JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : BCA	Session :2020-2023	Year : Third	Sem:Fifth
Course:Data Mining and Warehousing			
Name of the Faculty: SHASHANK SAWAN	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	1	1	Introduction to Data Warehousing – Batch,OLTP, DSS Applications.										
2		1	Different natures of OLTP and DW databases.										
3		1	Commercial Importance of DW.										
4	2	1	Data Marts										
5		2	Basic Elements of Data Warehouse										
6		2	Source System										
7	3	2	Data Staging Area										
8		2	Data Staging Area contd.										

9		2	Presentation Server Business Dimensional Life Cycle Dimensional Modeling										
10	4	2	Multidimensional Data Model										
11		2	Data Cubes										
12		2	OLAP DW Bus Architecture										
13	5	3	Conformed Dimensions Star Schema and Snowflake Schema Normalization VS Dimensional Modeling Slicing and Dicing										
14		3	Drilling, Drill-up										
15		3	Drill-down, Drill-within										
16	6	3	Drill-across. Bitmap Index Aggregation Metadata Design Issues										
17		3	Partitioning										
18		3	Size Estimation Example Applications: Retail										
19	7	3	CRM										
20		3	Telecom										
21		3	Ecommerce										

22	8	3	Insurance End-user applications										
23		4	KDD and Data Mining SQL and Data Mining Association Rules Bayesian Network Approach Decision Trees Neural Networks										
24		4	KDD and Data Mining SQL and Data Mining Association Rules Bayesian Network Approach Decision Trees Neural Networks contd.										
25	9	4	Genetic Algorithms										
26		4	Genetic Algorithms contd.										
27		4	Rough Sets										
28	10	4	Rough Sets contd.										
29		4	SVM Temporal & Spatial Data Mining Sequence Mining Text Mining Web Mining										
30		4	SVM Temporal & Spatial Data Mining Sequence Mining Text Mining Web Mining contd.										
			Revision										
			Revision										