

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:

The toughest phase the entire world has seen is during the COVID-19 pandemic period when everything seems to be standstill, But still I am glad that our institute continued in the tough situation and gave our best, not just online teaching-learning we extended our support in every aspect to our students. Lots of programmes organised and attended by student and faculty members. My best wishes for upcoming new session.



Dr. R. C. Pandey, Principal

HOD MESSAGE:

During the Lockdown when country was standstill except essential services but education was evolve in continuing and outreach among students. It was our deemed responsibilities to keep our students engaged in not only education but also for self development. WhatsApp groups, Google Meet, Google Classroom etc. were created for effective communication and other activities. My congratulations to the team who took the responsibility and did difficult task most effectively and upgraded themselves to new platforms.



Mrs. A. Pandey, HOD

This special edition of newsletter showcase contribution of faculty and practices adopted during COVID-19 lockdown. With all the best wishes for healthy and prosperous time ahead.

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 Sir hoisted our national flag.

POSTER COMPETITION:

Students of Electrical Engineering Department submitted Online Poster on the Occasion of Gandhi Jayanti on 02/10/2020 on "Clean India Green India" to motivate students to practice it. Competition was judged online by Shri D. Patel, Lecturer, Civil Engineering Department in which Akansha Singh secured 1st position, Ajmal Khan secured 2nd position and Amit Nema secured 3rd position.

VIRTUAL MODE ACADEMIC ACTIVITIES:

During COVID-19 pandemic situation lockdown period our teaching learning have been continue using Google Meet and Classroom platform. All faculty members along with our students were comfortable in digital teaching learning approach. Faculty and technical staffs have also taken their Lab classes through different online platforms like virtual lab/simulation, sharing practical manual, PPT and videos of experiments performances.

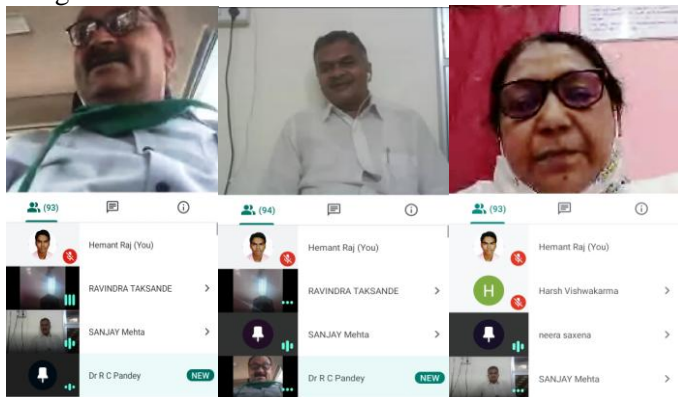
TEACHER'S DAY CELEBRATION:

Teacher's day was celebrated on 05/09/2020 online. Our Principal Sir and HOD Madam gave valuable motivation. All the electrical engineering department students were connected online. In this program students, respected all faculty members for efforts taken by them in overall development of student.

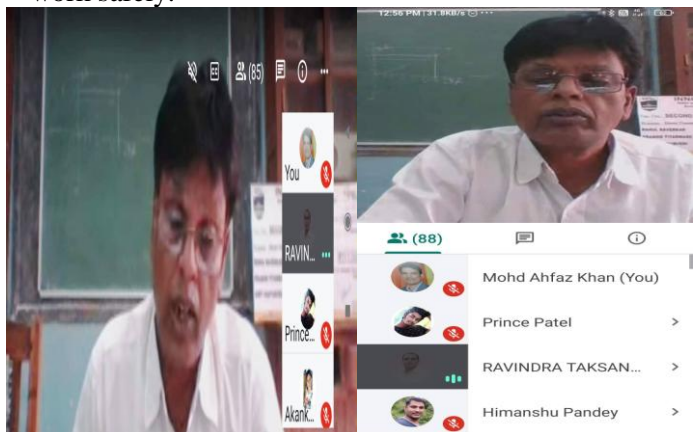


EXPERT LECTURES:

- Online Expert Lecturer was organised on "Overview of Power System" under students' chapter given by Shri Sanjay Kumar Mehta Executive Engineer, M.P.P.T.C.L. and Honorary secretary of Institute Engineers (India), Jabalpur local center on 19/10/2020. The industry personnel not only informed about recent trends in power sector industries. This lecture will help the students to improve their employability in such organizations.



- We have also organised online Expert Lecturer on "Electrical Safety" on 20/10/2020, which was given by industry expert Shri S. K. Jain Assistant Engineer, Electrical Safety Department shared his valuable knowledge on this topic to prepare students to work in industry as lecture highlighted practical approaches to work safely.



ONLINE SEMINAR:

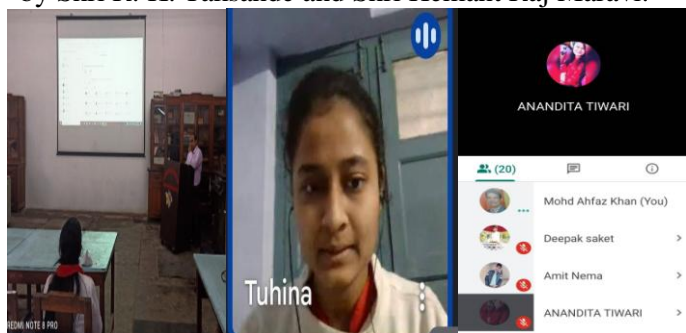
Online seminar was organised on "Introduction to Energy Conservation Building Code (ECBC)" by Madhya Pradesh Urja Vikas Nigam Limited, Bhopal on 10/10/2020. Energy conservation is need of hour so students should be aware of it. Electrical engineering department faculties, staffs and students were present on this occasion.

ESSAY WRITING COMPETITION:

Online Essay Writing Competition was organised on "Role of education in leadership" on the Occasion of "National Education Day" on 11/11/2020 which will help overall development of students.

SPEECH COMPETITION:

Online Speech Competition was organised on "Adverse effect of COVID-19 on Technical Education and its Remedies" on 27/11/2020 which was coordinated by Shri R. K. Taksande and Shri Hemant Raj Maravi.



TECHNICAL QUIZ:

Final year students participated in online technical quiz. It help them to gain confidence and groom them towards professionalism. Technical quiz was conducted by Shri R. K. Taksande on 22/10/2020 in which Anant Agrahari secured 1st position, Shivam Paroha secured 2nd position and Samarthyia Kumhar secured 3rd position.



WORKSHOP CONDUCTED:

Online Workshop on "Solar Photovoltaic System installation & maintenance" was organize and conducted by Smt. A. Pandey, Smt. N. Saxena, Shri R. K. Taksande, Shri M. A. Khan and Shri H. R. Maravi on 01/12/2020 to 12/12/2020 for V Semester students. In which students also learnt about pollutant, contribution to green house gases and global warming.

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