

PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
PANIPAT
DEPARTMENT OF INFORMATION TECHNOLOGY
LESSON PLAN

Name: - ASHIMA ARYA

Subject Name: - Programming for
 Problem Solving

Branch/Semester: -1st Sem.(Session 2021-22)

Code:-ES-105A

S.No	Lecture No.	Description of Topic	Lecture Plan Date	Methodology	CO
1	L1	Unit 1:- Overview of Computers: Block diagram and its description	02-11-2021	PPT	CO1
2	L2	Overview of Computers: Block diagram and its description	08-11-2021	PPT	
3	L3	Number systems	09-11-2021	Board work	
4	L4	Number systems	10-11-2021	Board Work	
5	L 5	Computer Hardware: Keyboard & Mouse	11-11-2021	PPT	
6	L 6	Output Devices	12-11-2021	PPT	
7	L 7	Storage Devices	15-11-2021	PPT	
8	L 8	Storage Devices	16-11-2021	PPT	
9	L9	Printer	17-11-2021	Flip Learning	
10	L 10	Introduction to programming language	18-11-2021	PPT	
11	L 11	Different levels of PL: High Level language, Assembly language, Machine language	22-11-2021	PPT	
12	L 12	Introduction to Compiler, Interpreter, Debugger, Linker, Loader, Assembler.	29-11-2021	PPT	

13	L 13	SOT 1	30-11-2021	Class test		
14	L 14	Problem Analysis: Problem solving techniques, Algorithms and Flowchart representation.	01-12-2021	Board work		
15	L 15	UNIT-II Overview of C: Elements of C, Data types	02-12-2021	Board work	CO2	
16	L16	Input/output: Unformatted & formatted I/O function in C.	03-12-2021	Board work		
17	L 17	Operators: Arithmetic, relational, logical, bitwise, unary	06-12-2021	PPT		
18	L18	Assignment and conditional operators, precedence & associativity of operators.	08-12-2021	PPT		
19	L 19	Control statements: if statement	09-12-2021	Board work		
20	L 20	Switch Case	10-12-2021	Board work		
21	L 21	Repetition: for, while, and do-while loop	13-12-2021	Board work		
22	L 22	while, and do-while loop	14-12-2021	Board work		
23	L 23	Storage Classes	15-12-2021	PPT		
24	L 24	Storage Classes	16-12-2021	PPT		
25	L 25	break, continue, goto statements.	17-12-2021	Board work		
26		Sessional-1	18-12-2021 to 21-12-2021			CO1 and CO2
27	L 26	Sessional discussion	22-12-2021	Class work		
28	L 27	UNIT – III Arrays: Definition, types, initialization,	23-12-2021	Board work		CO3
29	L 28	processing an array	24-12-2021	Board work		

30	L 29	processing an array	27-12-2021	live demo	
31	L 30	2 D arrays	28-12-2021	Board work	
32	L 31	2 D arrays	29-12-2021	live demo	
33	L 32	Programs on I D arrays	30-12-2021	Board work	
34	L 33	Programs on 2 D arrays	31-12-2021	Board work	
35	L 34	Quiz activity in class For Array	03-01-2022	Rapid Fire activity	
36	L 35	Functions: Definition, prototype	04-01-2022	Board work	
37	L 36	parameters passing techniques	05-01-2022	live demo	
38	L 37	Recursion, built-in functions	06-01-2022	live demo	
39	L 38	Passing arrays to functions, returning arrays from functions.	06-01-2022	live demo	
40	L 39	Programs on functions	07-01-2022	Discussion and board work	
41	L 40	Revision for function	10-01-2022	Flip Learning	
42	L 41	String handling	11-01-2022	live demo	
43	L 42	String handling	12-01-2022	live demo	
44	L 43	Programming examples of Strings	13-01-2022	Practice problems	
45	L 44	Flip Learning for progrmas	14-01-2011	Flip Learning	
46	L 45	Unit 4 Pointers	17-01-2022	Board work	CO4
47	L 46	operations on pointers	18-01-2022	Board work	

48	L 47	Call by value method and call by reference method	19-01-2022	live demo	
49	L 48	Programs on Pointers	20-01-2022	live demo	
50	L 49	SOT 2	21-01-2022	Google form	
51		Sessional-2	22-01-2022 - 25-01-2022		CO2 ,CO3
52	L 50	Dynamic memory allocation	27-01-2022	Board work	CO4
53	L 51	dynamic memory allocation	28-01-2022	Online live demo	
54	L 52	pointers and functions and strings	31-01-2022	Board work	
55	L 53	pointers and functions and strings	01-02-2022	live demo	
56	L 54	Revision of topics covered	02-02-2022	Practice Problems	
57	L 55	Structure: Definition, processing	03-02-2022	live demo	
58	L 56	Union: Definition, processing	04-02-2022	Live demo	
59	L 57	Programs on Structure and union	07-02-2022	Discussions	
60	L 58	Revision on structure and union	08-02-2022	Practice problems	
61	L 59	passing structures to functions	09-02-2022	live demo	
62	L 60	Returning structures from function	10-02-2022	live demo	
63	L 61	Array of Structures	11-02-2022	Board work	
64	L 62	programming example on Array of Structures	14-02-2022	Discussion	
65	L 63	Data files: Opening and closing a file	15-02-2022	live demo	

66	L 64	I/O operations on files	16-02-2022	Board work	
67	L 65	I/O operations on files	17-02-2022	live demo	
68	L 66	Programs on file handling	18-02-2022	Discussions with student	
69	L 67	Programs on file handling	21-02-2022	Discussion with student	
70	L 68	Revision of topics covered	22-02-2022	Flip Learning	
71	L 69	SOT-3	23-02-2022	Google form	
72		Sessional-3	24-02-2022 - 26-02-2022		CO3,CO4