

**Course Outline:**

Date	Topics to be discussed	Duration
07-Sept-2019	Problems with traditional systems What is Hadoop and what does it do? Hadoop Cluster Overview HDFS Hadoop 1 vs 2 Intorduction to Git and IntelliJ IDE	09:30 to 16:30
14-Sept-2019	MapReduce detailed discussion Writing basic MapReduce programs in Java Running and debugging your first Big-Data program on Hadoop standalone mode Accessing HDFS Programmatically MapReduce job chaining Joining multiple data sources Performance optimization	09:30 to 16:30
21-Sept-2019	Installation and configuration of Hadoop in Pseudo-distributed mode Pig: high level map reduce programming language	09:30 to 16:30
28-Sept-2019	Hive: Batch processing SQL-like querying engine Interactive analysis with Impala	09:30 to 16:30
05-Oct-2019	Sqoop: Data transfer tool between Relational database and HDFS Hbase: low latency random access analysis	09:30 to 16:30
19-Oct-2019	Spark: In memory data processing framework	09:30 to 16:30
26-Oct-2019	Surprize topics	09:30 to 15:30

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