



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 Machine Learning
- Basic Knowledge of Python & Mathematics (Helpful)

TOOLS & TECHNOLOGIES



SYLLABUS – ARRANGED BY EXPERIENCE LEVEL

PHASE 1
FOUNDATION LEVEL
(0 – 1 YEAR EXPERIENCE)

1. Python & Mathematics Refresher

- Python Basics, OOPs
- NumPy, Pandas Basics
- Linear Algebra Basics
- Calculus for ML
- Probability & Statistics

2. Data Handling & Visualization

- Data Collection & Loading
- Data Cleaning
- Exploratory Data Analysis
- Data Visualization with Matplotlib, Seaborn, Plotly

3. Machine Learning Basics

- What is Machine Learning?
- Types of ML
- Train/Test Split, Cross Validation
- Evaluation Metrics
- Bias vs Variance

4. Supervised Learning Basics

- Linear Regression
- Logistic Regression
- k-NN
- Naive Bayes
- Decision Trees

PHASE 2
INTERMEDIATE LEVEL
(1 – 2 YEARS EXPERIENCE)

5. Advanced Algorithms

- Random Forest
- Gradient Boosting
- XGBoost
- LightGBM
- CatBoost
- SVM
- Kernel Tricks

6. Model Evaluation & Tuning

- Confusion Matrix
- Precision, Recall, F1 Score
- ROC AUC
- Grid Search CV
- Randomized Search CV
- Hyperparameter Tuning

7. Unsupervised Learning

- K-Means Clustering
- Hierarchical Clustering
- DBSCAN
- PCA
- t-SNE
- Association Rule Learning

8. Feature Engineering

- Feature Selection Techniques
- Handling Imbalanced Data
- Encoding Techniques
- Outlier Detection & Treatment

PHASE 3
ADVANCED LEVEL
(2 – 5 YEARS EXPERIENCE)

9. Advanced Topics

- Ensemble Techniques
- Stacking, Blending
- Dimensionality Reduction
- Anomaly Detection
- Time Series Forecasting
- Survival Analysis

10. Deep Learning Basics

- Neural Networks
- Activation Functions
- Backpropagation
- Optimization Algorithms
- CNN Basics
- RNN Basics

11. Advanced Deep Learning

- LSTM & GRU
- CNN for Images
- Transfer Learning
- Attention Mechanism
- Autoencoders

12. Model Deployment

- Model Serialization (Pickle, Joblib)
- REST API with Flask
- Dockerizing ML Models
- MLflow Basics
- Monitoring ML Models

REAL-TIME PROJECTS

- House Price Prediction
- Customer Churn Prediction
- Credit Card Fraud Detection
- Sales Forecasting
- Movie Recommendation System
- Image Classification
- Text Classification (NLP)
- Customer Segmentation
- Stock Price Prediction
- End-to-End ML Project

CAREER OPPORTUNITIES

-  Machine Learning Engineer
-  Data Scientist
-  ML Engineer
-  Research Scientist
-  AI Engineer
-  Business Analyst
-  Data 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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