



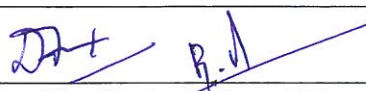
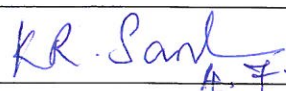
Department of Electrical and Electronics Engineering		LP: EE18512
B.E/B.Tech/M.E/M.Tech : EEE		Rev. No: 00
Specialisation : Nil	Regulation: 2018A	Date:
Sub. Code / Sub. Name : EE18512 – Microprocessors and Microcontrollers Laboratory		04.07.2023

Session No*	List of Experiments
CYCLE-I	
1	Simple arithmetic operations: addition / subtraction / multiplication / division using 8085
2	Programming with control instructions using 8085: Ascending / Descending order, Maximum / Minimum of numbers.
3	Programming with control instructions using 8085 : Programs using Rotate instructions.(iii) Hex / ASCII / BCD code conversions.
4	Simple arithmetic operations: addition / subtraction / multiplication / division using 8051
5	Interface Experiments with 8051(i) A/D Interfacing (ii) D/A Interfacing
6	Traffic light controller using 8051
CYCLE-II	
7	I/O Port / Serial communication using 8051
8	Programming Practices with Simulators/Emulators/open source
9	Read a key and display it using 8051
9	Programming I/O Port 8051 - study on interface with DC & AC motor.
10	Interfacing 16 X 2 LCD with 8051.
11	Establishing Communication between 8051 microcontroller and PC using UART
12	. Mini project development with Microcontroller
Content beyond syllabus (if any): Interfacing 8051 with Stepper Motor Binary counter using Rasberry Pi (PICO), Temperature measurement using ARM Controller.	

* Session Duration: 150 minutes



Sub. Code / Sub. Name: EE18512/Microprocessor and Microcontroller

	Prepared by	Approved by
Signature		 A. 7-23.
Name	Dr. D. Amudhavalli/ Dr. R.J. Venkatesh	Dr. KR. Santha
Designation	Assistant Professor	Professor/HOD
Date	04/07/2023	04/07/2023
Remarks* :		
Remarks* :		

* If the same lab plan is followed in the subsequent semester/year it should be mentioned and signed by the Faculty and the HOD