

BITS edu campus
Institute of Technology
Department of Electrical Engineering

Workshop

Title: One Day Workshop on PCB Design

Date: 5th March, 2016

Experts from CADD Centre Pvt. Ltd. Livewire:

- 1) Mr. Khatrani Vijay P.
- 2) Mr. Ajith Kumar S.



One day workshop was arranged in electrical software laboratory. The workshop was aimed to make the students aware about PCB designing. Initially Mr. Ajith Kumar S. delivered a presentation on PCB Design and its importance. He also explained about different software's used for PCB design. They focused the workshop on OrCAD software. He also presented a short video for practical implementation of PCB Design to students. After that Mr. Khatrani Vijay P. and Mr. Ajith Kumar S. gave hands on training to our students with OrCAD software for PCB designing.



Expert Lectures

Title: Polymeric Composite Insulators: A Revolution in High Voltage Transmission

Date: 9th Jan., 2016

Expert from ERDA, Makarpura, Vadodara: Dr. P. A. Krishnamurthy



The expert talk was arranged in Auditorium – II and was well received by the students and faculty of the Department of Electrical and Mechanical Engineering. The talk reflected the rich experience of Dr. Krishnamurthy. The talk started with different materials used for manufacturing of insulators for transmission lines. The problems with the existing design and due to the environmental conditions were discussed. Polymeric insulators were discussed followed by the proposed silicon rubber based insulators. The talk was concluded with the need for disposal of polymeric insulators and on the new challenges faced particularly in Australian conditions.

Title: Simulation and Modelling in Power System Engineering

Date: 23th Jan., 2016

Expert from Babaria Institute of Technology: Mrs. Amita R. Rathod



The expert lecture was arranged in Microprocessor Laboratory received by faculty of the Department of Electrical Engineering. Different electrical power system topic included in this lecture. The lecture started with Fundamentals of Artificial Intelligence and its usage in power system operation and control with neural network technique. Next subject is congestion management of transmission line. Congestion could be due to various reasons such as transmission line outages, generator outages, changes in energy demand and uncoordinated transactions and also power trading according to CERA. Last one based on Distributed Generation in electricity market which is used saving in generation and transmission cost. The main goal of this lecture is to enhance faculty knowledge and development.