

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

LECTURE SCHEDULE

Subject: Data Ware housing and Data Mining

Academic Year: 2019-20

Name: Dr.A.VEERASWAMY

Year & Sem/Section: III-II-SEM 'B'

No. of Lectures per week: 5+1*(Tutorial)

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	23/11/19		Major Issues in Data Mining
7	25/11/19		TUTORIAL
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	30/11/19		REVISION USING PPT
13	02/12/19		TUTORIAL
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	07/12/19		Data Integration
19	09/12/19		TUTORIAL
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	14/12/19		REVISION USING PPT
25	16/12/19		TUTORIAL
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	21/12/19		Decision Tree Induction Algorithm
31	23/12/19		TUTORIAL
32	26/12/19		Working of Decision Tree
33	27/12/19		building a decision tree
34	28/12/19		methods for expressing an attribute test conditions
35	30/12/19		TUTORIAL
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	4/1/20		REVISION
41	6/1/20		TUTORIAL
42	7/1/20		REVISION
43	8/1/20		REVISION
44	9/1/20		REVISION
45	10/1/20		REVISION
46	13/1/20		REVISION
47	18/1/20		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: Alternative Techniques
53	26/1/20		Other Classification Techniques
54	27/1/20		TUTORIAL
55	28/1/20		Bayes' Theorem
56	29/1/20		Naïve Bayesian Classification
57	30/1/20		Bayesian Belief Networks,
58	31/1/20		Bayesian Belief Networks with Examples
59	1/2/20		Bayesian Belief Networks with Examples
60	3/2/20		TUTORIAL
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		Frequent Item Set generation
65	10/2/20		TUTORAIL
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	15/2/20		FP-Growth Algorithm with Real time dataset
71	17/2/20		TUTORIAL
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	22/2/20		Different Types of Clusters
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	29/2/20		K-means Additional Issues
82	2/3/20		TUTORIAL
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	7/3/20		Hierarchical Clustering Algorithm Examples
89	10/3/20		DBSCAN: Traditional Density, Centre-Based Approach
90	11/3/20		Centre-Based Approach Examples
91	12/3/20		REVISION
92	13/3/20		REVISION
93	16/3/20		TUTORIAL
94	17/3/20		REVISION
95	18/3/20		REVISION
96	19/3/20		REVISION
97	20/3/20		REVISION
98	21/3/20		REVISION
99	23/3/20		REVISION
100	24/3/20		REVISION
101	26/3/20		REVISION
102	27/3/20		REVISION
103	28/3/20		REVISION
104	30/3/20		REVISION

****No. of Tutorials: 12**

TEXT BOOKS:

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

REFERENCE BOOKS:

1. Introduction to Data Mining with Case studies 2nd ed: Gk Gupta; PHI
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