

<b>Power System Laboratory</b>	
<b>Sl. No.</b>	<b>Title of the Experiments</b>
<i>Power System - I</i>	
01	Determination of the generalized constants A,B, C, D of long transmission line and regulation of a 3- $\Phi$ transmission line model
02	Study of distribution system by network analyzer.
03	Measurement of earth resistance by earth tester.
04	Determination of dielectric strength of insulating oil.
05	Determination of breakdown strength of solid insulating material.
06	Determination of parameter of 3- $\Phi$ transmission line model by power circle diagram.
07	Study of different types of insulator.
08	Study of active and reactive power control of alternator.
09	Study and analysis of an electrical transmission line circuit with the help of software.
10	Determination of dielectric constant, tan delta, resistivity of transformer oil.
<i>Power System - II</i>	
11	Study on the characteristics of on load time delay relay and off load time delay relay.
12	Determination of polarity, ratio and magnetization characteristics of CT and PT.
13	Determination of: A. Under Voltage Relay B. Earth Fault Relay.
14	Study on DC load flow.
15	Study on AC load flow using: A. Gauss-Seidel Method B. Newton Raphson Method
16	Study on Economic Load Dispatch.

17	Study of different transformer protection schemes by simulation.
18	Study of different generator protection schemes by simulation.
19	Study of different motor protection schemes by simulation.
20	Study of different characteristics of over current relay.
21	Study of different protection scheme for feeder.