

## **APOLLO INSTITUTE OF ENGINEERING & TECHNOLOGY**

### **List of Experiments**

**Branch: EE**

**Subject Name: Electrical Power Generation (2140908)**

- 1 Draw and interpret the line diagram of TPS and explain main cycles and working of Thermal Power Plant.
- 2 Draw and Interpret the line diagram and working of Hydro Power Plant.
- 3 To study Energy Conversion in Wind Power generation and annual energy estimation from wind data.
- 4 To find the Electrical Characteristics (I-V and P-V Characteristics) of Photovoltaic Cells.
- 5 Study and working of various Equipments used in Nuclear power plant.
- 6 Study on load curve preparation and its interpretation.
- 7 Visit the website of MNRE/GEDA and prepare the report.
- 8 To prepare the Pay back analysis and financial worksheet of a 50 KW Rooftop Solar Power Plant.
- 9 Study of Lead Acid Battery as energy storage.
- 10 Understand residential electricity bill.