

	ITER, SIKSHA 'O' ANUSANDHAN (Deemed to be University)		LESSON PLAN
Programme	B.Tech	Academic Year	2022-23
Department	Computer Science & Engineering	Semester	VII
Instructor	Dr Rasmita Dash	Grading Pattern	1
Course Code	Course Name		
CS4052	Data Mining		
Date / Lecture	Lessons/Topics Covered	Book Content	Mapping with COs
L-1	Introduce the grading pattern, credit, mark division, assignments, quizzes, classes and motivation behind the course, Course content Course Outcomes, Programme Outcomes, Departmental specific program specific outcomes.	-	All COs
L-2	Why Data mining? Motivation towards the information age, Data mining as the evolution of information technology, What is Data mining?	Ch-1[1.1-1.2]	CO1
L-3	What kind of data can be mined? What kinds of patterns can be mined?, Which techniques are used?, What kind of applications are targeted?, Issues in Data mining.	Ch-1[1.3-1.7]	CO1
PS1	Assignment-1		CO1
L-4	Attribute type,	Ch-2[2.1]	CO1
L-5	Basic statistical description of data	Ch-2[2.2]	CO1
L-6	Measuring data similarity and dissimilarity	Ch-2[2.4]	CO1
PS-2	Assignment-1		CO1
L-7	Measuring data similarity and dissimilarity	Ch-2[2.4]	CO1
L-8	Data Preprocessing, Data cleaning,	Ch-3[3.1,3.2]	CO2
L-9	Data cleaning (contd...)	Ch-3[3.1,3.2]	CO2
PS-3	Assignment-2		CO2
L-10	Data Integration	Ch-3[3.3]	CO2
L-11	Data Integration (contd...)	Ch-3[3.3]	CO2
L-12	Data Reduction	Ch-3[3.4]	CO2
PS-4	Assignment-2		CO2
L13	Data Reduction (contd...)	Ch-3[3.4]	CO2
L14	Data transformation and discretization	Ch-3[3.5]	CO2
L15	Data transformation and discretization (contd...)	Ch-3[3.5]	CO2
Ps-5	Assignment-2		CO2
L16	Basics of Data Warehouse	Ch-4[4.1]	CO3
L17	Basics of Data Warehouse (contd...)	Ch-4[4.1]	CO3
L18	Data Warehouse Modeling: Data Cube and OLAP	Ch-4[4.2]	CO3
PS-6	Assignment-3		CO3
L19	Data Warehouse Modeling: Data Cube and OLAP (contd...)	Ch-4[4.2]	CO3
L20	Basics Concepts	Ch-6[6.1]	

L21	Basics Concepts	Ch-6[6.1]	
PS-7	Assignment-3		
L22	Frequent Itemset Mining Methods – Apriori Algorithm	Ch-6[6.2]	
L23	Frequent Itemset Mining Methods - Apriori Algorithm	Ch-6[6.2]	
L24	Frequent Itemset Mining Methods - Improving the Efficiency of Apriori	Ch-6[6.2]	
PS-8	Assignment-4		
L25	Frequent Itemset Mining Methods – FP Growth Algorithm	Ch-6[6.2]	
L26	Which Patterns Are Interesting?	Ch-6[6.3]	
L27	Which Patterns Are Interesting?	Ch-6[6.3]	