



DURATION
120 Days



100+ Hours
Live Training



Weekend
Assignments



Daily Practice
Questions



Real-Time
Industry Projects

FEES STRUCTURE

Online : ₹40,000
Offline : ₹50,000

ELIGIBILITY

- Freshers
- Graduates
- Professionals
- Career Switchers
- Anyone Interested in Data Science
- Basic Knowledge of Maths & Statistics (Helpful)

TOOLS & TECHNOLOGIES



SYLLABUS – ARRANGED BY EXPERIENCE LEVEL

PHASE 1

FOUNDATION LEVEL
(0 – 1 YEAR EXPERIENCE)

1. Python for Data Science

- Python Basics, Data Types, Control Structures, Functions, OOPs
- NumPy, Pandas, Data Wrangling
- EDA with Pandas, Profiling
- Data Cleaning, Handling Missing Values, Outliers
- Datetime, Regular Expressions

2. Statistics & Mathematics

- Descriptive Statistics
- Probability Distributions
- Hypothesis Testing
- Correlation & Regression
- Linear Algebra Basics
- Calculus for DS (Basics)

3. Data Visualization

- Matplotlib, Seaborn
- Plotly, Interactive Charts
- Business Dashboards

PHASE 2

INTERMEDIATE LEVEL
(1 – 2 YEARS EXPERIENCE)

4. Exploratory Data Analysis

- Univariate, Bivariate, Multivariate Analysis
- Variable Analysis
- Feature Engineering
- Outlier Detection
- Data Transformation
- Correlation Heatmaps

5. Machine Learning Basics

- Supervised vs Unsupervised Learning
- Train/Test Split, Cross Validation
- Evaluation Metrics
- Overfitting & Underfitting
- Feature Scaling & Encoding

6. Machine Learning Algorithms

- Linear Regression, Logistic Regression
- Decision Trees
- Random Forest
- KNN, Naive Bayes
- SVM
- K-Means Clustering
- PCA

PHASE 3

ADVANCED LEVEL
(2 – 5 YEARS EXPERIENCE)

7. Advanced ML & Model Tuning

- Grid Search, Random Search
- Regularization (L1, L2, ElasticNet)
- XGBoost, LightGBM, CatBoost
- Stacking, Blending
- Model Interpretation (SHAP, LIME)

8. Deep Learning Basics

- Neural Networks
- Activation Functions
- CNN, RNN, LSTM
- Dropout, Batch Normalization
- TensorFlow / Keras Basics

9. Business & Deployment

- Problem Framing
- A/B Testing
- Model Deployment with Flask
- Streamlit Apps
- Monitoring & Maintenance

REAL-TIME PROJECTS

- Sales Analysis Dashboard
- Customer Segmentation
- Churn Prediction
- House Price Prediction
- Credit Card Fraud Detection
- Movie Recommendation System
- Image Classification
- Time Series Forecasting

CAREER OPPORTUNITIES

-  Data Scientist
-  Business Analyst
-  ML Analyst
-  Data Analyst
-  Research Analyst
-  AI Analyst

STUDENT BENEFITS

-  Resume Building
-  Mock Interviews
-  ATS Resume
-  LinkedIn Optimization
-  Career Guidance
-  GitHub Portfolio
-  Interview Preparation

TOOLS & TECHNOLOGIES



LEARN | PRACTICE | BUILD | DEPLOY
From Concepts to Real World Impact



LEARN



PRACTICE



BUILD



DEPLOY

**INTERVIEW &
CAREER
PREPARATION**



300+ SQL
Interview
Questions



200+ Python
Programs



100+ ML / DS
Questions



Resume & LinkedIn
Optimization



GitHub Portfolio
Creation



Mock Interviews
& HR Prep



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