

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

Lecture Schedule

Subject : Big Data Analytics

Year IV CSE C-I SEM

Name of the Faculty: Mastanaih Naidu Y

Academic Year:2019-20

No of Classes per week:4

S.NO	DATE	UNIT	TOPIC
1	10-Jun-2019	I	Introduction:
2	11-Jun-2019		Linked List
3	12-Jun-2019		Stacks,
4	13-Jun-2019		Queues
5	18-Jun-2019		Sets
6	19-Jun-2019		Maps
7	20-Jun-2019		Generic classes and Type parameters
8	24-Jun-2019		Implementing Generic Types, Generic Methods
9	25-Jun-2019		Concept of Serialization
10	26-Jun-2019		
11	27-Jun-2019	II	Working with Big Data: Google File System
12	1-Jul-2019		Hadoop Distributed File System (HDFS)
13	2-Jul-2019		Building blocks of Hadoop (Namenode, Datanode,Secondary Namenode)
14	3-Jul-2019		Building blocks of Hadoop(JobTracker, TaskTracker)
15	4-Jul-2019		Introducing and Configuring Hadoop cluster
16	8-Jul-2019		Local, Pseudo-distributed mode
17	9-Jul-2019		Fully Distributed mode
18	10-Jul-2019		Configuring XML files.
19	11-Jul-2019		
20	15-Jul-2019	III	A Weather Dataset
21	16-Jul-2019		Understanding Hadoop API for MapReduce Framework
22	17-Jul-2019		Understanding Hadoop API for MapReduce Framework
23	18-Jul-2019		Understanding Hadoop API for MapReduce Framework
24	22-Jul-2019		Basic programs of Hadoop MapReduce
25	23-Jul-2019		Driver code,
26	24-Jul-2019		Mapper code
27	25-Jul-2019		<i>Combiner,</i>
28	29-Jul-2019		Partitioner
29	30-Jul-2019		Reducer code,
30	31-Jul-2019		RecordReader
31	1-Aug-2019		Revision
32	5-Aug-2019	Revision	
33	6-Aug-2019	Revision	
34	7-Aug-2019	Revision	
35	8-Aug-2019	Revision	
36	13-Aug-2019	IV	The Writable Interface
37	14-Aug-2019		WritableComparable and comparators
38	19-Aug-2019		Writable Classes: Writable wrappers for Java primitives
39	20-Aug-2019		Text, BytesWritable
40	21-Aug-2019		NullWritable, ObjectWritable and GenericWritable
41	22-Aug-2019		Writable collections
42	26-Aug-2019		Implementing a Custom Writable
43	27-Aug-2019		Implementing a RawComparator for speed
44	28-Aug-2019		Custom comparators
45	29-Aug-2019		
46	3-Sep-2019	V	Admiring the Pig Architecture,
47	4-Sep-2019		Going with the Pig Latin Application Flow,
48	5-Sep-2019		Working through the ABCs of Pig Latin
49	9-Sep-2019		Evaluating Local and Distributed Modes of Running Pig Scripts

50	11-Sep-2019		Checking out the Pig Script Interfaces
51	12-Sep-2019		Scripting with Pig Latin
52	16-Sep-2019		Slip Test IV
53	17-Sep-2019	VI	Saying Hello to Hive
54	18-Sep-2019		Seeing How the Hive is Put Together
55	19-Sep-2019		Getting Started with Apache Hive
56	23-Sep-2019		Examining the Hive Clients
57	24-Sep-2019		Working with Hive Data Types
58	25-Sep-2019		Creating and Managing Databases and Tables
59	26-Sep-2019		Creating and Managing Databases and Tables
60	30-Sep-2019		Querying and Analyzing Data
61	1-Oct-2019		Querying and Analyzing Data
62	3-Oct-2019		Revision
63	<i>7-Oct-2019</i>		Revision
64	<i>9-Oct-2019</i>		Revision
65	<i>10-Oct-2019</i>		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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