

Name of the Lab: Power System Simulation Laboratory

EE 8711(ODD Semester)

Regulation 2017

Virtual Link

SL NO	NAME OF THE EXPERIMENT	HYPER LINK
1	Computation of Transmission Line Parameters.	https://www.youtube.com/watch?v=0T6QT2Pxr-4
2	Formation of Bus Admittance and Impedance Matrices and Solution of Networks.	https://www.youtube.com/watch?v=SyPLzTQ9BnU&list=PLB57s6OrG8LjeZMqW9lrCIEQYS6Xs3n4p&index=1 https://www.youtube.com/watch?v=SyPLzTQ9BnU&list=PLB57s6OrG8LjeZMqW9lrCIEQYS6Xs3n4p&index=1
3	Power Flow Analysis using Gauss-Seidel Method.	https://www.youtube.com/watch?v=5gWgmUWoeH4
4	Power Flow Analysis using Newton Raphson Method.	https://www.youtube.com/watch?v=m30VigURPf0
5	Symmetric and unsymmetrical fault analysis.	https://www.youtube.com/watch?v=ZyYMjcdEfE
6	Transient stability analysis of SMIB System.	https://www.youtube.com/watch?v=aSwGUVqrBMQ
7	Economic Dispatch in Power Systems.	https://www.youtube.com/watch?v=rTGAH4b1Mr4&list=PLB57s6OrG8LjeZMqW9lrCIEQYS6Xs3n4p&index=3
8	Load – Frequency Dynamics of Single-Area and Two-Area Power Systems.	https://www.youtube.com/watch?v=GzUcmuSatg
9	State estimation: Weighted least square estimation.	https://www.youtube.com/watch?v=Bm1yqdm_yWc
10	Electromagnetic Transients in Power Systems: Transmission Line Energization.	https://www.youtube.com/watch?v=GTUZ5ikoFMs



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