O.P.Code: (23CS0534)SS

R23/SS

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

B.Tech.III Year I Semester Regular Examinations December - 2025

DATA WAREHOUSING & DATA MINING

-		DATA WAREHOUSING & DATA MINING	*	12	
7D:	3.1	(Computer Science & Engineering)			4.3
1 ime	ا د	Hours	Max. Ma	rks: 7	0.
	4	PART-A	. SI		
.1		(Answer all the Questions $10 \times 2 = 20$ Marks)		. 1	
51	_	- Third Date II all offices.	CO	1 L1	2M
4	b a	Princes of data warehouse development	CO	1 L1	2M
	C	Total Colo.	CO	2 L1	2M
	d	J	CO	2 L1	2M
	e	and the for matter to vot mining.	CO.	3 L1	2M
1 1	f	the second for a second	CO.	3 L1	2M
	g h		CO		2M
v	i i	and the state of outlier dottotion	CO		2M
8° 2	÷	State any two challenges in Auto Imports dataset.	CO		2M
	J	List two clustering evaluation measures	COS	5 L1	2M
	- 44	PART-B			
		(Answer all Five Units $5 \times 10 = 50$ Marks)			
2	ya ji	UNIT-I			
4	a	Illustrate a simple architecture of a data warehouse and explain	its CO1	L3	5M
	h	components.			
F 31	U	Compare MOLAP, ROLAP, and HOLAP based on performance a storage.	nd CO1	L2	5M
			4 .		
3	a	Explain hierarchical layels in dimension with			
	b	Explain hierarchical levels in dimensions with examples. Explain the characteristics of OLAP systems.	CO1		5M
			CO ₁	L2	5M
4		Explain the importance C.1.			
1 7	a b	Explain the importance of data preprocessing.	CO ₂	L4	5M
		Describe data reduction techniques.	CO ₂	L2	5M
5	9	OR Differentiate similarity/dissimilarity and in C		. 1	
55 U	h	Differentiate similarity/dissimilarity metrics for clustering tasks.	CO2	L4	5M
		Analyze the challenges and issues in data mining system design.	CO2	L2	5 M
		UNIT-III	.5. 15.		
6		Explain constraint-based pattern generation.	CO ₃	L3	5M
	b	Compare strong and weak constraints.	CO3	L2	5M
7		OR	1		
8 0, 8	a b	resident of abootium of characteristic with challings.	CO3	L2	6M
21	U	Discuss rule generation and rule selection.	CO ₃	L3	4M
0		UNIT-IV			
8	a	Discuss the strengths and limitations of naïve Bayes classification.	CO4	L3	6M
	D	Explain the working of SVM with a neat diagram.	CO4	L2	4M
0		OR			
9		Discuss data distribution—based outlier detection.	CO4	L4	5M
	D	Explain k-means clustering with an example.	CO4	L3	5M.
		UNIT-V		×	
10	a	Compare the classes of Breast Cancer dataset.	CO5	. L3	5M
	b i	Discuss preprocessing and filters in WEKA.		L2	5M
11		OR	9	- X	1
11	a	Compare different classifiers for high-dimensional datasets.	CO5	. L4	5M
	b A	Analyze Apriori results using support and confidence thresholds.		L2	5M
		*** END ***	41, X		