

EE482: Advanced Electrical Engineering Laboratory:

1. Formation of Y-BUS for the given system using MATLAB code
2. To simulate a TCR circuit using PSCAD.
3. Power Quality calculation using PSCAD
4. To carry out Newton Raphson method of load flow using MATLAB and PST package.
5. Contingency analysis and computation of sensitivity factor using power world simulator
6. Distribution load flow for radial distribution systems and its analysis.
7. To analyse transient stability of the system using MATLAB and PST package.
8. To analyse small signal stability of the system using PST toolbox and MATLAB
9. State estimation and its analysis using MATLAB