			<u>Governme</u> <u>Par</u>	ent Polyt Ichkula	technic	
•••	0.0		Lesson	<u>Plan</u>		
	of the Facult	ty	Ravinder Sheoran	••		
			Computer Engine			
			i 0	mputer Engineering		
				Third		
Subject			Programming in C			
	n Plan Dura		15 weeks			
**Wor	k load (Lect		l) per week(in hours): l	Lectures-03	, Practicals -06 PRATICALS	
Wee k	Lecture day	THEORY Topic (Including assignment / test)		Practical Day	Торіс	
1st	1	Algorithm ar	Algorithm and Programming			
ļ	1	Developmen	t: Introduction	1st	Programming exercises on executing and editing a C program	
	2	-	elopment of a program Algorithm development			
	3	, Programme	Debugging	2n d	Programming exercises on executing and editing a C program	
2nd	1	practical	d Flowchart writing for	1st	Programming exercises on executing and editing a C program	
	2	Algorithm and practical	d Flowchart writing for	151		
-	3	Practice of err corrections in examples.	or detection and	2n d	Programming exercises on executing and editing a C program	
3rd	1	Keywords, assign statements I/O statements:Printf and Scanf		1st	Programming exercises on executing and editing a C program	
ŀ	2 3		ariables and data types		Programming exercises on defining	
		5 5 F 5 F		2n d	variables and assigning values to variables	
4th	1 2	Unformatted and Formatted IOS Data Type Casting		1st	Programming exercises on arithmetic and relational operators	
ŀ	3		n writing and practice		Programming exercises on arithmetic	
		Revision of U			expressions and their evaluation	
5th	1 2		ures :Introduction and use king with IF – statement d Nested IF	1st	Programming exercises on formatting input/output using printf and scanf and their return type values	
Ī	3		statement with examples	2nd	Programming exercises using if statement, if Else	
6th	1	While and do	-while, for loop		Programming exercises on do – while, statement.	
	2	Loop Practice	and revision	1st		
	3	-	ue statements	2nd	Programming exercises on switch statement	
7th	1	Revision of U	nit III	1st	Programming exercises on for – statement	
	2	Practice of Control structures using examples.				
	3	Class Test of		2nd	Programming exercises on do – while, statement and for statement	
8th	1	Address operator and pointers, Declaring and initializing pointers		1st	Simple programs using pointers	
ļ	2	Single pointe	er			
0.1	3	Revision of U		2nd	Simple programs using pointers	
9th	1	Functions:Introduction to functions Global and Local Variables		1st	Simple programs using functions	
	2	functions	claration, Standard			
	3	Parameters and	d Parameter Passing	2nd	Simple programs using functions	
10th	1	Revision of functions and Parameter Passing		1st	Programs on one-dimensional array. Programs on two-dimensional array.	
	2		rings:Introduction to Declaration, Length			

	3	Single and Multidimensional Array, Arrays of characters	2nd	Programs on one-dimensional array. Programs on two-dimensional array.
11th	1	array and functions		(i) Programs for putting two strings together.
	2	Introduction of Strings: String declaration and definition, String Related function i.e.	- 1st	(ii) Programs for comparing two strings
	3	Passing an array to function	2nd	Programs on functions using array as
		Programming examples of array passing as argument to a function		parameters
12th	1	Revision of arrays and functions with examples	1st	Programs on functions using array as parameters
	2 3	Pointers to an array and strings Pointers to an array and strings detailed	2nd	Programs on functions ,Strings and parameter passing by reference
13th	1	Structures and Unions : Introduction ,Declaration of structures	1st	Simple programs using structures
	2	Accessing structure members		
	3	Structure Initialization	2nd	Simple programs using structures
14th	1	Unions: Introduction	1st	Simple programs using union
	2	Difference between Structures and unions		
	3	Program examples of structures and unions		Simple programs using union
15th	1	Revision of Pointers	1st	Programming exercises on do – while, statement and for statement
	2	Revision of Loops and Control Structures.		
	3	Class Test of Loops, Pointers and Control Structures	2nd	Programming exercises on do – while, statement and for statement