



**Electrical
Engineering
Department**

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Industrial Visit at MSEDCL

An Industrial visit is organized on 21st September, 2019 at 33 kV sub-station MSEDCL, MIDC, Gondia. 63 students of Third year electrical engineering visited the site along with Mr. A.D.Sahasakde, LEE and Ms. L.M.Raut, LEE.

The substation layout, functions of various substation equipment were explained to the students by Er. Shailesh Raju, Asst. Engineer, MSEDCL, Gondia.

This visit will benefit the students for achieving *PO10 Lifelong Learning*.



Students and Faculties with MSEDCL Officer Er.



Students visiting the control room of Solar Power Plant at Birsri Airport, Gondia

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Industrial Visit at Solar Power Plant

An industrial visit is organized to Solar Power Plant at Airport Authority of India, Birsri Airport, Gondia on 24th September, 2019 for the fifth semester students of diploma in electrical engineering.

The visit was organized to enable the students get knowledge about Solar power Plant. The capacity of

plant is 220 KWp. The installation work of plant is in final stage. The students got the opportunity to acquire the knowledge of installation of solar power plant. The students also got the knowledge about the maintenance of solar power plant.

Total 53 students visited the plant. Mr. Kachhiya-

wale, Mr. Chavam and Ms. Raut, lecturer in Elect. Engg, were accompanying the students. Mr. A.D.Sahasakde coordinated the visit. Electrical Engineering Department is very much thankful to Er. and Airport Authority of India, Birsri Airport for their co-operation.

Industrial Visit at Biomass Power Plant

An industrial visit to Team Ferro Alloy Ltd. Gondia, is organized for fifth semester students.

This visit was organized to bridge the gap between theory in the course of Generation Engineering and industry practices.

Total 53 students visited the plant and were exposed to working of different systems like boiler, turbine, cooling tower, etc. along with overall operation of Biomass based Thermal Power plant and electrical power generation.

Mr. Kachhiyawale, Mr. Chavam and Ms. Raut, lecturer in Elect. Engg, were accompanying the students.

The visit is coordinated by Mr. A.D.Sahusakde, Lecturer under the guidance of Prof. C.D.Golghate Princi-

pal and Dr. G.V.Gotmare I/C, HOD Electrical Engineering.



Industrial Visit to 11 kV Substation

An industrial visit of second year students of Electrical Engineering Department was organized on 24th September, 2019 at premises of Government Polytechnic, Gondia. Total 65 students participated in the visit. Dr. G.V.Gotmare, HOD, Mr. V.V. Brahmanekar, Instructor (Electrical) and Mr. Bawane, Instructor (Electrical) guided the students. This visit will benefit the students in learning the areas of 11 kV substation and distribution system.



Expert Lecture on Electrical Accidents and Safety



An Expert lecture on “Electrical Accidents and Safety” was conducted by Ms. Samel, Junior Engineer, IE&L, Gondia, for the students of III & V Semester students of EE.

The session was conducted on 27th September, 2019, the duration of the session was two hour.

Ms. Laxmi Raut welcomes the guest and Mr. A.D.Sahusakde introduces the speaker to the students. Dr. G.V. Gotmare, I/C, HOD and all faculties of EE

Department were present on this occasion.

The expert explained the safety measures to be taken while working with electrical systems and case study on accidents in Gondia district

The expert also shared working of I E & L department. The platform was opened for views on the session for the audience.

Expert Lecture on Electrical Licensing Board

A technical guidance on the theme- "Electrical Licensing Board" by the expert speaker- Ms. Arti Sathavane, Assistant Engineer (II), Industries, Energy and Labour Department, Gov-

ernment of Maharashtra was organized on Monday, 30th of September, 2019 at seminar hall of the institute for Electrical Engineering Students. to become Electrical Contractor.

The event started with warm welcome of guest by Ms. Raut, followed by introduction by Mr. Sahsakde, The students were inspired by the guidance of Ms. Samel on procedure for obtaining license to become Electrical Contractor.



Er. Arti Sathavane, AE -2 Guiding the students

Achievements

- Dr. G.V.Gotmare, Head of the Department appointed as Member Secretary of Mission NBA, Team of DTE, RO, Nagpur.
- Dr. G.V.Gotmare, Head of the Department, appointed as Institute NBA Coordinator.
- Electrical Engineering Department successfully completed

the Centralized First Sessional Examination of all programs of the institute. Mr. A.D.Sahusakde, worked as In-charge and Mr. K.D. Kacchiyawale, Ms. L.Raut, Mr. V.Y. Brahmanekar and Mr. Bawane worked hard for the successful completion of examination task.



New Facility Created

- ◆ Installation of Wiring Boards and Testing Switch Boards in Electrical Workshop by second year students.
- ◆ Removal of Old wiring in Hydraulics Laboratory of Mechanical Engineering by second year student.
- ◆ Installation of Switch Boards in Physics Laboratory of Institute by second year students

using old switch boards of Hydraulic Laboratory of Mechanical Engineering Department

ical Engineering Department



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Save Energy

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Govt. Polytechnic, Gondia

Vision of Program

To develop self motivated, skilled electrical engineers, having professional ethics, to serve industries and society.

Mission of Program

- M1: To impart electrical engineering knowledge for life-long learning.
- M2: To develop electrical engineers to render services to industries and society.
- M3: To inculcate professional and ethical values.
- M4: To provide environment, to develop leadership and effective communication abilities.

PEOs, POs, PSOs of Electrical Engineering Program

Program Educational Objective (PEOs)

- PEO 1. Provide socially responsible, environment friendly solutions to Electrical engineering related broad-based problems adapting professional ethics.
- PEO 2. Adapt state-of-the-art Electrical engineering broad-based technologies to work in multi-disciplinary work environments.
- PEO 3. Solve broad-based problems individually and as a team member communicating effectively in the world of work.

Program Outcomes (POs)

- PO 1. Basic knowledge: Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Electrical engineering problems.
- PO 2. Discipline knowledge: Apply Electrical engineering knowledge to solve broad-based electrical engineering related problems.

PO 3. Experiments and practice: Plan to perform experiments and practices to use the results to solve broad-based Electrical engineering problems.

PO 4. Engineering tools: Apply relevant Electrical technologies and tools with an understanding of the limitations.

PO 5. The engineer and society: Assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to practice in the field of Electrical engineering.

PO 6. Environment and sustainability: Apply Electrical engineering solutions also for sustainable development practices in societal and environmental contexts.

PO 7. Ethics: Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice also in

the field of Electrical engineering.

PO 8. Individual and team work: Function effectively as a leader and team member in diverse/ multidisciplinary teams.

PO 9. Communication: Communicate effectively in oral and written form.

PO 10. Life-long learning: Engage in independent and life-long learning activities in the context of technological changes also in the Electrical engineering and allied industry.

Program Specific Outcomes (PSOs)

PSO 1. Electrical Equipment: Maintain various types of rotating and static electrical equipment.

PSO 2. Electric Power Systems: Maintain different types of electrical power systems.