

Specimen of lesson Plan Duration : JUL-NOV-2019

Name of the Faculty : SmtShaliniGarg

Discipline:ElectronicsandCommunicationEngg.

Subject:MICROCONTROLLERS

Semester : Vth

WorkLoad(Lecture/Practical)perweek(inhours):03HOURS(Theory)+06HOURS(03Hours*2Groups)(PRACTICAL)

Week	Theory		Practical	Week	Theory		Practical
	Lecture day	Topic (including assignment/ test)	Topic		Lecture day	Topic (including assignment/ test)	Topic
1 st	1	Architecture of 8051Microcontroller	Introduction	10 th	28	Compiler operations	Programming for A/D converter, result on LCD
	2	Architecture of 8051Microcontroller			29	De bugger	
	3	Architecture of 8051Microcontroller			30	REVISION	
2 nd	4	Pin details	Familiarization with Micro-controller Kit and its different sections	11 th	31	Keypad interface	Programming for D/A converter, result on LCD
	5	I/O Port structure			32	7- segment interface	
	6	Memory Organization			33	REVISION	
3 rd	7	Special Function Registers (SFRs)	Familiarization with Assembly Language Programming (PC Based)	12 th	34	REVISION	Viva
	8	External Memory			35	REVISION	
	9	REVISION			36	2nd Sessional Test	
4 th	10	REVISION	Programming to interface switches and LEDs	13 th	37	LCD interface with programming	Programming for serial data transmission from PC to Kit or Vice versa
	11	Instruction Set of 8051			38	A/D, interface with programming	
	12	Instruction Set of 8051			39	D/A interface with programming	
5 th	13	Instruction Set of 8051	Viva	14 th	40	RTC interface with programming	Programming and interfacing of RELAY and Buzzer
	14	Time Compression			41	REVISION	
	15	Addressing Modes			42	REVISION	
6 th	16	Types of Instructions	Programming and interface of Seven Segment and LCD	15 th	43	REVISION	Revision
	17	Types of Instructions			44	Introduction of PIC Micro controllers	
	18	Types of Instructions			45	Introduction of PIC Micro controllers	
7 th	19	Timer operation	Programming and interfacing of Graphical LCD	16 th	46	Introduction of PIC Micro controllers	Revision
	20	Serial Port operation			47	REVISION	
	21	Interrupts			48	REVISION	
8 th	22	REVISION	Programming to interface Hex 4x4 matrix Keypad	17 th	49	REVISION	Viva
	23	REVISION			50	REVISION	
	24	1st Sessional Test			51	3rd Sessional Test	
9 th	25	Assembler directives	Viva				
	26	Assembler directives					
	27	Assembler operation					