



POORNIMA

INSTITUTE OF ENGINEERING & TECHNOLOGY

A Report of Guest Lecture on Basics of Electrical Engineering

A Guest lecture on the topic “BASICS OF GSS (Grid Sub Station)” was organized by Department of Electrical Engineering on 8th of AUGUST, 2016. The lecture was organized for III year Electrical Engineering students to provide insight into the Basics of Electrical Engineering.

The objective of the Guest lecture is to make aware the students about the applications in the above mentioned topic. The program commenced with the welcome address given by **Mr. A P Vishnu (AEN RSVPNL)**.

Summary:

This is an arrangement of electrical conductors, towers, protective equipment, transformers etc for the operation and maintenance of a power transmission network.

Most common equipments found in a GSS with few abbreviations are-

1. Power transformers
2. Circuit Breakers (CB)
3. Isolators
4. Current transformers (CT)
5. Potential transformers (PT)/ Capacitive voltage transformers (CVT)
6. Bus bars (BB)
7. Surge arrestors (SA)
8. Line trap (for PLC communication)

9. Earthing transformers
10. Auto-Recloser
11. Overhead earth wire
12. Underground earthing system