

## **GYAN SAGAR COLLEGE OF ENGINEERING**

New Scheme Based On AICTE Flexible Curricula

**Electrical & Electronics Engineering, VIII-Semester**

### **SIMULATION LAB**

#### **LIST OF EXPERIMENTS**

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