

St Ann's College of Engineering and Technology
Department of Computer Science and Engineering
Lecture Schedule

Subject : Hadoop And Big Data

Year IV CSE C -I SEM

Name of the Faculty: Mastanaih Naidu Y

Academic Year:2018-19

No of Classes per week:4+1*(Tutorial)

S.NO	DATE	UNIT	TOPIC
1	11-Jun-18	I	Introduction:
2	12-Jun-18		Linked List
3	13-Jun-18		Stacks,
4	14-Jun-18		Queues
5	18-Jun-18		Sets
6	19-Jun-18		Maps
7	20-Jun-18		Generic classes and Type parameters
8	21-Jun-18		Tutorial
9	22-Jun-18		Implementing Generic Types,
10	23-Jun-18		Generic Methods
11	25-Jun-18		Concept of Serialization
12	26-Jun-18		Slip Test I
13	27-Jun-18	II	Working with Big Data: Google File System
14	28-Jun-18		Tutorial
15	29-Jun-18		Hadoop Distributed File System (HDFS)
16	30-Jun-18		Building blocks of Hadoop (Namenode, Datanode,Secondary Namenode)
17	2-Jul-18		Building blocks of Hadoop(JobTracker, TaskTracker)
18	3-Jul-18		Introducing and Configuring Hadoop cluster
19	4-Jul-18		Local, Pseudo-distributed mode
20	5-Jul-18		Tutorial
21	6-Jul-18		Fully Distributed mode
22	7-Jul-18		Configuring XML files.
23	9-Jul-18		Slip Test II
24	10-Jul-18	III	A Weather Dataset
25	11-Jul-18		Understanding Hadoop API for MapReduce Framework
26	12-Jul-18		Tutorial
27	13-Jul-18		Understanding Hadoop API for MapReduce Framework
28	14-Jul-18		Understanding Hadoop API for MapReduce Framework
29	16-Jul-18		Basic programs of Hadoop MapReduce
30	17-Jul-18		Driver code,
31	18-Jul-18		Mapper code
32	19-Jul-18		Tutorial
33	20-Jul-18		<i>Combiner,</i>
34	21-Jul-18		Partitioner
35	23-Jul-18		Reducer code,
36	24-Jul-18		RecordReader
37	25-Jul-18		Example programs on map reduce
38	26-Jul-18		Tutorial
39	27-Jul-18	Revision	Revision
40	28-Jul-18		Revision
41	30-Jul-18		Revision
42	31-Jul-18		Revision
43	1-Aug-18		Revision
44	2-Aug-18		Revision
45	3-Aug-18		Revision
46	4-Aug-18		Revision
47	6-Aug-18		Revision
48	7-Aug-18		Revision
49	8-Aug-18		Revision

50	9-Aug-18		Revision
51	10-Aug-18		Revision
52	11-Aug-18		Revision
53	13-Aug-18	IV	The Writable Interface
54	14-Aug-18		WritableComparable and comparators
55	16-Aug-18		Tutorial
56	17-Aug-18		Writable Classes: Writable wrappers for Java primitives
57	18-Aug-18		Text, BytesWritable
58	20-Aug-18		NullWritable, ObjectWritable and GenericWritable
59	21-Aug-18		Writable collections
60	23-Aug-18		Tutorial
61	24-Aug-18		Implementing a Custom Writable
62	25-Aug-18		Implementing a RawComparator for speed
63	27-Aug-18		Custom comparators
64	28-Aug-18		Example programs on writable Classes
65	29-Aug-18		Slip Test III
66	30-Aug-18		Tutorial
67	31-Aug-18	V	Admiring the Pig Architecture,
68	4-Sep-18		Going with the Pig Latin Application Flow,
69	5-Sep-18		Working through the ABCs of Pig Latin
70	6-Sep-18		Tutorial
71	7-Sep-18		Evaluating Local and Distributed Modes of Running Pig Scripts
72	8-Sep-18		Checking out the Pig Script Interfaces
73	10-Sep-18		Scripting with Pig Latin
74	11-Sep-18		Slip Test IV
75	12-Sep-18	VI	Saying Hello to Hive
76	15-Sep-18		Seeing How the Hive is Put Together
77	17-Sep-18		Getting Started with Apache Hive
78	18-Sep-18		Examining the Hive Clients
79	19-Sep-18		Working with Hive Data Types
80	20-Sep-18		Tutorial
81	22-Sep-18		Creating and Managing Databases and Tables
82	24-Sep-18		Creating and Managing Databases and Tables
83	25-Sep-18		Querying and Analyzing Data
84	26-Sep-18		Querying and Analyzing Data
85	27-Sep-18		Tutorial
86	28-Sep-18	Querying and Analyzing Data	
87	29-Sep-18		Revision
88	1-Oct-18		Revision
89	3-Oct-18		Revision
90	4-Oct-18		Revision
91	5-Oct-18		Revision
92	6-Oct-18		Revision
93	8-Oct-18		Revision
94	9-Oct-18		Revision
95	10-Oct-18		Revision
96	11-Oct-18		Revision
97	12-Oct-18		Revision
98	13-Oct-18		Revision

Text Books

1	Big Java 4th Edition, Cay Horstmann, Wiley John Wiley & Sons, INC
2	Hadoop: The Definitive Guide by Tom White, 3rd Edition, O'reilly
3	Hadoop in Action by Chuck Lam, MANNING Publ.
4	Hadoop for Dummies by Dirk deRoos, Paul C.Zikopoulos, Roman B.Melnyk,Bruce Brown,

References

1	Hadoop in Practice by Alex Holmes, MANNING Publ
2	Hadoop MapReduce Cookbook, Srinath Perera, Thilina Gunarathne

Faculty

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