

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:2017-18

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

S.NO	DATE	UNIT	TOPIC
1	19-Jun-2017	I	Introduction:
2	22-Jun-2017		Linked List
3	23-Jun-2017		Stacks,
4	24-Jun-2017		Queues
5	24-Jun-2017		Sets,Maps
6	29-Jun-2017		Tutorial
7	30-Jun-2017		Generic classes and Type parameters
8	1-Jul-2017		Implementing Generic Types, Generic Methods
9	1-Jul-2017		Concept of Serialization
10	3-Jul-2017		Slip Test I
11	6-Jul-2017		Revision through ppt
12	7-Jul-2017		Tutorial
13	10-Jul-2017	II	Working with Big Data: Google File System
14	13-Jul-2017		Hadoop Distributed File System (HDFS)
15	14-Jul-2017		Building blocks of Hadoop (Namenode, Datanode,Secondary Namenode)
16	15-Jul-2017		Tutorial
17	15-Jul-2017		Building blocks of Hadoop(JobTracker, TaskTracker)
18	17-Jul-2017		Introducing and Configuring Hadoop cluster
19	20-Jul-2017		Local, Pseudo-distributed mode
20	21-Jul-2017		Fully Distributed mode,
21	22-Jul-2017		Tutorial
22	22-Jul-2017		Configuring XML files.
23	24-Jul-2017		Slip Test II
24	27-Jul-2017		Revision through ppt
25	28-Jul-2017	III	A Weather Dataset
26	29-Jul-2017		Tutorial
27	29-Jul-2017		Understanding Hadoop API for MapReduce Framework
28	31-Jul-2017		Understanding Hadoop API for MapReduce Framework
29	3-Aug-2017		Basic programs of Hadoop MapReduce
30	4-Aug-2017		Basic programs of Hadoop MapReduce
31	5-Aug-2017		Tutorial
32	5-Aug-2017		Driver code,
33	7-Aug-2017		Mapper code
34	10-Aug-2017		<i>Combiner,</i>
35	11-Aug-2017		Partitioner
36	12-Aug-2017		Tutorial
37	12-Aug-2017		Reducer code,
38	17-Aug-2017		RecordReader
39	18-Aug-2017		Revision
40	19-Aug-2017		Revision
41	19-Aug-2017		Revision
42	21-Aug-2017		Revision
43	24-Aug-2017	Revision	
44	28-Aug-2017		The Writable Interface
45	31-Aug-2017		WritableComparable and comparators
46	1-Sep-2017		Tutorial
47	4-Sep-2017		Writable Classes: Writable wrappers for Java primitives
48	7-Sep-2017		Text, BytesWritable
49	8-Sep-2017		NullWritable, ObjectWritable and GenericWritable

50	9-Sep-2017	IV	Tutorial
51	9-Sep-2017		Writable collections
52	11-Sep-2017		Implementing a Custom Writable
53	14-Sep-2017		Implementing a RawComparator for speed
54	15-Sep-2017		Custom comparators
55	16-Sep-2017	V	Tutorial
56	16-Sep-2017		Slip Test III
57	18-Sep-2017		Revision through ppt
58	21-Sep-2017		Admiring the Pig Architecture,
59	22-Sep-2017		Going with the Pig Latin Application Flow,
60	23-Sep-2017		Working through the ABCs of Pig Latin
61	23-Sep-2017		Evaluating Local and Distributed Modes of Running Pig Scripts
62	25-Sep-2017		Checking out the Pig Script Interfaces
63	5-Oct-2017		Scripting with Pig Latin
64	6-Oct-2017		Tutorial
65	7-Oct-2017		Slip Test IV
66	7-Oct-2017		Revision through ppt
67	9-Oct-2017		VI
68	12-Oct-2017	Seeing How the Hive is Put Together	
69	13-Oct-2017	Getting Started with Apache Hive	
70	14-Oct-2017	Examining the Hive Clients	
71	14-Oct-2017	Tutorial	
72	16-Oct-2017	Working with Hive Data Types	
73	20-Oct-2017	Creating and Managing Databases and Tables	
74	21-Oct-2017	Querying and Analyzing Data	
75	21-Oct-2017	Revision	
76	23-Oct-2017	Revision	
77		Revision	
78		Revision	
79		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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