**Scope and Objectives of the Course**

This course is designed to equip students with necessary tools for designing and analyzing power system. This course introduces various design techniques that are used in practice for designing power system. This course provide opportunity for students to have hands on experience in designing and analyzing power system.

After the completion of this course the students will be able to:

CO1: Understand working and operation of power system

CO2: Create computational models for analysis of power system

CO3: Analyse load flow, fault analysis and various problems related to power system

CO4: Select appropriate instruments and tools for designing power system