

M. Tech I Year II Semester

18EPSP204 SMART GRID LABORATORY

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Course Prerequisite: Smart Grids

Course Objectives:

1. To understand the operation of smart grid and smart metering aspects.
2. To understand the concept of smart energy storage, measurement and protection of smart grids.

List of experiments

1. Operation of Smart appliances.
2. Smart metering.
3. Smart Energy storage.
4. Protection equipment's for Smart Grid.
5. Monitoring and measurement equipment.
6. Wide area monitoring – Phasor Measurement Units (PMUs).

Course Outcome:

At the end of the course, students will able to

1. Understand the operation of smart grid and smart metering aspects.
2. Understand the concept of smart energy storage, measurement and protection of smart grids.

Mode of Evaluation: Practical, Written Examination