

# Big Data Syllabus

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## PRE-REQUISITE

- Basic knowledge of Linux Operating System.
- Basic knowledge of Java Programming

## Module 1: Introduction to Big Data and Hadoop

- Concept of Big Data
- Basic of Hadoop

## Module 2: Big Data Eco System and its component

- Hadoop ecosystem structure
- Role of each componet in eco system

## Module 3: Hadoop Enviromental Setup

- How to work with vmware
- Steps to install Hadoop.
- Steps involved in single and multi - node Hadoop installation on Ubuntu.

## Module 4: HDFS and MapReduce

- Concept of HDFS
- HDFS architecture
- Concepts of MapReduce
- Map Reduce architecture
- Advance Concept of Map Reduce

## Module 5: Hive

- Hive Basic and Architecture
- Hive Programming
- Hive Installation

## Module 6: Sqoop and Flume

- Concept of Sqoop
- Sqoop installation and working
- Concept of Flume
- Flume installation and working

## Module 7: Pig

- Conecept of Pig
- Pig Engine Installation

## Module8: HBase

- Overview of Big Data - Databases
- HBase architecture and Data Model
- HBASE Installation