



**TRUSTED BY 2.5 LAKH+ STUDENTS  
PARTNER WITH 4000+ COMPANIES**

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# WHY NEXUS'S PLACEMENT GUARANTEED PROGRAM

INDUSTRY STANDARDS  
CURRICULUM BY EXPERTS

**4000+**

PARTNER COMPANIES

**100%**

FULLY REFUNDABLE

**100%**

ASSURANCE  
PLACEMENT

**UPTO 25 LPA**

SALARY JOB

COMPLETELY **LIVE**

TOP INDUSTRY  
EXPERTS



# WHY CHOOSE US ?



## NEXUS

Industry standards curriculum by experts



Completely **Live** Classes



Job Assurance

upto 12 LPA

100% Refundable



Placement Training

Resume building, Mock Interviews

Partner Companies

Exclusive access to 4000+ Partner companies

Avg. Package

6 LPA

Fee Structure

Rs 30,000 (Most Affordable in the market with Highest ROI)



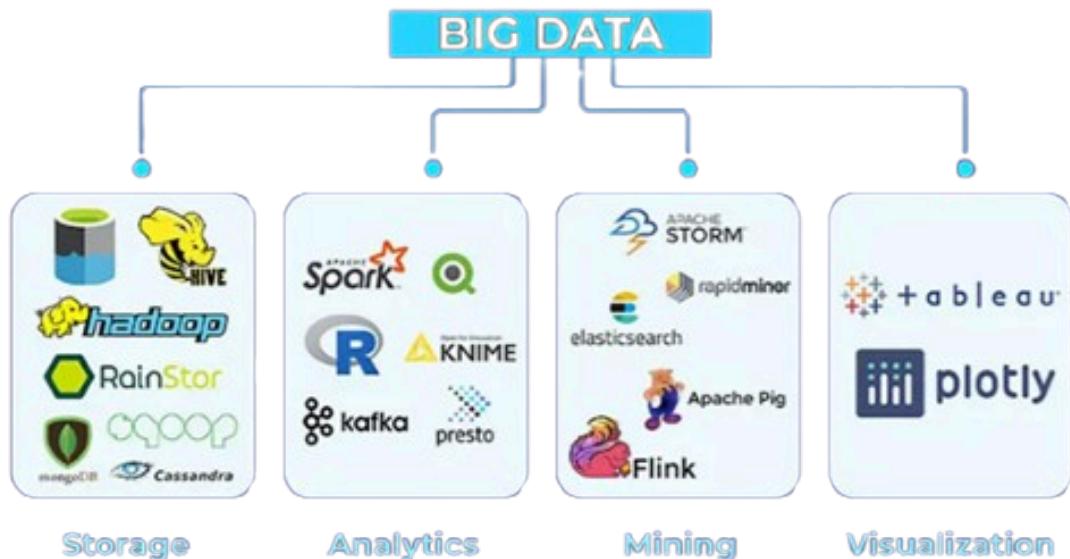
We are partner with 4000+ companies and  
we are just growing more





## PROGRAM CURRICULUM

### Top Big Data Technologies & Techniques



# WHO CAN DO THIS COURSE ?

Big Data courses are suitable for fresh graduates, IT professionals, business analysts, and anyone looking to build or advance their career in data analytics, engineering, or data science. These courses help professionals from diverse fields like IT, marketing, and finance leverage Big Data tools for insights and decision-making. Managers, entrepreneurs, and leaders can also benefit by understanding how Big Data drives business strategies. Ideal for students and career changers, the courses often require basic programming or analytical skills, though many start from the basics. With growing demand, Big Data expertise offers lucrative opportunities across industries.

# WHAT YOU GET ?

- 3 months training on Big Data
- Placement starts after 3 months
- 90 hrs of learning | Completely **LIVE**
- 100% Guaranteed placement after program completion
- projects + Capstone projects
- Flexible curriculum + Lifetime access + Certificate

# **Big Data**

Nexus is one of its kind Institute which not only equips you in technology skills but will train you for free in Aptitude skills, Soft Skills, Mock Interviews, Interview Skills, Work ethics and Corporate Values that you need to know to get into IT Industry. Our training is given by expert real time development experienced trainers and we enable each and every student of ours to do their own real time projects by the end of the program. We do not buy you a job by bribing companies to secure a place in IT, instead we equip you with the skills needed to get employed in IT and will support you with unlimited number of relevant interview opportunities so that your career in IT becomes assured. Our support will be there until you get placed in an IT Company as that's our mission too. If you want to just have an IT certification, you can do your course anywhere. If you aspire to get into an IT Job, then you should choose Nexus. With Nexus, your IT dream will definitely come into reality. Please go through the long list of our student reviews.

## **Module 1: Introduction to Big Data**

- What is Big Data?
- Characteristics of Big Data: Volume, Velocity, Variety, Veracity, and Value (5Vs)
- Big Data vs Traditional Data
- Applications and Use Cases of Big Data
- Big Data Analytics Life Cycle

## **Module 2: Big Data Ecosystem and Frameworks**

- Overview of Big Data Technologies
- Introduction to Hadoop Ecosystem:
- Hadoop Distributed File System (HDFS)
- MapReduce Programming Model
- YARN (Yet Another Resource Negotiator)

- NoSQL Databases: Introduction and Types
- Key-Value Stores
- Document Stores
- Columnar Databases
- Graph Databases
- Real-time Data Processing Overview

## **Module 3: Hadoop Architecture and HDFS**

- HDFS: Design and Architecture
- Blocks, Data Nodes, and Name Nodes
- Data Replication and Fault Tolerance
- File System Commands in Hadoop
- Hands-on: Setting up and Using HDFS

## **Module 4: MapReduce Programming**

- Basics of MapReduce
- Writing and Executing MapReduce Jobs
- Input and Output Formats
- Optimizing MapReduce Jobs
- Hands-on: Writing a Simple Word Count Program

## **Module 5: Apache Hive**

- Introduction to Hive and Architecture
- Hive Query Language (HQL)
  - Data Types, Tables, and Views
  - Partitioning and Bucketing
  - Joins and Sub-queries
- Hands-on: Querying Data in Hive

## **Module 6: Apache Pig**

- Introduction to Pig
- Pig Latin Programming
- Data Models in Pig
- Loading, Transforming, and Storing Data
- Hands-on: Writing Scripts in Pig

## **Module 7: Apache HBase**

- Introduction to HBase
- HBase vs RDBMS
- Data Model and Architecture
- CRUD Operations in HBase
- Hands-on: Working with HBase

## **Module 8: Apache Spark**

- Introduction to Apache Spark and its Ecosystem
- RDDs (Resilient Distributed Datasets)
- DataFrames and Datasets
- Spark SQL and Data Processing
- Hands-on: Writing Spark Jobs

## **Module 9: Big Data Analytics**

- Introduction to Data Analytics with Big Data
- Machine Learning with Spark MLlib
- Data Visualization Tools (e.g., Tableau, Power BI)
- Real-time Analytics with Apache Kafka and Spark Streaming
- Case Studies and Projects

## **Module 10: Big Data Tools and Technologies**

- Overview of Additional Tools:
  - Apache Cassandra
  - Apache Flink
  - Apache Storm
  - ElasticSearch
  - Presto
- Integration with Cloud Platforms (AWS, Azure, Google Cloud)

## **Module 11: Big Data Security**

- Security Challenges in Big Data
- Data Encryption and Access Control
- Securing Hadoop and Other Big Data Tools

## **Module 12: Hands-on Projects**

- Implementing Hadoop and MapReduce
- Query Optimization in Hive
- Building a Real-time Analytics Dashboard
- End-to-End Big Data Pipeline Implementation

## **Module 13: Industry Use Cases and Capstone Project**

- Big Data in Healthcare, Finance, Retail, etc.
- Real-world Scenarios and Solutions
- Capstone Project: Full Big Data Workflow



**Fee Structure ₹30,000**

**EMI Options Available (Fill the form & talk to team)**

**Fill the Course Application form**

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**Write to us at team contact@Nexus-ctc-llp**

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**To know more about Nexus's PGP**

**[www.nexusctc.com](http://www.nexusctc.com)**