

ORISSA SCHOOL OF ENGINEERING & POLYTECHNIC

SUBJECT: MICROPROCESSOR AND MICROCONTROLLER

BRANCH: E&T

NAME OF THE FACULTY: I.R. SIBA PRASAD PANDA

SEMESTER: 4TH

DATE	SL NO.	TOPIC TO BE COVERED
04-02-2024	1	INTRODUCTION TO MICROPROCESSOR AND MICROCONTROLLER
05-02-2024	2	DIFFERENCE BETWEEN MICROPROCESSOR AND MICROCOMPUTER
06-02-2024	3	CONCEPT OF ADDRESS BUS, DATA BUS, CONTROL BUS AND SYSTEM BUS
10-02-2024	4	GENERAL BUS STRUCTURE
10-02-2024	5	ARCHITECTURE OF 8085
11-02-2024	6	REGISTER ORGANISATION
12-02-2024	7	DIFFERENCE BETWEEN GPR AND SPR
13-02-2024	8	PIN (1 TO 20) DESCRIPTION OF 8085
15-02-2024	9	PIN (21 TO 40) DESCRIPTION OF 8085
15-02-2024	10	STACK, STACK POINTER AND STACK TOP
17-02-2024	11	8085 INTERRUPTS
17-02-2024	12	SIM, RIM
18-02-2024	13	DISCUSSION OF UNIT-1
19-02-2024	14	INSTRUCTION SIZE
20-02-2024	15	ADDRESSING MODES
24-02-2024	16	INSTRUCTION SET, DATA TRANSFER GROUP
24-02-2024	17	ARITHMETIC GROUP, LOGICAL GROUP
25-02-2024	18	BRANCH GROUP
27-02-2024	19	MACHINE CONTROL GROUP
01-03-2024	20	ASSEMBLY LANGUAGE PROGRAM
01-03-2024	21	ADDITION PROGRAM
03-03-2024	22	SUBTRACTION PROGRAM
03-03-2024	23	LOGICAL OPERATION, MASKING OF BITS
04-03-2024	24	TIME DELAY PROGRAM
06-03-2024	25	LOOPING AND COUNTER
10-03-2024	26	STACK OPERATION, 16-BIT DATA OPERATION
10-03-2024	27	DATA CONVERSION, COMPARE PROGRAM
11-03-2024	28	MEMORY AND I/O ADDRESSING
12-03-2024	29	DEFINITION OF OPCODE, OPERAND, MACHINE CYCLE, T-STATE AND TIMING DIAGRAM
13-03-2024	30	INSTRUCTION CYCLE
17-03-2024	31	TIMING DIAGRAM OF FETCH CYCLE
17-03-2024	32	TIMING DIAGRAM OF MEMORY READ AND MEMORY WRITE CYCLE
18-03-2024	33	TIMING DIAGRAM OF I/O READ AND I/O WRITE CYCLE
19-03-2024	34	TIMING DIAGRAM OF MOV INSTRUCTION
20-03-2024	35	TIMING DIAGRAM OF MVI INSTRUCTION
24-03-2024	36	TIMING DIAGRAM OF LDA INSTRUCTION
24-03-2024	37	TIMING DIAGRAM OF INR M INSTRUCTION

25-03-2024	38	DISCUSSION OF UNIT 2 & 3
26-03-2024	39	INTERFACING, MEMORY MAPPING AND I/O MAPPING
27-03-2024	40	INTERFACING EPROM AND RAM MEMORIES
29-03-2024	41	ADDRESS DECODING FOR I/O DEVICES

Sibaprasad panda.


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