

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:2017-18

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

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

| | | | | |
|----|--------------------|---|--|--|
| 50 | 5-Sep-2017 | IV | Tutorial | |
| 51 | 8-Sep-2017 | | Writable collections | |
| 52 | 9-Sep-2017 | | Implementing a Custom Writable | |
| 53 | 11-Sep-2017 | | Implementing a RawComparator for speed | |
| 54 | 12-Sep-2017 | | Custom comparators | |
| 55 | 12-Sep-2017 | | Tutorial | |
| 56 | 15-Sep-2017 | | Slip Test III | |
| 57 | 16-Sep-2017 | | Revision through ppt | |
| 58 | 18-Sep-2017 | | V | Admiring the Pig Architecture, |
| 59 | 19-Sep-2017 | | | Going with the Pig Latin Application Flow, |
| 60 | 22-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 | 26-Sep-2017 | Scripting with Pig Latin | | |
| 64 | 26-Sep-2017 | Tutorial | | |
| 65 | 3-Oct-2017 | Slip Test IV | | |
| 66 | 3-Oct-2017 | Revision through ppt | | |
| 67 | 6-Oct-2017 | VI | | Saying Hello to Hive |
| 68 | 7-Oct-2017 | | Seeing How the Hive is Put Together | |
| 69 | 9-Oct-2017 | | Getting Started with Apache Hive | |
| 70 | 10-Oct-2017 | | Examining the Hive Clients | |
| 71 | 10-Oct-2017 | | Tutorial | |
| 72 | 13-Oct-2017 | | Working with Hive Data Types | |
| 73 | 14-Oct-2017 | | Creating and Managing Databases and Tables | |
| 74 | 16-Oct-2017 | | Querying and Analyzing Data | |
| 75 | 17-Oct-2017 | | Revision | |
| 76 | 17-Oct-2017 | | Revision | |
| 77 | 20-Oct-2017 | | Revision | |
| 78 | 21-Oct-2017 | | Revision | |
| 79 | 23-Oct-2017 | | 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

HOD

Understandi

Understandi|Understandi