

DEPARTMENT: ELECTRICAL

SEMESTER: 7th

**SUBJECT CODE: 2170901** 

SUBJECT: INTERCONNECTED POWER SYSTEM FACULTY NAME: ASST PROF. ANKUR JHA

## **ASSIGNMENT: 6**

- 1. How can the transient stability of system be improved? Discuss the traditional as well as new approaches to the problem.
- 2. Discuss various methods to improve steady state stability.
- 3. Discuss the procedure for solving the swing equation using point-by-point method.
- 4. Discuss the dynamics of synchronous machine and hence derive the swing equation.
- 5. Explain equal area criteria of stability.

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