

GOVT. POLYTECHNIC COLLEGE, DINDORI

DEPT. OF COMPUTER SCIENCE

LESSON PLAN (2017-18)

SUBJECT: Programming in C

SEM: 2nd

Faculty Name: Ravindra Kumar

S.No.	Unit	Topic to be covered	Expected Date	Actual Date	Remark
1	I st	Algorithms, Flowcharts, structure programming Concepts	10th Jan 2018		
2	I st	History and features of 'C'	11th Jan 2018		
3	I st	C Programme structure, Pre-processor directives	12th Jan 2018		
4	I st	Character set and data types	13th Jan 2018		
5	I st	Character set of 'C', identifiers, keywords, variables	15th Jan 2018		
6	I st	Constants, data types, int, float, double, char, Qualifiers, long, short	16th Jan 2018		
7	I st	unsigned and signed data type conversion, Escape sequences	17th Jan 2018		
8	I st	Comments Operators and Expressions	18th Jan 2018		
9	I st	- Arithmetic, Relational, Logical, Assignment operators	19th Jan 2018		
10	I st	unary & ternary operators, hierarchy of operators.	20th Jan 2018		
11	I st	Input and Output statements, Printf, Scanf, getchar, putchar	22nd Jan 2018		
12	I st	getch, putch, Conversion	23rd Jan 2018		

		specifiers in format control string			
13	2 nd	if statement, if- else, nested if	25th Jan 2018		
14	2 nd	use of logical operators and Compound Relational Tests	27th Jan 2018		
15	2 nd	goto statement, switch case statement	29th Jan 2018		
16	2 nd	syntax and use of `for' statement, while statement	30th Jan 2018		
17	2 nd	Do-while' statement, `break-continue' statement	31st Jan 2018		
18	2 nd	nested looping	1st Feb 2018		
19	3 rd	Concept of one dimensional and Multi-dimensional array	2nd Feb 2018		
20	3 rd	array declaration, Array initialisation	3rd Feb 2018		
21	3 rd	operations on one and two-dimensional arrays	5th Feb 2018		
22	3 rd	String Manipulations, Strings, puts, string operations	6th Feb 2018		
23	4 th	function, concatenation, comparison,	7th Feb 2018		
24	4 th	length of a string	8th Feb 2018		
25	4 th	Library and User-Defined Functions	9th Feb 2018		
26	4 th	Library functions (ceil, floor, exp, log,	10th Feb 2018		
27	4 th	pow, fmod, abs, fabs, rand, srand, toupper, tolower, toascii etc	12th Feb 2018		
28	4 th	user-defined Functions, Function declaration	13th Feb 2018		
29	4 th	Function prototype, local and global variable	15th Feb 2018		
30	4 th	Parameter passing mechanisms, recursion	16th Feb 2018		
31	4 th	Storage classes –static auto, extern, register	17th Feb 2018		
32	4 th	simples and Conditional Macros and Its expansions	19th Feb 2018		
33	5 th	Pointers	20th Feb 2018		

34	5 th	Definition, Types, Declaration, & and * operator	21th Feb 2018		
35	5 th	pointer expression, pointer arithmetic, pointer to pointer	22th Feb 2018		
36	5 th	array of pointer, pointer to function	23th Feb 2018		
37	5 th	Dynamic memory management functions- malloc, calloc and free	24th Feb 2018		
38	6 th	Structure:-Definition, Declaration, initializing structure	26th Feb 2018		
39	6 th	membership operator, accessi structure elements	27th Feb 2018		
40	6 th	structure within structure , array of structure	28th Feb 2018		
41	6 th	, pointer to structure.	1st March 2018		
42	6 th	Union:-Definition, Declaration and Implementations	3rd March 2018		
43	6 th	Enumerated Data Type:- Definition, Declaration and Type Def	5th March 2018		
44	6 th	Command line argument	6th March 2018		
45	7 th	File system basics, Opening & closing file	7th March 2018		
46	7 th	Reading & writing in file	8th March 2018		
47	7 th	File opening modes, String I/O in files.	9th March 2018		