

**Take any two case studies**

- Any software system
- Server
- Drone System
- Digital Feedwater Control System in Nuclear Power Plant
- Traction Power Supply System (TPSS) in railway electrification i.e. railway TPSS
- Injection System of nuclear power plant
- Shutdown system of nuclear power plant

**Implement Fault Tree Analysis (FTA), RBD, of Safety critical system using the Sharpe tool. Evaluate these models with respect all metrics present in the Sharpe tool.**

**Implement Markov chain and Petri nets for evaluation of dependability attributes with respect to all metrics present in the Sharpe tool.**

**Compare these 4 models with respect to Reliability, Unreliability, MTTF and Variance. Conclude your findings**

**The report should contain all figures and graphs along with an explanation of each diagram**