

# COURSE – BIG DATA SPARK

SYLLABUS

<b>Sl.No</b>	<b>Topics</b>	<b>Concepts</b>	<b>Hands on</b>	<b>Assignment</b>
1	Data	✓	X	X
2	Evolution of data	✓	X	X
3	Hadoop EcoSystem	✓	X	X
4	Hdfs	✓	✓	X
5	MapReduce	✓	✓	X
6	Yarn	✓	X	X
7	Hive	✓	✓	✓
8	H-base	✓	X	X
9	Sqoop	✓	X	X
10	Scala-Basic	✓	✓	✓

Sl.No	Topics	Concepts	Hands on	Assignments
1	Introduction to Spark	✓	X	X
2	Spark's Toolset	✓	X	✓
3	Structured API Overview	✓	✓	✓
4	Basic Structured Operations	✓	✓	✓
5	Working with Different Types of Data	✓	✓	✓
6	Aggregations	✓	✓	✓
7	Joins	✓	✓	✓
8	Data Source	✓	✓	✓
9	Spark SQL	✓	✓	✓
10	Datasets	✓	✓	✓
11	Resilient Distributed Datasets (RDDs)	✓	✓	✓
12	Distributed Shared Variables	✓	✓	✓
13	How Spark Runs on a Cluster	✓	X	✓
14	Developing Spark Applications	✓	✓	✓
15	Monitoring and Debugging	✓	✓	✓

# PROJECTS

- ❖ Simple
- ❖ Medium
- ❖ Complex

# SUPPORT

- ❖ Interview Questions
- ❖ Model Resumes
- ❖ Up to 3 mockup interviews