

## **Vision of the department**

*To grow and develop as a globally accredited Electrical & Electronics Engineering Education Centre, training competent Engineers for tomorrow.*

## **Mission of the department**

- 1. To grow and develop as Centre of excellence in Electrical Engineering Studies promoting students for higher education and research.*
- 2. To train technical graduates highly motivated for accepting challenging assignments in industry, corporate and private sectors.*

## **Program Educational Objectives (PEOs) for AY 2015-16:**

- 1. To develop and produce engineers of excellence possessing team spirit, professional ethics and highly motivated with concern for society, to take up challenging assignments in Electrical equipment manufacturing industry, power sector catering to generation, transmission, distribution & maintenance of power plant equipment and non-conventional energy sectors.*
- 2. To develop and produce engineers highly motivated for lifelong learning towards research, higher education and competitive challenges for future*
- 3. To develop engineers with social, technical & economical concern for accepting assignments in Corporate and private sector.*

## **PROGRAMME OUTCOMES**

### **Engineering Graduates will be able to:**

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

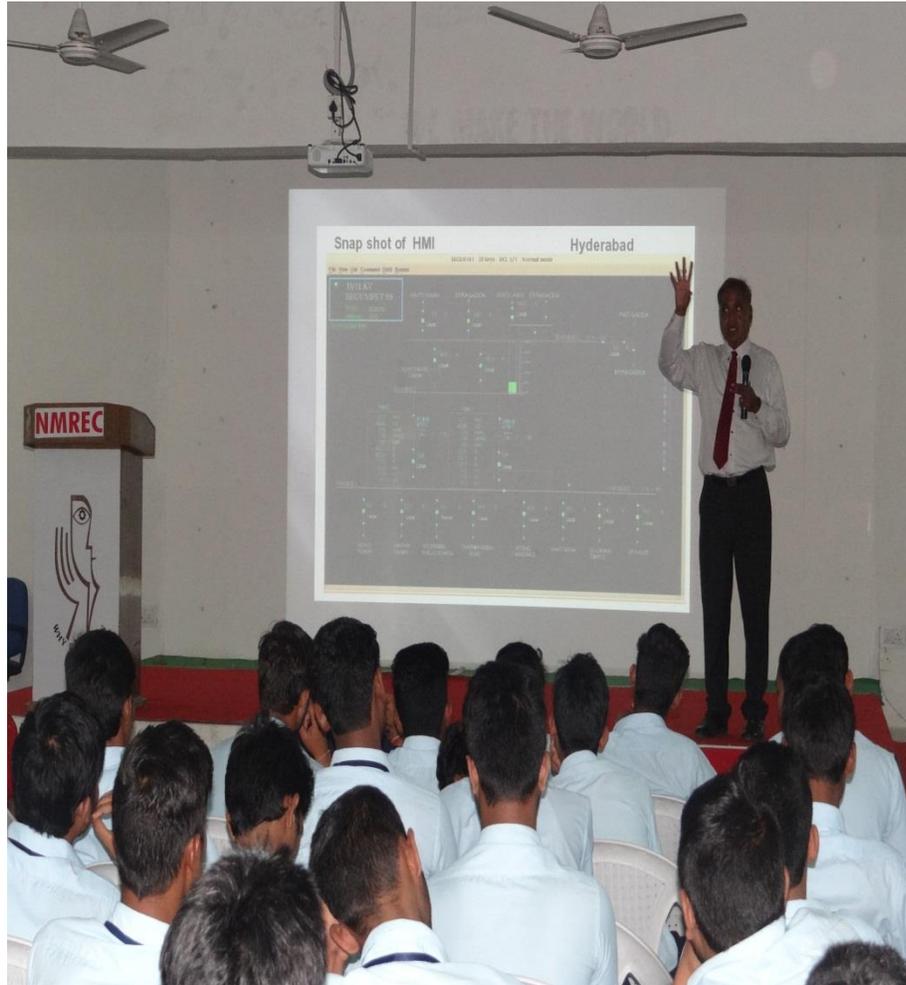
**12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### **PROGRAM SPECIFIC OUTCOMES (PSOs) for 2015-16 & 2014-15:**

1. Develop engineers with professional competence to work for the electrical equipment manufacturing industry in the fields of generation, transmission & distribution.
2. Encourage and motivate students to develop higher skills essential for research and advanced studies in Electrical & Electronics Engineering domain.

## Events conducted in our department for 2018-2019

- A GUEST LECTURE was given BY P. NARENDER KUMAR, a senior faculty member of corporate training centers of GENCO, TRANSCO and DISCOMS, Hyd on 09.08.2018 on the topic **Power System and SCADA**



- GUEST LECTURE BY RAJU NAIK on 18.09.2018 on **Earthing**



- A Solar Workshop was conducted on 29<sup>th</sup> and 30<sup>th</sup> October, 2018 by S.Mahendar Reddy



- AEE Inauguration was conducted on 3<sup>rd</sup> November, 2018 and also a guest lecture was given by Dr. K.S. GANDHI on **Insulation Coordination**

