



<b>Course:</b> M.Sc.	<b>Name of Faculty:</b> Dr. Bijoy A. Jose
<b>Topic:</b> ELE 2201 Introduction to Embedded Systems	<b>Semester:</b> 3
<b>Lecture Hall:</b>	<b>Timings:</b> as per CBCS - A

<b>Week and date</b>	<b>Lecture topics</b>	<b>Assignments</b>	<b>Remarks</b>
1 : 3 Jan 2017	M1: Embedded Systems introduction, features, trends		
2: 9 Jan	M1: RTOS, architectures, CISC, RISC	<i>Assignment-1</i>	
3: 16 Jan	M1: Design, issues, interfacing, tools and testing		
4: 23 Jan	M2: PIC Microcontroller pin and architecture details		
5: 30 Jan	M2: Addressing modes, instruction set, PWM, interrupts, times and counters	<i>Assignment-1 submission</i>	
6: 6 Feb	First Internals		
7: 13 Feb	M3: Interfacing, RS232, RS485, SPI	<i>Assignment-2</i>	
8: 20 Feb	M3: I2C, USB, ADC, LCD, keyboard, touchscreen		
9: 27 Feb	Seminars		
10: 6 Mar	M4: Programming of PIC, applications of PIC		
11: 13 Mar	M4: case studies of PIC, OS		
12: 20 Mar	M5: ARM architectures, organization, ISA	<i>Assignment-2 submission</i>	
13: 27 Mar	Second Internals		
14: 3 Apr	M5: LPC1343, programming model, memory and pipelining		