



Data Analytics + Data Science

Course Details

Module 01 ●

Introduction to Data Analytics and Data Science

- Understanding the role of Data Analytics and Data Science in modern industries
- Overview of tools and technologies: Apache, Tableau, SQL, Hadoop, PowerBI
- Exploring data sources and types: structured, semi-structured, and unstructured data

Module 02 ●

Data Analysis with SQL

- Introduction to SQL (Structured Query Language)
- Querying and Manipulating Data using SQL
- Advanced SQL techniques for Data Analysis and Reporting

Module 03 ●

Data Visualization with Tableau and PowerBI

- Understanding Data Visualization principles
- Creating interactive dashboards and visualizations using Tableau and PowerBI
- Storytelling with Data: Communicating insights effectively

Module 04 ●

Big Data Analytics with Hadoop

- Introduction to Big Data and Hadoop ecosystem
- Processing and Analyzing Big Data using Hadoop MapReduce
- Implementing Data Pipelines with Hadoop tools

Module 05 ●

Machine Learning and Advanced Analytics

- Introduction to Machine Learning concepts and algorithms
- Hands-on experience with popular ML libraries: scikit-learn, TensorFlow, PyTorch
- Implementing Machine Learning models for predictive analytics and classifica-

Module 06 ●

Language Models and ChatGPT

- Understanding Language Models and their applications
- Dive into ChatGPT and Natural Language Processing (NLP) techniques
- Building conversational AI systems and chatbots

Module 07 ●

Live Projects in Data Analytics and Data Science

- Real-world Data Analysis and Modeling Projects
- Applying Data Science techniques to solve business problems
- Hands-on experience with Data-driven Decision Making

Assessment and Certification ●

- Regular Quizzes and Assignments to Assess Understanding
- Final Data Analytics and Data Science Project
- Course Completion Certificate

Duration & Prerequisites ●

- The course is designed to be completed in 4 months.
- Basic understanding of statistics, programming concepts, and familiarity with SQL is recommended.

Who Should Enroll ●

- Professionals seeking to transition into Data Analytics and Data Science roles
- Data Analysts looking to enhance their skills and explore advanced techniques
- Anyone interested in harnessing the power of data to drive business decisions

Outcome

By the end of this course, participants will have a comprehensive understanding of Data Analytics and Data Science concepts, tools, and techniques. They will be proficient in data analysis, visualization, machine learning, and advanced analytics, enabling them to make data-driven decisions and solve complex business problems effectively.

Our Mentors



Vaibhav Goyal

NIT WARANGAL

(Mentor : DSA and Full Stack)



Drishti Mamtani

BITS PILANI HYDERABAD

(Mentor : Data Science
and Analytics Part)



Shubham Mondal

IIT KHARAGPUR

(Mentor : DSA and Coding)



Our Students Are Placed In

