About Course
Introduction to Data Analytics

What you'll learn

1. Explain what Data Analytics is and the key steps in the Data Analytics process
2. Differentiate between different data roles such as Data Engineer, Data Analyst, Data Scientist, Business Analyst, and Business Intelligence Analyst
3. Describe the different types of data structures, file formats, and sources of data
4. Describe the data analysis process involving collecting, wrangling, mining, and visualizing data

Skills You wiii gain:-

1. Data Lakes
2. Data Warehousing
3. Extract, Transform, Load
4. Data Mart
5. Analytics
6. Apache Hadoop
7. Data Visualization Software
8. Data Wrangling
9. Data Collection
10. Data Cleansing
11. Statistical Analysis

There are 5 modules in this course

Ready to start a career in Data Analysis but don’t know where to begin? This course presents you with a gentle introduction to Data Analysis, the role of a Data Analyst, and the tools used in this job. You will learn about the skills and responsibilities of a data analyst and hear from several data experts sharing their tips & advice to start a career. This course will help you to differentiate between the roles of Data Analysts, Data Scientists, and Data Engineers.

You will familiarize yourself with the data ecosystem, alongside Databases, Data Warehouses, Data Marts, Data Lakes and Data Pipelines. Continue this exciting journey and discover Big Data platforms such as Hadoop, Hive, and Spark.

By the end of this course you’ll be able to understand the fundamentals of the data analysis process including gathering, cleaning, analyzing and sharing data and communicating your insights with the use of visualizations and dashboard tools.

This all comes together in the final project where it will test your knowledge of the course material, and provide a real-world scenario of data analysis tasks.

This course does not require any prior data analysis, spreadsheet, or computer science experience.

Module	Title
1	What is Data Analytics
2	The Data Ecosystem
3	Gathering and Wrangling Data
4	Mining & Visualizing Data and Communicating Results
5	Career Opportunities and Data Analysis in Action