GYAN SAGAR COLLEGE OF ENGINEERING
New Scheme Based On AICTE Flexible Curricula
Electrical & Electronics Engineering, VI-Semester

Power System-II Lab.

LIST OF EXPERIMENTS

1. To develop a program in MATLAB for information of Y-bus matrix for N bus system.

2. Load flow solution for 3-bus system using Gauss- Seidel, Newton Raphson and FDLF methods up to 3 iteration.

3. Load flow solution for IEEE 6-bus and 30-bus system in MATLAB using Newton Raphson method.

4. Assessment of transient stability of a single machine system.

5. Effect of compensation on voltage profile of IEEE 6-bus system.

6. Study of any software tools (PSCAD,EDSA, Mi POWER, ETAP etc)