INSTITUTE OF AERONAUTICAL ENGINEERING

ARE

(Autonomous) Dundigal, Hyderabad – 500043

## **COMPUTER SCIENCE AND ENGINEERING**

## List of Laboratory Experiments

	DATA WAREHOUSING AND DATA MINING LABORATORY								
Course Code		Category	Hours / Week			Credits	Maximum Marks		
ACSB1	5	Com	L	Т	Р	С	CIA	SEE	Total
ACSBI	.5	Core	0	0	2	1	30	70	100
Contact Clas	Classes: Nil Tutorial Classes: Nil Practical Classes: 36 Total Class		otal Classes	:36					
Branch: (	Branch: CSE Semester: V Academic Year: 2021-22 Regul				egulation: l	R18			
on data and d and attribute s Course object The students 1. The explo 2. The demo 3. The analy Course outcor After success CO1 Relate I fundam CO2 Select a CO3 Apply CO4 Choose	ata minin selection ives: will try t oration o onstration visis on da nes: ful comp cnowled entals an oppropria Apriori a classific		ons and such a tudent ses (K nalitie mique s on tr corithm	d neede as classi meters. s will b DD) pr es. s on rea ansaction n for bu	data, a d prepr ificatio e able r rocess v al time on data iilding	rocessing. n, clusteri to: with the h data for u a classific	n mining, c ng, associa elp of data sage of dat ent pattern ation or pr	ation. warehouse a mining al mining. ediction mo	n, clustering
CO6 Examin	e data m	nining algorithms for s			-				СО
WEEK NO	EXPERIMENT NAME PREPROCESSING								C01
			ds dat	aset str	ident a	nd labor i	1 weka		001
WEEK – II	Simulate preprocessing methods dataset student and labor in weka ASSOCIATION RULE								<b>CO3</b>
	1. Simu algor 2. Simu in we	llate association rule p rithm in weka. late Association rule p eka.	rocess						
WEEK – III	Simula	<b>FICATION RULE BY</b> te of classification r m in weka.		ocess	on dat	aset stude	ent. arff u	sing j48	CO2
WEEK – IV	CLASS Demons	<b>IFICATION RULE BY</b> stration of classification		proces	s on da	taset emp	loyee. arff	using	CO2
WEEK – V	<ul> <li>j48 algorithm.</li> <li>V CLASSIFICATION RULE BY ID3</li> <li>Demonstration of classification rule process on dataset employee. arff using id3 algorithm.</li> </ul>						using	CO3	
WEEK – VI								using	CO3
H		FICATION RULE BY							CO3

	Demonstration of clustering rule process on dataset iris. arff using simple k- means.			
WEEK –VIII	CLUSTERING			
	Demonstration of clustering rule process on dataset student. arff using simple k- means this macro to print the elements of the array.			
WEEK - IX	CLUSTERING BY K-MEANS	CO5		
	Implement k-means algorithm.			
WEEK - X	DECISION TREE	CO5		
	Implement decision tree classification algorithm.			
WEEK – XI	ASSOCIATION RULE MINING BY APRIORI ALGORITHM.	CO5		
	Implement Apriori algorithm.			
WEEK – XII	ASSOCIATION RULE MINING BY FP- GROWTH ALGORITHM.	<b>CO6</b>		
	Implement FP- growth algorithm.			