

## Python(Beginner)

Topics

Prints & Variables  
 Inputs and TypeCasting  
 Operators & Libraries  
 Exercises/ Challenges  
 Conditional Statements  
 Complex Conditions  
 List & List Methods  
 Loops - for loops  
 Loops - while loops  
 Exercises/ Challenges  
 Intro: AI, DataScience, Robotics  
 Functions -InDepth  
 Project- Game  
 Project- Game  
 Deployment on Github

**Total Classes: 15 Price: ₹7,500**

## Python(Intermediate)

Topics

Constructing vectors, indexing and slicing  
 Data Structures- Tuples  
 Data Structures- Sets  
  
 Data Structures- Dictionaries  
 Exercises/ Challenges  
 Working with strings  
 Numpy- Arrays & Matrices  
 Exercises/ Challenges  
 Reading/Writing Data  
 Importing Data  
 Pandas- Data Handling  
 Project- English Quiz  
 Deployment on Github  
 Data Plotting- Matplotlib  
 Exercises/ Challenges

**Total Classes: 15 Price: ₹7,500**

**Python(Beg.+Int.) Price: ₹13,500**

## Python(Advanced)

Topics

Classes, Objects & Modules  
 Inheritance & Multiple Inheritance  
 Magic Methods  
 Exercises/ Challenges  
 Turtle  
 Pendulums and Projectile Motion  
 Project - Hospital Management App  
 Tkinter- GUI  
 Sqlite- Adding Database  
 Exercises/ Challenges  
 Building Algorithms  
 Web Development - Basics  
 Web Crawling  
 Project- Chatbot  
 HTML - Basics  
 CSS - Basics  
 JavaScript - Basics  
 Bootstrap - Basics  
 Project - Building a Website  
 Deployment on Github/Heroku

**Total Classes: 20 Price: ₹9,500**

**Python(Beg.+Int.+Adv.) Price: ₹22,500**

## Data Science

Topics

Introduction to Django  
 Urls, Views, Models  
 Creating admin/superuser  
 Designing a web application  
 Deploying WebApp  
 Project- Part 1: Problem to Approach  
 Part 2: From Requirements to Collection  
 Part 3: From Understanding to Preparation  
 Part 4: From Modelling to Evaluation  
 Part 5: From Deployment to Feedback  
 Project Work  
 Foursquare API  
 Neighbourhood segmentation and clustering  
 Time Series Prediction  
 Regression Line  
  
 Moving Average  
 Auto Regression  
 Upsampling & Downsampling  
 Generating Noise

Project - Covid Data Visualisation

**Total Classes: 20 Price: ₹9,500**

**Python(Beg.+ Int.+ Adv. + DataSc.) Price: ₹32,500**

## Machine Learning

Topics

Matrices and Arrays  
 Loading data from different formats  
 Data Wrangling  
 Handling different types of data  
 Dimensionality Reduction  
 Exercises/Challenges  
 Selecting a Model  
 Supervised v/s Unsupervised  
 Regression- Simple and multiple linear  
 Non-linear, polynomial regression.  
 K-NEAREST Neighbors  
  
 Exercises/Challenges  
 Decision tree, Logistic Regression  
 Support Vector Machine  
  
 Clustering, K-Means  
 Hierarchical, Density based clustering,  
 Project - Recommender system  
 Collaborative filtering  
 Waffle charts, word cloud  
 Seaborn and Regression plots  
 Follium- maps with markers  
 Visualising Geospatial Data  
 Project: Analysing economy and making a dashboard.  
 Deployment on Github  
 Model Development and Loading Trained Model  
 Intro to Tensorflow  
 Neural Networks  
 CNNs & RNNs  
 Project: Predicting House Prices

**Total Classes: 30 Price: ₹15,000**

**Python(Beg.+ Int.+ Adv. + DataSc. + ML) Price: ₹46,500**