

DISCIPLINE: Electrical & Electronics Engg.	SEMESTER: 4TH Semester	NAME OF THE TEACHING FACULTY: Mrs. Deepika Sarkar, Lecturer -II in ETC
SUBJECT: MPMC Lab(PR3)	NO OF DAYS/PER WEEK CLASSES ALLOTTED: 3	SEMESTER FROM DATE: 22.12.2025 TO DATE: 18.04.2026 NO OF WEEKS: 15

Week	Class Day	PRACTICAL Topics
1st	1st	Verification of the truth tables of TTL gates.
	2nd	Verification of the truth tables of TTL gates.
2nd	1st	Verify the NAND and NOR gates as universal logic gates.
	2nd	Verify the NAND and NOR gates as universal logic gates.
3rd	1st	Design and verification of the truth tables of Half and Full adder circuits
	2nd	Design and verification of the truth tables of Half and Full adder circuits
4 th	1 ST	Design and verification of the truth tables of Half and Full subtractor circuits
	2 ND	Design and verification of the truth tables of Half and Full subtractor circuits
5 th	1 ST	Verification of the truth table of the Multiplexer 74150.
	2 ND	Verification of the truth table of the De-Multiplexer 74154.
6 th	1 ST	Verification of the truth table of the De-Multiplexer 74154.
	2 ND	Design and test of an S-R flip-flop using NOR/NAND gates.
7 th	1 ST	Design and test of an S-R flip-flop using NOR/NAND gates.
	2 ND	Verify the truth table of a J-K flip-flop (7476).
8 th	1 ST	Verify the truth table of a J-K flip-flop (7476).
	2 ND	Verify the truth table of a D flip-flop (7474)
9 th	1 ST	Verify the truth table of a D flip-flop (7474)
	2 ND	Write a program using 8085 Microprocessor for Decimal, Hexadecimal addition and 14 subtraction of two Numbers
10 th	1 ST	Write a program using 8085 Microprocessor for Decimal, Hexadecimal addition and 14 subtraction of two Numbers
	2 ND	Write a program using 8085 Microprocessor for addition and subtraction of two BCD numbers
11 th	1 ST	Write a program using 8085 Microprocessor for addition and subtraction of two BCD numbers
	2 ND	Perform multiplication and division of two 8 bit numbers using 8085
12 th	1 ST	Perform multiplication and division of two 8 bit numbers using 8085
	2 ND	Write a program to arrange an array of data in ascending and descending order.
13 th	1st	Write a program to arrange an array of data in ascending and descending order.
	2 nd	REPEAT CLASS
14 th	1 ST	REPEAT CLASS
	2 ND	REPEAT CLASS
15 th	1st	REPEAT CLASS
	2nd	Repeat Class

Deepika Sarkar
Lecturer(S-II) 22.12.25

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H.O.D 22.12.25
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