

DR. NACHARYA

COLLEGE OF ENGINEERING

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: ECE

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code: Microcontroller and Embedded Systems (EE-312-F)

Name of Faculty with designation : Krishanu Kundu, Asst. Prof

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
January	09.01.2018 Tuesday	VI-ECE	1	Introduction & Need of Microcontrollers, Different types of microcontrollers: Embedded microcontrollers	.....	Assignment of 02 Ques. given
January	10.01.2018 Wednesday	VI-ECE	1	External memory microcontrollers; Processor Architectures: Harvard V/S Princeton	.....	Assignment of 02 Ques. given
January	11.01.2018 Thursday	VI-ECE	1	CISC V/S RISC; microcontrollers memory types	.....	Assignment of 02 Ques. given
January	16.01.2018 Tuesday	VI-ECE	1	microcontrollers features : clocking, i/o pins, interrupts	.....	Assignment of 02 Ques. given
January	17.01.2018 Wednesday	VI-ECE	1	Explanation of timers, peripherals.	.....	Assignment of 02 Ques. given
January	18.01.2018 Thursday	VI-ECE	1	Discussion on previous year question papers	.....	Test
January	23.01.2018 Tuesday	VI-ECE	1	Introduction to PIC microcontrollers,	.....	Assignment of 02 Ques. given
January	24.01.2018 Wednesday	VI-ECE	2	Architecture and pipelining of PIC Microcontroller	.....	Assignment of 02 Ques. given
January	25.01.2018 Thursday	VI-ECE	2	program memory considerations in PIC	.....	Assignment of 02 Ques. given
January	30.01.2018 Tuesday	VI-ECE	2	Addressing modes, CPU registers	.....	Assignment of 02 Ques. given
February	1.02.2018 Thursday	VI-ECE	2	Instruction set	Assignment of 02 Ques. given

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February	6.02.2018 Tuesday	VI-ECE	2	simple operations,Memory Interfacing	Assignment of 02 Ques. given
February	7.02.2018 Wednesday	VI-ECE	2	Assembly language Programming	.....	Assignment of 02 Ques. given
February	8.02.2018 Thursday	VI-ECE	2	Discussion on previous year question papers	.....	Test
February	20.02.2018 Tuesday	VI-ECE	3	Microcontroller 8051- Architecture, Pin Diagram	.....	Assignment of 02 Ques. given
February	21.02.2018 Wednesday	VI-ECE	3	I/O Ports, Internal RAM and Registers, Interrupts	.....	Assignment of 02 Ques. given
February	22.02.2018 Thursday	VI-ECE	3	Addressing Modes, Memory Organization and External Addressing	.....	Assignment of 02 Ques. given
February	27.02.2018 Tuesday	VI-ECE	3	Instruction Set	.....	Assignment of 02 Ques. given
February	28.02.2018 Wednesday	VI-ECE	3	Assembly Language Programming	.....	Assignment of 02 Ques. given
March	6.03.2018 Tuesday	VI-ECE	3	Real Time Applications of Microcontroller- Interfacing with LCD	.....	Assignment of 02 Ques. given
March	7.03.2018 Wednesday	VI-ECE	3	Interfacing with ADC, DAC, Stepper Motor	.....	Assignment of 02 Ques. given
March	8.03.2018 Thursday	VI-ECE	3	Interfacing with Key Board and Sensors	.....	Assignment of 02 Ques. given
March	13.03.2018 Tuesday	VI-ECE	3	Discussion on previous year question papers	.....	Test
March	14.03.2018 Wednesday	VI-ECE	4	Embedded Systems-Introduction, Classification	.....	Assignment of 02 Ques. given
March	15.03.2018 Thursday	VI-ECE	4	Processors, Hardware Units, Software Embedded into System	.....	Assignment of 02 Ques. given
March	27.03.2018 Tuesday	VI-ECE	4	Applications and Products of Embedded Systems	.....	Assignment of 02 Ques. given
March	28.03.2018 Wednesday	VI-ECE	4	Structural Units in Processor,Memory Devices, I/O Devices, Buses	.....	Assignment of 02 Ques. given
April	3.04.2018 Tuesday	VI-ECE	4	Interfacing of Processor Memory and I/O Devices	Assignment of 02 Ques. given

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April	4.04.2018 Wednesday	VI-ECE	4	Case Study of an Embedded System for a Smart Card.	Assignment of 02 Ques. given
April	5.04.2018 Thursday	VI-ECE	4	Discussion on previous year question papers	.....	Test
April	10.04.2018 Tuesday	VI-ECE	1	Revision classes on difficult & important topics	.....	Test
April	11.04.2018 Wednesday	VI-ECE	2	Revision classes on difficult & important topics	.....	Test
April	12.04.2018 Thursday	VI-ECE	3 &4	Revision classes on difficult & important topics	.....	Test