

LESSON PLAN

SUB: PROGRAMMING FOR PROBLEM SOLVING LAB

BRANCH:- ELECTRICAL ENGG.

SEMESTER: 3rd

SESSION:2025-2026

NAME OF FACULTY: NIBEDITA HO



**GOVERNMENT POLYTECHNIC,
BHADRAK**

Hod, Electrical

Academic Coordinator

Principal
Govt. Polytechnic, Bhadrak

Discipline: Electrical Engg.	Semester: 3 rd	Name of the Teaching Faculty : Nibedita Ho
Subject: Programming for problem solving	Per week class allotted: 4hrs	Semester from date: 14.07.2025 to 15.11.2025 No. of Weeks:15
Week	Class Day	Theory
1 st	E1	To display our College name twenty times on screen.
	E2	To display our College name twenty times on screen.
2 nd	E1	To display and add all even numbers from 1-100.
	E2	To display and add all even numbers from 1-100.
3 rd	E1	To find smallest/largest number from array elements.
	E2	To find smallest/largest number from array elements.
4 th	E1	To sort array elements in ascending/descending order.
	E2	To sort array elements in ascending/descending order.
5 th	E1	To enter elements for 3X3 matrix and display them.
	E2	To enter elements for 3X3 matrix and display them.
6 th	E1	To calculate addition/subtraction of 2 dimensional matrix.
	E2	To calculate addition/subtraction of 2 dimensional matrix.

7 th	E1	To calculate multiplication of 2dimensional matrix.
	E2	To calculate multiplication of 2dimensional matrix.
8 th	E1	To demonstrate output of standard library functions Strlen(),strcpy(),strcat(),strcmp ().
	E2	To demonstrate output of standard library functions Strlen(),strcpy(),strcat(),strcmp ().
9 th	E1	To calculate area of circle using function.
	E2	To calculate area of circle using function.
10 th	E1	To calculate factorial of any given number using recursion.
	E2	To calculate factorial of any given number using recursion.
11 th	E1	Basics of MATLAB Programming, elementary features in a vector array,matrices
	E2	Basics of MATLAB Programming, elementary features in a vector array,matrices
12 th	E1	Eigen values and Eigen vectors, matrix operations, matrix operators, creating matrix arrangement
	E2	Eigen values and Eigen vectors, matrix operations, matrix operators, creating matrix arrangement

13 th	E1	Indexing array value, other operations ,mathematical operations on array, array types
	E2	Indexing array value, other operations ,mathematical operations on array, array types
14 th	E1	loops and execution of control,working with M-files
	E2	loops and execution of control,working with M-files
15 th	E1	Scripts and functions,plotting and programming output, examples.
	E2	Scripts and functions,plotting and programming output, examples.

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