

6 WEEKS

HADOOP CURRICULUM



CURRICULUM

IT'S ALL ABOUT JAVA :

» What is Java?

- Architecture of Java(JDK/JRE/JVM)
- Data Types & Variables in Java.
- Type Casting.
- OOPS Concept.
 - Polymorphism
 - Abstraction
 - Inheritance
 - Encapsulation
- Control Structures.
 - Do-While Loop
 - For Loop
 - If-Else
 - Switch Case
- Exception Handling.
- Collection Framework.
 - Map/Set/Tree

IT'S ALL ABOUT HADOOP :

» Understanding Big Data & Hadoop

- Analyze Limitation & Solutions of Existing Data Analytics Architecture.
- What is Hadoop 2.x and its features.
- What is Hadoop YARN.
- Understanding Rack Awareness and Load Balancing Concepts.

» Hadoop Architecture and HDFS

- What is Master & Slave Architecture of Hadoop.
- Distributed Computing and Parallel Processing.
- Replication Factors and Heart Beat in Architecture.
- Implement Basic Hadoop Commands on Terminal.

» Hadoop MapReduce Framework

- Analyze Different use cases Where MapReduce is Used.
- Differentiate Between Traditional way and MapReduce way.
- Map Phase and Reduce Phase.
- Understand execution Flow of YARN MapReduce Application.
- Run A MapReduce Program(Word-Count)

» Introduction to Hive

- Architecture and its Component.
- Data Models In Hive.
- Query Efficiency Measures.

- Types of Tables in Hive.
- Loading Data into Hive Tables(Local & HDFS Mode)
- Partitioning and Bucketing
- Hive Scripts.

» Introduction to Sqoop

- What is Sqoop?
- How to Import and Export Data Using Sqoop.
- How we transfer data from RDBMS to HDFS and Vice Versa.

» Introduction to NoSQL Database

- What is HBase?
- Architecture of HBase.
- Columns and Column Family.
- Key-Value Pairing of Data into HBase.
- Basic Commands of HBase.

PROJECT DISCUSSION

USPs

» STUDY MATERIALS IN SOFTCOPY

» LABS

- 7:30AM TO 10:30PM

» LIVE PROJECTS

» COURSE CERTIFICATE

» CONFIRMATION LETTER TRAINING LETTER PROJECT LETTER

- For Degree Pursing Candidates To Submit In Colleges

» UPGRADED COURSE CONTENTS (U.C.C.)

- Regular Updated Course Contents According To Submit In Colleges

» CONSULTANTS/FACULTIES

- BestPart Of The Industry Who Is Taking Corporate Batches
- Eg. SDG, XANSA, HCL, WIPRO, PYRAMID, CMS, PATNI & Many More...

» INDUSTRY COLLABORATIONS & AWARENESS FROM

- Bangalore, Hyderabad & Pune

» TECHNICAL PANEL FORM INDUSTRY IN DIFFERENT DOMAINS

- IBM, FIDELITY, STERIA, HCL, WIPRO, BIRLA SOFT & Many More...

» 100% JOB ASSISTANCE

- Outsourcing
- Resourcing Through Consultancy Services
- Regular Walk Ins
- Exclusive Walk Ins For DUCATiens
- Campus Interviews
- Resume Sending
- References

Partners :



Java



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