

Preliminaries

EE5182 Microcontrollers and Embedded Systems

Course Outline

1. Introduction
2. Embedded design concepts and definitions
3. System architectures
4. Introduction to ARM core architecture
5. On-chip peripherals
6. Basic embedded programming
7. Interfacing
8. Communication
9. Real time operating system concept
10. Introduction to Ucos II RTOS
11. Programmable logic controllers (PLCs)
12. Revision

Additional Information

- Lecture slides:
 - <https://academic.nimal.info/ee5182/>
- Contact:
 - nimal@sjp.ac.lk