**Real Time Systems (NCS-082)**

**Assignment 1**

1. Define Real Time systems and its applications.
2. What are the common approaches to Real Time Scheduling? Explain any one.
3. What are the different reference models for RTS? Explain any one.
4. Explain Rate monotonic algorithm.
5. Write differences between hard and soft real time systems.
6. What do you mean by periodic task model? Explain.
7. Differentiate between dynamic and static systems.
8. What do you mean by optimality of effective-deadline-first? Explain
9. Differentiate offline and online scheduling.
10. Explain scheduling aperiodic in priority driven system.
11. Explain Least-Stack-Time-First algorithm.
12. Explain average waiting time for any two scheduling algorithm with an appropriate example.
13. Explain temporal parameters of real time workload.
14. Define and explain precedence constraints and data dependency.
15. Write short notes on weighted round robin approach.
16. Write short notes on Clock driven approach.