JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : BCA	**Session : 2021-2024**	**Year : IInd**	**Sem: IIIrd**
Course: Object Oriented Programming with C++ Lab			
Name of the Faculty: Kumar Amrendra	**Commencement Date: 29.08.2022**	**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	Remarks (if any)
				ICT Tool/Platform/ LMS	Resources	Activity							
1	Week 1		1. Simple C++ Programs to Implement Various Control Structures. a. If statement b. If – else statement c. Switch case statement										
2	Week 2		2. Programs to Implement a. For loop b. While loop c. do while loop										
3	Week 3		3. Programs to implement the concept of Class.										
4	Week 4		4. Programs to Understand Structure. 5. Programs to Understand Union.										
5	Week 5		6. Programs to Implement Recursion. 7. Programs to Implement Inline Functions.										
6	Week 6		8. Programs to Understand Different Function Call Mechanism. a. Call by Value b. Call by Reference										
7	Week 7		9. Programs to Implement Constructors. 10. Programs to Implement Destructors.										
8	Week 8		11. Programs to Understand a. Friend Function b. Friend class										
9	Week 9		12. Programs to Implement Single inheritance. 13. Programs to Implement Multilevel inheritance										

10	Week 10		14. Programs to Implement Multiple inheritance 15. Programs to Implement Hierarchical inheritance										
11	Week 11		16. Programs to Understand Pointer Arithmetic.										
12	Week 12		17. Programs to Implement a. Function Overriding b. Function Overloading										
13	Week 13		18. Program to work with file a. Open & Close a file b. Use of get( ), put( ), getline( ), write()										
14	Week 14		Revision										
15	Week 15		Revision										