

# Embedded Systems

| Session     | Topic  | PPT                    | Recordings              |
|-------------|--|------------------------|-------------------------|
| Lec 1 4/1   | Overview of embedded systems                         | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Lec 2 7/1   |  |                        | <a href="#">Lecture</a> |
| Lec 3 8/1   |  |                        | <a href="#">Lecture</a> |
| Lec 4 11/1  | Design Considerations of Embedded Systems            | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Lec 5 15/1  | Arch of ARM  | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Lec 6 19/1  | ARM ISA  | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Lec 7 21/1  | ARM ISA  |                        | <a href="#">Lecture</a> |
| Lec 8 22/1  | ARM ISA, Intro to ARM Cortex-M4F and its peripherals | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Lec 9 25/1  |  |                        | <a href="#">Lecture</a> |
| Lec 10 28/1 | Input Output Devices                                 | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Lec 11 29/1 |  | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Lec 12 1/2  | Digital to Analog World                              | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Lec 13 4/2  | Analog to Digital                                    | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Lec 14 5/2  |  |                        | <a href="#">Lecture</a> |
| Lec 15 8/2  | Discussion session                                   |                        | <a href="#">Lecture</a> |
| Lec 16 11/2 |  |                        | <a href="#">Lecture</a> |
| Lec 17 12/2 |  |                        | <a href="#">Lecture</a> |

## Practice

| Session       | Topic                          | PPT                    | Recordings              |
|---------------|--------------------------------|------------------------|-------------------------|
| Intro session |                                |                        | <a href="#">Lecture</a> |
| Practice 1    | Blinking LEDs                  | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Practice 2    | Blinking LEDs using switch     | <a href="#">Slides</a> | <a href="#">Lecture</a> |
| Practice 3    | Blinking LEDs using 2 switches | <a href="#">Slides</a> |                         |