Distributed and Embedded Real-Time Systems (640751)

First Semester 2016-2017 Projects

Project 1: Real-Time Events Recorder Design.

Project 2: Distributed and Embedded Real-Time System Design using Wireless Sensor Network.

Project 3: Distributed Alarm System Design.

Project 4: Real-Time control of a Mobile Robot.

Project 5: Real-Time Control of 3DOF Manipulator.

Project 6: Remote Monitoring System for a Photovoltaic Power Station.

Project 7:   Microcontroller-Based Real-Time Algorithm Implementation.

Project 8: FPGA-Based Embedded Real-Time System Design.

Project 9: Wireless Networked Architecture for Multi-Robot System.

Project 10: Power Saving Algorithm for Wireless Sensor Networks

Phase 1: *Project Selection and Summary*   *24October, 2016*

Phase2: *Planning Phase: Design Plan & Requirement Analysis,* *21 November, 2016*

Phase3: *Development Phase: Hardware and software design*   *12 December, 2016*

Phase4: *System Realization and Final Report*   *9 January, 2017*

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