

PIC session wise Breakup

		Topics	Theory	Lab	Total No of hours
DAY 1	Introduction to Embedded Systems	Classification of Embedded Systems,Applications	1Hrs		1Hrs
	Introduction to PIC Microcontrollers	PIC Architecture and Pinout			
		Types of Memory,Register Description	1Hrs		1Hrs
	Introduction to PIC Microcontrollers	I/O Ports	2hr		2Hr
		Introduction to assembly Language			
		Introduction to Mplab IDE,Hi Tech C			
DAY 2	LED Interfacing	Four bit binary counter using LEDs.	1Hr		1Hr
	Peripheral Interfacing	Interfacing 7 segment LED and LCD		1Hrs	1Hrs
		USART,ADC,Timers,External Interrupt			

DAY 3	Peripheral Interfacing	DC motor control,Stepper motor interfacing	1Hrs	3Hr	4Hrs
		Button,Buzzer,IR Interfacing			
	Interfacing of modules	PIR Sensor,Vibration Sensor	1Hr	1Hrs	2Hrs
		LDR,Load Cell,LM35			
		Flame Sensor ,Gas Sensor,Alcohol Sensor			
DAY 4	Interfacing of modules	Heart Beat Sensor,Eye Blink Sensor	3hr	3Hr	6Hrs
		RF Module,GSM Interfacing			