

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

Lecture Schedule

Subject : Hadoop And Big Data

Year IV CSE B -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	18-Jun-18		Queues
5	19-Jun-18		Sets
6	20-Jun-18		Maps
7	22-Jun-18		Generic classes and Type parameters
8	22-Jun-18		Tutorial
9	23-Jun-18		Implementing Generic Types,
10	25-Jun-18		Generic Methods
11	26-Jun-18		Concept of Serialization
12	27-Jun-18		Slip Test I
13	29-Jun-18	II	Working with Big Data: Google File System
14	29-Jun-18		Tutorial
15	30-Jun-18		Hadoop Distributed File System (HDFS)
16	2-Jul-18		Building blocks of Hadoop (Namenode, Datanode,Secondary Namenode)
17	3-Jul-18		Building blocks of Hadoop(JobTracker, TaskTracker)
18	4-Jul-18		Introducing and Configuring Hadoop cluster
19	6-Jul-18		Local, Pseudo-distributed mode
20	6-Jul-18		Tutorial
21	7-Jul-18		Fully Distributed mode
22	9-Jul-18		Configuring XML files.
23	10-Jul-18		Slip Test II
24	11-Jul-18	III	A Weather Dataset
25	13-Jul-18		Understanding Hadoop API for MapReduce Framework
26	13-Jul-18		Tutorial
27	14-Jul-18		Understanding Hadoop API for MapReduce Framework
28	16-Jul-18		Understanding Hadoop API for MapReduce Framework
29	17-Jul-18		Basic programs of Hadoop MapReduce
30	18-Jul-18		Driver code,
31	20-Jul-18		Mapper code
32	20-Jul-18		Tutorial
33	21-Jul-18		<i>Combiner,</i>
34	23-Jul-18		Partitioner
35	24-Jul-18		Reducer code,
36	25-Jul-18		RecordReader
37	27-Jul-18		Example programs on map reduce
38	27-Jul-18	Tutorial	
39	28-Jul-18	Revision	Revision
40	30-Jul-18		Revision
41	31-Jul-18		Revision
42	1-Aug-18		Revision
43	3-Aug-18		Revision
44	3-Aug-18		Revision
45	4-Aug-18		Revision
46	6-Aug-18		Revision
47	7-Aug-18		Revision
48	8-Aug-18		Revision
49	10-Aug-18		Revision

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

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