JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : BCA	**Session :2022-2025**	**Year : First**	**Sem: First**
Course: Fundamentals of Computer Programming			
Name of the Faculty: SHASHANK SAWAN	**Commencement Date:19/09/2022**		**Date of Closure:30/12/2022**

Lecture No.	Week	Unit	Topics to be Covered	Blended Mode			Date	Duration	Tracking of Lectures	Related Course Outcome	Signature of Faculty	Signature of HoD	Remark any)
				ICT Tool/Platform/ LMS	Resources	Activity							
1	1	1	History of C, Sample programming										
2		1	Basic structure and execution of C Problem Solving: Problem Identification, Analysis										
3		1	flowcharts, Decision Tables, Pseudo codes and algorithms, Program Coding										
4	2	1	Program Testing and Execution. Steps for problem solving, computer as a tool for problem solving										
5		1	Algorithm and its features.										
6		1	Flowcharts and their design.										

7	3	2	Elementary data types, variables, constants and identifiers. Integer, character floating point and string constants.										
8		2	Variable declarations. Syntax and semantics.										
9		2	Reserved word. Initialization of variable during declarations Constant data types.										
10	4	2	Expression in C, precedence and associativity of C operators										
11		2	unary, binary and ternary operators. C arithmetic operators, assignment operators										
12		2	relational operators, logical operators and bit – wise operators. Side effects of operators.										
13	5	2	Expression statement. Conditional Statement-if										
14		2	if-else, switch Iterative Statement-while, dowhile,for Other Statement–break, continue,										
15		2	return. Array and its application, Strings										

16	6	3	Function: function declaration.										
17		3	Calling a function										
18		3	Parameters call by value										
19	7	3	Call by reference and its absence in C.										
20		3	Recursion and how it works.										
21		3	Pointers, definition										
22	8	3	declaration, and initialization, accessing a variable through pointers.										
23		4	Structure – Declaration and use										
24		4	Structure member resolution and structure pointer member resolution operators										
25	9	4	Programs to show the use of structure, Union – Declaration and use.										
26		4	Standard C library.										
27		4	Files in C opening, closing										
28	10	4	reading and writing of files.										
29		4	Seeking forward and backward.										

30		4	Simple examples of file handling programs.										
			Revision										
			Revision										