

# Embedded Systems

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**Faculty - Dr. Munesh Singh**

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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="#">Lecture</a>
Lec 11 29/1			<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>
Lec 18 15/2	PWM	<a href="#">Slides</a>	<a href="#">Lecture</a>
Lec 19 18/2			<a href="#">Lecture</a>
Lec 20 22/2			<a href="#">Lecture</a>

## Practice

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Session	Topic	PPT	Recordings
Intro session			<a href="#">Lecture</a>
Practice 1	Blinking LEDs	<a href="#">Slides</a>	<a href="#">Lecture</a>

Session	Topic	PPT	Recordings
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>	
Practice 4	DAC using R-2R ladder	<a href="#">Slides</a>	<a href="#">Lecture</a>
Practice 5	ADC to digital conversion	<a href="#">Slides</a>	<a href="#">Lecture</a>