

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

New Scheme Based On AICTE Flexible Curricula

Electrical & Electronics Engineering, VIII-Semester

EX-804 – SIMULATION LAB

1. Study of various Electrical Toolbox i.e Power System, Power Electronics, Control system, Electrical Measurement, Flexible AC Transmission.
2. Developing Simulation Models for single and three phase Rectifier, Inverter, and Converter for different load models.
3. Developing Simulation Models using FACTS Devices i.e STATCOM, SVC, TCSC, SSSC, IPFC, UPFC in power system transmission lines.
4. Developing Simulation Models of power electronics-based AC & DC Electrical Drives.

Note: -All Experiments based on MATLAB, SCILAB & other SIMULATION software.

REFERENCE

1. Shailendra Jain "Modeling and Simulation using MATLAB Simulink" wileyindia& sons
2. <https://www.scilab.org/>
3. <https://www.mathworks.com/products/matlab.html>