



Data Science

About Data Science

A Deeper Insight into the Data with Analytical, Statistical, Programming and Domain Knowledge is known as a Data science. The Results elucidated from the Data Analyzed with the right programming skill provides a greater insight on how to predict the future business goals with the Data Analyzed with Strategic changes. Predictive analysis using Python Programming, Machine-Learning, Deep Learning, Data Visualization Theory & Natural Language Processing is Data science.

Software Technology Globe (STG) provides an extensive Data Science training with the Industry Experts. At STG, we help you learn the skills required to be successful in a data-driven world. In this course, you will gain domain knowledge, data transformation, understand the usage of algorithm for solving complex business problems, optimization techniques, project execution strategy, data visualization and storytelling. Upon successful completion, you'll have analyzed real-world datasets, created interactive dashboards, and presented reports to share your findings, giving you the confidence and the skills to begin a career as data analyst.

KEY HIGHLIGHTS

- ✚ 100+ hours of Applied learning
- ✚ Live & Collaborative online training sessions
- ✚ Assignments, Case Studies & Projects at end of every module
- ✚ Essential Soft Skills Training
- ✚ Designed for Working Professionals & Fresher's
- ✚ Job Assistance
- ✚ Flexible Schedule
- ✚ Mentor Support



COURSE OVERVIEW

In this program, you will learn the following data science courses along with multiple case studies, assignments and project work.

Program Content:

- Advanced Statistics
- Advanced Excel
- Data Science with Python
- Machine Learning with Python
- Ensemble Learning
- Deep Learning
- SQL
- Data Visualization using Tableau

Advanced Excel

- ✓ Sorting and Filtering Data
- ✓ Mathematical & Statistical Functions and Formulas
- ✓ Data Validation Rules
- ✓ Creating Visualization Charts
- ✓ Conditional Statements using Logical Functions
- ✓ Pivot tables – Grouping , Slice and Timeline
- ✓ Manage Large Sets of Data
- ✓ Data Source to Import and Export External Data
- ✓ Data Lookups – vlookup / hlookup
- ✓ Quick Analysis of Data – Data Models in Excel
- ✓ Working with Templates
- ✓ VBA – Macro / Variable in VBA

Data Science with Python

Basics of Python

- ✓ Basic Data types
- ✓ Operators in Python
- ✓ Conditional statements using if, else and elseif
- ✓ Decision Control Statements: for loop and while loop
- ✓ Advanced Datatypes: List, Tuple and Dictionary

Python Library for Data Science

- ✓ Numpy
- ✓ Pandas
- ✓ Matplotlib

Machine Learning with Python

- ✓ Introduction to Machine Learning.
- ✓ Types of ML.
- ✓ Classical ML Algorithms (Supervised).
- ✓ Linear Regression.
- ✓ Logistic Regression.
- ✓ KNN.
- ✓ Support Vector Machines.
- ✓ Decision Tree.
- ✓ Overfitting, Bias - Variance Tradeoff.
- ✓ Encoding Techniques.
- ✓ Covariance and Correlation.
- ✓ Classical ML Algorithms (Unsupervised).
- ✓ Kmeans Clustering.

Ensemble Learning (ML)

- ✓ Bagging (Random Forest).
- ✓ Boosting (AdaBoost).

Deep Learning

- ✓ Introduction to Deep Learning
- ✓ Artificial Neural Network (ANN)
- ✓ Convolutional Neural Network (CNN)
- ✓ Recurrent Neural Network (RNN)

SQL

- ✓ Introduction to SQL
- ✓ DDL & DML Statement
- ✓ Select Statement
- ✓ Aggregate Functions
- ✓ Where, Order By, Distinct, Group By, Like, And & Or Clause
- ✓ Update & Delete Query
- ✓ Joins
- ✓ Union, Union all, Intersect
- ✓ Using Views & Indexes
- ✓ Sub Queries
- ✓ Null Values & Date Function

Data Visualization using Tableau

- ✓ Introduction and purpose of tableau
- ✓ Install and configure Tableau Desktop
- ✓ Filters , Data blending, Data types and parameters
- ✓ Working with Live or extracted data
- ✓ Tableau Joins and Cross database joins
- ✓ View , Sort , Group and Visualize data
- ✓ Visualize data using Tableau
- ✓ Creating Charts using parameters
- ✓ Creating a Dashboard and story points
- ✓ Working with Marks Card
- ✓ Maps, Layers and Geocoding
- ✓ Tableau Online Publishing Reports

Target Audience

- ✓ Business Analyst
- ✓ Business Intelligence Manager
- ✓ Analyst
- ✓ Data Scientist
- ✓ Project manager

Job Roles

- ✓ Data Analyst
- ✓ Machine Learning Engineer
- ✓ Decision Scientist
- ✓ Data Scientist
- ✓ Data Engineer
- ✓ Product Analyst

Program Delivery Mode

- ✓ Instructor Led Online
- ✓ Instructor Led Classroom
- ✓ Onsite - Customized

Payment Options

- ✓ Cash | Card | UPI | Online Transfer

Project / Assignments – with Hands-On

