

## Department of Information Technology

### LESSON PLAN

**Subject: Microprocessor Interfacing and Application      Subject code: PE-IT-208A**

**Session: 2022-23**

**Semester: VI**

SNo	Topic	No. of Lectures required	CO Covered	Teaching Methodology
1	<b>Introduction of Microprocessor</b>	1	CO1	Board
2	Introduction about the subject, books, and CO-PO	1		Board
3	History of microprocessor	1		Board
4	Pin description	1		Board/PPT
5	Architecture of Intel 8085 microprocessor	2		PPT
6	Bus, register organization	1		PPT
7	Memory organization, Flags	1		PPT
8	Stack, Timing and control unit	1		PPT
9	Instruction cycle, machine cycle	1	CO1	PPT
10	Timing diagram for Fetch and Memory read / write	2		Board
11	Revision /Doubts UNIT-1	1		Board
12	<b>Programming of 8085:</b> Instruction and data formats	1	CO2	PPT
13	Instruction Set of 8085	3		PPT
14	Introduction to Assembly Language Programming	1		PPT
15	Stacks and Subroutines; counter and time delay	1		PPT
16	Revision /Doubts UNIT-2	1		Board
17	<b>Interfacing I/O devices:</b> Basic interfacing concept	2	CO3	PPT
18	Interfacing output displays	1		PPT
19	Memory Mapped I/O	1		PPT
20	Interrupt structure of 8085	2		Board
21	Revision /Doubts UNIT-3	1		Board
22	<b>Peripheral devices:</b> Introduction	1	CO4	Board
23	Programmable Peripheral Interface (8255)	2		PPT
24	DMA controller (8237)	2		PPT
25	Programmable keyboard/ Display interface (8279)	2		PPT
26	<b>Microprocessor application</b>	1		Board
27	Interfacing of LCD	1	Board	

28	Matrix keyboard	1		Board
29	Introduction to Microprocessor Controlled Temperature System (MCTS)	1		Board
30	Revision /Doubts UNIT-4	2		Board
31	Revision of Old University Papers	1		Board
32	Revision of Old University Papers	1		Board