REAL TIME SYSTEMS SEMINAR.

TOPIC: HANDLING APERIODIC OVERLOAD.

1. INTRODUCTION
- ➢ Definitions
  - An overloaded system
  - Value
  - Typical scheduling schemes
  - Competitive factor
- ➢ Some important mathematical formulas
  - Performance metrics
  - Effective value density
  - Competitive factor

2. HANDLING OVERLOADS
- ➢ overload handling
  - problem formulation
- ➢ scheduling schemes with example algorithm
  - ROBUST Algorithm(Best effort)
  - D-Over algorithm (With acceptance)
  - RED Algorithm (Robust scheme)

3. OVERLOAD HANDLING WITH FTT-CAN PROTOCOL
- ➢ FTT-Can protocol

- ➢ Problem formulation
- ➢ Schedulability analysis
- ➢ Overload management