

**ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

LECTURE SCHEDULE

Subject: Data Ware housing and Data Mining
Name: Dr.A.VEERASWAMY
No. of Lectures per week: 5+1*(Tutorial)

Academic Year: 2019-20
Year & Sem/Section: III-II-SEM 'A'

S.NO	DATE	UNITS	TOPICS
1	18/11/19	I	Introduction to Data Mining
2	19/11/19		What Is Data Mining, What Kinds of Data Can Be Mined
3	20/11/19		What Kinds of Patterns Can Be Mined
4	21/11/19		Which Technologies Are Used
5	22/11/19		Which Kinds of Applications Are Targeted
6	22/11/19		TUTORIAL
7	25/11/19		Major Issues in Data Mining
8	26/11/19		Data Objects and Attribute Types
9	27/11/19		Basic Statistical Descriptions of Data
10	28/11/19		Data Visualization
11	29/11/19		Measuring Data Similarity and Dissimilarity
12	29/11/19		TUTORIAL
13	02/12/19		REVISION USING PPT
14	03/12/19		SLIPTEST-1
15	04/12/19	II	Introduction to Data Pre processing
16	05/12/19		Data Cleaning
17	06/12/19		Data Cleaning
18	06/12/19		TUTORIAL
19	09/12/19		Data Integration
20	10/12/19		Data Integration
21	11/12/19		Data Reduction
22	12/12/19		Data Transformation
23	13/12/19		Data Discretization
24	13/12/19		TUTORIAL
25	16/12/19	REVISION USING PPT	
26	17/12/19	SLIPTEST-2	
27	18/12/19	III	Classification: Basic Concepts
28	19/12/19		General Approach to solving a classification problem
29	20/12/19		Decision Tree Induction Algorithm
30	20/12/19		TUTORIAL
31	23/12/19		Decision Tree Induction Algorithm
32	26/12/19		Working of Decision Tree
33	27/12/19		building a decision tree
34	27/12/19		TUTORIAL
35	30/12/19		methods for expressing an attribute test conditions
36	31/11/19		measures for selecting the best split
37	1/1/20		Algorithm for decision tree induction
38	2/1/20	Algorithm for decision tree induction with examples	

39	3/1/20		Algorithm for decision tree induction with examples	
40	3/1/20		TUTORIAL	
41	6/1/20		REVISION	
42	7/1/20		REVISION	
43	8/1/20		REVISION	
44	9/1/20		REVISION	
45	10/1/20		REVISION	
46	10/1/20		TUTORIAL	
47	13/1/20		REVISION	
48	20/1/20		REVISION	
49	21/1/20		REVISION	
50	22/1/20		REVISION	
51	23/1/20		REVISION	
52	24/1/20	IV	Classification: Alterative Techniques	
53	24/1/20		TUTORIAL	
54	27/1/20		Other Classification Techniques	
55	28/1/20		Bayes' Theorem	
56	29/1/20		Naïve Bayesian Classification	
57	30/1/20		Naïve Bayesian Classification	
58	31/1/20		Bayesian Belief Networks	
59	3/2/20		Bayesian Belief Networks with Examples	
60	4/2/20		REVISION USING PPT	
61	5/2/20		SLIP TEST-3	
62	6/2/20		V	Association Analysis: Basic Concepts
63	7/2/20			Problem Defecation
64	7/2/20	TUTORAIL		
65	10/2/20	Frequent Item Set generation		
66	11/2/20	Rule generation		
67	12/2/20	compact representation of frequent item sets		
68	13/2/20	compact representation of frequent item sets		
69	14/2/20	FP-Growth Algorithm		
70	14/2/20	TUTORIAL		
71	17/2/20	FP-Growth Algorithm with Real time dataset		
72	18/2/20	FP-Growth Algorithm Examples		
73	19/2/20	REVISION USING PPT		
74	20/2/20	SLIP TEST-4		
75	21/2/20	VI	Cluster Analysis: Basic Concepts Introduction	
76	21/2/20		TUTORIAL	
77	25/2/20		Different Types of Clusters	
78	26/2/20		What Is Cluster Analysis? Different Types of Clustering	
79	27/2/20		What Is Cluster Analysis? Different Types of Clustering	
80	28/2/20		K-means: The Basic K-means Algorithm	
81	28/2/20		TUTORIAL	
82	2/3/20		K-means Additional Issues	
83	3/3/20		Bisecting K-means	
84	4/3/20		Strengths and Weaknesses of K-means	
85	5/3/20	Agglomerative Hierarchical Clustering		

87	6/3/20		Basic Agglomerative Hierarchical Clustering Algorithm
88	6/3/20		TUTORIAL
89	10/3/20		Hierarchical Clustering Algorithm Examples
90	11/3/20		DBSCAN: Traditional Density, Centre-Based Approach
91	12/3/20		DBSCAN: Traditional Density Examples
92	13/3/20		Centre-Based Approach Examples
93	13/3/20		TUTORIAL
94	16/3/20		REVISION
95	17/3/20		REVISION
96	18/3/20		REVISION
97	19/3/20		REVISION
98	20/3/20		REVISION
99	20/3/20		TUTORIAL
100	23/3/20		REVISION
101	24/3/20		REVISION
102	26/3/20		REVISION
103	27/3/20		REVISION
104	27/3/20		REVISION
105	30/3/20		REVISION

****No. of Tutorials: 15**

TEXT BOOKS:

1. Introduction to Data Mining: Pang-Ning tan, Michael Steinbach, Vip Kumar, Pearson
2. Data Mining, Concepts and Techniques, 3/e Jiawei Hna, Michelin.

REFERENCE BOOKS:

1. Introduction to Data Mining with Case studies 2nd ed: Gk Gupta; PH
2. Data Mining: Introductory and Advanced Topics: Dunham , Sridhar Pearson.
3. Data Warehousing .Data Mining & OLAP, Alex Berson, Stephen Smith, DMH
4. Data Mining Theory and Practice, Somna, Diwakar, Ajay PHI, 2006

FACULTY MEMBER

HEAD OF THE DEPARTMENT