JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe :B.TECH (CSE)	Session :2021-2025	Year : Second	Sem:Three
Course:Data Structure & Algorithms Lab			
Name of the Faculty: SHASHANK SAWAN	Commencement Date:29/08/2022		Date of Closure:30/12/2022

Lecture No.	Week	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	1	To read and display n numbers using an array To find transpose a 3 X 3 matrix										
2	2	To insert a number at a given location in an array To delete a number from a given location in an array										
3	3	To create a linked list and perform insertions a) At beginning b) At end c) Before a given node d) After a given node To create a linked list and perform deletions a) From beginning b) From end c) At a given node d) After a given node										

4	4	To create a circular linked list and perform insertion at the beginning of list To create a circular linked list and perform insertion at the end of list										
5	5	To perform Push, Pop and Peep operations on a stack										
6	6	To implement a linear queue										
7	7	To implement a priority queue										
8	8	To search an element in an array using linear search technique										
9	9	To search an element in an array using binary search technique										
10	10	To sort an array using insertion sort algorithm										
11	11	To sort an array using bubble sort algorithm										
12	12	To implement quick sort algorithm										