

PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

LESSON PLAN

Subject: Programming for problem solving (PPS)

Subject code: ES – 105A

Session: 2022-23

Semester: II

Section : G and H

SN o	Topic	No. of Lec	CO	Planned Date	Actual Date	Teaching Methodology
1	Unit-1 Introduction , Overview of Computers	1	CO1	14/2/23		PPT
2	Computer Hardware – CPU , Keyboard , Printer , Mouse , etc	1		15/2/23		PPT , Board
3	Storage devices -	1		17/2/23		PPT
4	Intro to Programming languages , Assemblers	1		27/2/23		PPT, Board
5	Compiler , loader , linker etc	1		28/2/23		PPT , board
6	Problem analysis – Algrithms , flowcharts , etc	1		1/3/23		PPT , Video
7	Pseudocode , Intro to number system	1		3/3/23		PPT, Video
8	Conversion process – Binary , Hex , Octal	1		4/3/23		Board
9	Binary arithmetic – Add , Sub , etc	1		10/3/23		PPT
10	Signed , unsigned , Compliment	1		13/3/23		Board
11	Subtraction using 1's , 2's Compliment	1		14/3/23		PPT , Board
12	R's compliment , Gray codes	1		15/3/23		PPT , Board
13	Unit 2 Elements of C, Template – C program	1	CO2	20/3/23		PPT
14	Constant , Variable , data types	1		21/3/23		PPT , Board
15	Storage class , operators	1		22/3/23		Board
16	Operator, associatively & precedence	1		23/3/23		Board
17	Revision of unit 1 & operators	1		24/3/23		Video , Board
18	Intro to decision – control statements, If	1		31/3/23		PPT
19	Switch case , loop statement , while etc,	1		3 / 4/23		Board
20	Do while , for , continue , break , goto	1		4/4/23		Board
21	Console I/O – formatted & unformatted	1		5/4/23		PPT
22	Formatted I/O function	1		7/4/23		PPT
23	Unformatted I/O function			10/4/23		
24	Unit 3 Introduction , array	1	CO3	11/4/23		PPT
25	Array initialization – compile / Run	1		12/4/23		PPT
26	Multidimensional array	1		14/4/23		Board
27	C function, function declaration	1		17/4/23		Board
28	Working of c function	1		18/4/23		PPT
29	String array , string function	1		19/4/23		Board
30	String function	1		21/4/23		PPT , Board
31	Palindrome , different programs	1		24/4/23		PPT , Board
32	Program examples of array	1		25/4/23		PPT
33	Passing array to functions, recursion	1		26/5/23		PPT , Board
34	Returning array from function	1		1/5/23		PPT , Board

35	Programming examples on arrays etc.	1		2/5/23		PPT
36	Revision of decision & control statements	1		3/5/23		PPT , Board
37	Revision of array & function	1		5/5/23		PPT , Board
38	Discussion on sessional 2	1		12/5/23		PPT , Board
39	Unit 4 Intro to Pointers, Structures, Files	1		15/5/23		PPT , Board
40	Structure definition, declaration structure variable	1		16/5/23		PPT , Board
41	Accessing structure members, structure initialization	1		17/5/23		PPT , Board
42	Operation on members, passing structure to functions	1		19/5/23		
43	Array of structures , unions	1		22/5/23		
44	Structure within structure , union of structure	1		23/5/23		
45	Intro to file management	1	CO4	24/5/23		
46	Defining and opening a file , reading	1		26/5/23		
47	Closing a file , country characters , tabs	1		29/5/23		
48	I/O operation on file record I/O in file	1		30/5/23		
49	Error handling , database management	1		31/5/23		
50	Pointers , accessing the variable address	1		2/6/23		
51	Declaring pointer , initialization of pointers	1		5/6/23		
52	Pointer and arrays , character strings	1		6/6/23		
53	Array of pointers , pointers to functions	1		7/6/23		
54	Revision of unit 4	1		9/6/23		