

Data Analytics Curriculum

- ✚ Day-1: Introduction to Artificial Intelligence, Data Analytics & Road Map to become a Data Scientist

EXCEL

- ✚ Day-2: Data Preparation - Power Query & Tables
- ✚ Day-3: Data analytics- Formula & Pivot Table
- ✚ Day-4: Story Telling - Charts & Dashboard
- ✚ Day-5: Automation - VBA Macros & Power Query

STATISTICS & PROBABILITY

- ✚ Day-6: Descriptive Statistics - Mean, Mode, Median, Quartile, Range, InterQuartile Range, Standard Deviation
- ✚ Day-7: Probability - Permutations, Combinations
- ✚ Day-8: Population and Sampling
- ✚ Day-9: Probability Distributions - Normal, Binomial and Poisson Distributions
- ✚ Day-10: Hypothesis Testing & ANOVA - One Sample and Two Samples - z Test, t-Test, F Test and Chi-Square Test

BI tools - Tableau

- ✚ Day-11: Connect Tableau to a Variety of Datasets
- ✚ Day-12: Analyze, Blend, Join, and Calculate Data
- ✚ Day-13: Visualize Data in the Form of Various Charts, Plots, and Maps

BI tools - Power BI

- ✚ Day-14: Connect Tableau to a Variety of Datasets
- ✚ Day-15: Visualize Data in the Form of Various Charts, Plots, and Maps and Calculate Data

Python

- ✚ Day-16: Introduction to Python & Installing Python and its Libraries

🚦 Day-17: Basic Python Programming for Data Analytics

Numpy & Pandas

🚦 Day-18: Python Numpy functions

🚦 Day-19: Pandas for Data analytics in Python

Data Visualization

🚦 Day-20: Matplotlib for data visualization

🚦 Day-21: Seaborn for data visualization

Kaggle Exploratory

🚦 Day-22: Kaggle Dataset and Notebooks

Database - SQL

🚦 Day-23: SQL basics for Data analytics - Part-1

🚦 Day-24: SQL basics for Data analytics - Part-2

Database - MongoDB

🚦 Day-25: MongoDB basics for Data analytics

Machine Learning

🚦 Day-26: Introduction to Machine Learning & its libraries

🚦 Day-27: Evaluating and Deploying Machine Learning Classification algorithm for classification of State of Electric power system

Deep Learning

🚦 Day-28: Introduction to Deep Learning & its libraries

🚦 Day-29: Covid-19 Detection using X-Ray Images with CNN

Natural Language Processing

🚦 Day-30: Tag Identification system using NLTK