Select one of the following for the term paper. You also have the option of proposing a topic for a term paper.

- Investigate SysML (System Modeling Language) for real-time systems development.
- Investigate MARTE (Modeling and Analysis of Real-Time and Embedded Systems) profile for real-time system development.
- Investigate real-time software product lines.
- Investigate real-time software design of cyber-physical systems.
- Investigate software design of real-time systems based on the Internet-of-Things
- Investigate framework and tool support for concurrent task structuring
- Investigate real-time scheduling algorithms including rate monotonic analysis, earliest deadline scheduling, energy-saving algorithms.
- Investigate and implement real-time scheduling algorithm.
- Investigate and implement tool support for real-time scheduling environment to allow running experiments
- Investigate smart sensors and actuators for real-time embedded systems.
- Investigate special purpose real-time applications, e.g., computer games, unmanned flying vehicles (drones or planes), mobile robots, unmanned submarines, automated traffic control, automated highways, smart homes, smart cities
- Investigate energy saving real-time systems.
- Investigate multi-core support for concurrent real-time systems.