kumar Shrungi, Akash Samanta, Satish Kushwaha, Dharvendra Kumar Sen secured second position.

TREE PLANTATION:

Tree plantation by faculty, staff and students of electrical engineering department is done during the month of August 2019.

INDUSTRIAL VISIT:

- One day visit of Vinoba-Bhave 132/33 kV substation of MPPTCL, Jabalpur conducted on 23/10/2019, organized by Shri R. K. Taksande. Substation working is explained by engineers working there.



- V Sem Students were taken to 220/132 kV substation, Nayagoan Jabalpur to see ongoing maintenance and installation on 18/11/2019. Shri. S. K. Dubey explained students the whole process. Shri R.K. Taksande and Shri H. R. Maravi coordinated this visit.

OTHER PROGRAMMS:

- College Level Speech competition on “Save Environment through technological changes on 01/10/2019.
- Blood Donation camp was organized on 20/09/2019 in collaboration with red cross society.
- Movement against use of poly bags, cloth bag making is done on 26/09/2019 by social workers.
- Poster presentation on plastic ban campaign was organized on 15/10/2019.
- College level program on entrepreneurship for person with differently able student on 28/11/2019.
- Seminar on plastic ban “दखिओ दम हो प्लास्टिक कम” by Shri M. Dawar and Smt. Shaheen on 25/11/2019.
- College level extempore competition organized on 19/09/2019 by Shri S. S. Verma, in which 19 students participated of third and fifth semester from electrical engineering department.
- A short play is performed by third semester students on “प्लास्टिक कचरे के दुष्परिणाम” on 14/10/2019.

END TERM EXAM RESULT 2018-2019:

Final Year : Prakash Kumar Verma (First), Gaurab Kumar Pathak (Second), Kirti Shukla (Third)
 Second Year : Amit Kumar Verma (First), Anurag Chaturvedi (Second), and Avinash Kumar Soni (Third)
 First Year : Ritesh Kumar Singh (First), Akash Anand (Second), Afreen Khan & Abhishek Kumar Gupta (Third)

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