

PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY, PANIPAT

Department of Computer Science & Engineering

LESSON PLAN

Name : Vikram Verma

Subject: Programming for problem solving (PPS)

Session: 2023-24 (January – June 2024)

Subject code: ES – 105A

Semester: II

SNo	Lecture No.	Topic	CO	Planned Date	Teaching Methodology
1	L1	Unit-1 Introduction, Overview of Computers	CO1	12/2/24	PPT
2	L2	Computer Hardware – CPU, Keyboard, Printer , Mouse , etc		14/2/24	PPT, Board
3	L3	Storage devices -		15/2/24	PPT
4	L4	Language Translator, Assemblers		16/2/24	PPT, Board
5	L5	Intro to number system		19/2/24	PPT , board
6	L6	Conversion process		21/2/24	PPT ,Video
7	L7	Signed / Compliment form		22/2/24	PPT, Video
8	L8	Binary arithmetic – Add, Sub , etc		23/2/24	Board
9	L9	Subtraction using Compliment , Base n		26/2/24	PPT
10	L10	Revision unit 1		28/2/24	Board
11	L11	Unit 2 Elements of C, Template – C program	CO2	1/3/24	PPT , Board
12	L12	Constant, Variable, data types		4/3/24	PPT , Board
13	L13	Data type , Storage class,		13/3/24	PPT
14	L14	Storage Class		14/3/24	PPT , Board
15	L15	Arithmetic Operator,		15/3/24	Board
16	L16	Revision of unit 1 & operators		18/3/24	Board
17	L17	Surprise Test		20/3/24	
18	L18	Arithmetic Operator - Precedence		21/3/24	Video , Board
19	L19	Decesion making Do while, for , continue		22/3/24	PPT
20	L20	, break , goto, Jump		27/3/24	Board
21	L21	Formatted I/o Unformatted I/O function, enum		3/4/24	Board
22	L22	Revision unit 2		4/4/24	PPT
23	L23	Unit 3 Introduction, array	CO3	5/4/24	PPT
24	L24	Array initialization – compile / Run		8/4/24	PPT
25	L25	String , String functions		10/4/24	PPT
26	L26	String functions		11/4/24	Board
27	L27	Discussion on sessional test 1		12/4/24	Board
28	L28	String Program , Palindrome		15/4/24	PPT
29	L29	Function		18/4/24	Board

30	L30	Parameter passing	CO3	19/4/24	PPT , Board
31	L31	Function programs		22/4/24	PPT , Board
32	L32	Surprise Objective test		24/4/24	PPT
33	L33	Revision of Unit 3		26/4/24	
34	L34	Unit 4 Structures definition, declaration	CO4	29/4/24	PPT , Board
35	L35	Operation on members, passing structure to functions		1/5/24	PPT , Board
36	L36	Union , Intro to file management		2/5/24	PPT , Board
37	L37	File operations - I/O operation		3/5/24	PPT , Board
38	L38	Pointer, Declaring, initialization		15/5/24	Video , Board
39	L39	Pointer to array; Array of ptr		16/5/24	PPT , Board
40	L40	Array of pointers, pointers to functions		17/5/24	PPT , Board
41	L41	Function pointer, Operation on pointers		20/5/24	PPT , Board
42	L42	Dynamic memory allocation		22/5/24	PPT , Board
43	L43	Dynamic memory allocation		23/5/24	PPT , Board
44	L44	Revision of unit 4		24/5/24	PPT , Board

*Quizzes on Saturdays