

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	21-10-13	Problem Solving: Definition of problem, frameworks for Problem Solving.	1			
2	21-10-13	Classification of problems, Algorithm.	"			
3	23-10-13	Examples of algorithm, Pseudo code - definition.	"			
		Properties, examples.	"			
4	24-10-13	Flowchart - Introduction, Introduction to RAPTOR tool.	"			
5	28-10-13	Flowchart examples for simple computational problems.	"			
6	28-10-13	Program development steps	"			
7	30-10-13	Computer languages - machine, symbolic languages.	"			
		High level languages.	"			
8	31-10-13	Creating and Running Programs: writing,	"			
9	31-10-13	editing, Compiling, linking and executing.	"			
		C Fundamentals, character set, C tokens,	"			
10	1-11-13	Datatypes, constants, variables.	"			
11	4-11-13	C operators: Arithmetic, unary, Relational and	"			
12	4-11-13	logical, Assignment and conditional operators.	"			
13	6-11-13	library functions, bitwise operations and boolean logic	"			
14	7-11-13	Control structures: if statement, example program	2			
		if..else statement, example program, else if ladder.	"			
15	8-11-13	Example program, nested if, example program.	"			
		Iterative loops: while loop and its example program.	"			

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16	11-11-13	do.. while loop and its example program,	2			
		for loop and its example program,	"			
		event and counter controll -ed loops and example	"			
17	11-11-13	loop applications.	"			
18	13-11-13	break statement, example program, Continue statement	"			
		example program, goto statement, example program	"			
19	13-11-13	Switch statement, example program.	"			
		nested switch statement example program.	"			
20	14-11-13	Arrays : definition, syntax, declaration.	"			
21	15-11-13	Storing and accessing elements from an array.	"			
		String handling function strcpy, strcmp, strlen, strrev, and so on.	"			
22	16-11-13	example program for every string handling function.	"			
23	18-11-13	String manipulations. example program,	"			
24	19-11-13	1-Dimensional arrays, example program, Bubble sort	"			
25	20-11-13	2-Dimensional arrays, example program, matrix	"			
26	21-11-13	multiplication program. character array. examples.	"			
27	21-11-13	multidimensional array.	"			
28	22-11-13	Functions - modular pro- gramming, basics of	3			
29,30	23-11-13	functions, syntax, param- eter passing: example program.	"			
31	25-11-13	scope rules, block structure user defined functions.	"			



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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
32	26.11.13	recursive functions. example program.	3			
33	26.11.13	header files, library functions.	"			
34	27.11.13	Passing 1-Dimensional array and example program	"			
35	28.11.13	Passing 2-Dimensional array and example program	"			
36	29.11.13	Parameter passing mecha- -nism (Pass by value)	"			
37	30.11.13	Storage classes: auto, register, static, extern.	"			
38	2.12.13	with an example program.	"			
39	2.12.13	derived datatypes: structure declaration, definition,	4			
40	3.12.13	initialization. accessing structures with an	"			
41	4.12.13	example program.	"			
42,43	5.12.13	nested structure with an example program.	"			
44,45	6.12.13	Arrays of structure with an example program.	"			
46	7.12.13	pointers to structure with an example program.	"			
47,48	9.12.13	Self referential structure with an example program.	"			
49	9.12.13	unions, typedef, bitfields with an example program.	"			
50,51	10.12.13	pointer definitions, concepts	"			
52	11.12.13	initialization of pointer variables, example program	"			
53	12.12.13	pointers and function arguments with an example.	"			
54,55	13.12.13	passing by address with	"			
56	14.12.13	an example program.	"			

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