TechnoMaster

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Course: Big Data

Duration: 30 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

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Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, SalesForce, Sap
- Microsoft Excel
- Ethical Hacking

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MODULE 1: Introduction to Big Data and Hadoop

* Types of Digital Data

* Introduction to Big Data

* Big Data Analytics

* History of Hadoop

* Apache Hadoop

* Analysing Data with Unix tools

* Analysing Data with Hadoop

* Hadoop Streaming

* Hadoop Echo System

* IBM Big Data Strategy

* Introduction to Infosphere BigInsights

* Big Sheets

MODULE 2: HDFS (Hadoop Distributed File System)

* The Design of HDFS

* HDFS Concepts

* Command Line Interface

* Hadoop file system interfaces

* Data flow

* Data Ingest with Flume and Scoop and Hadoop archives

* Hadoop I/O: Compression

* Serialization

* Avro and File-Based Data structures

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MODULE 3: Map Reduce

* Anatomy of a Map Reduce Job Run

* Failures, Job Scheduling

* Shuffle and Sort

* Task Execution

* Map Reduce Types and Formats

* Map Reduce Features

MODULE 4: Hadoop Eco System

* Pig : Introduction to PIG

* Execution Modes of Pig

* Comparison of Pig with Databases

* Grunt, Pig Latin

* User Defined Functions

* Data Processing operators

* Hive : Hive Shell

* Hive Services

* Hive Metastore

* Comparison with Traditional Databases

* HiveQL

* Tables

* Querying Data and User Defined Functions

* Hbase: HBasics

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* Concepts

* Clients

* Hbase Versus RDBMS

* Big SQL: Introduction

MODULE 5: Data Analytics with R

* Machine Learning: Introduction

* Supervised Learning

* Unsupervised Learning

* Collaborative Filtering

* Big Data Analytics with BigR.

(Click on Course for more details)

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- Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.