

**#STAYSAFE**

**#STAYATHOME**



Online Summer Internship  
Training on Machine Learning  
(ML) and Internet of Things (IoT)

## **APPLETON INNOVATIONS**

### **Online Summer Internship Training on Machine Learning**

“Learn Python and most important Machine Learning algorithms to build predictive models. Build more than 10 Machine Learning Projects in this course”

#### **Syllabus**

##### **Module-1: Introduction to Machine Learning**

1. What is Machine Learning
2. Use cases of Machine Learning
3. Types of Data
4. Different types of Machine Learning
5. Python Concepts
  - Sequences and Iteration
  - Booleans and Conditionals
  - Functions & Modules
  - Python Data Structures
  - Overview of OOPs
  - Creating Classes
  - Creating Instance Objects

## **Module-2: Machine Learning tools & packages**

1. What is Machine Learning
  - Numpy
  - Pandas
  - Scikit-learn
2. Introduction to Visualization Tools
  - Introduction to Data Visualization
  - Introduction to Matplotlib
  - Basic Plotting with Matplotlib, Seaborn
3. Pre-processing Data using machine learning tools

## **Module-3: HTTP Requests**

1. HTTP Requests
  - http methods
  - REST API's
  - Requests modules
2. WeatherAPI
  - Using Python requests to access weather data
  - Working with JSON data

## **Module-4 : Introduction to Regression Algorithms**

1. Linear Regression
2. Multiple Linear Regression
3. Polynomial Regression
4. Decision Tree

## **Module-5: Introduction to Classification algorithms**

1. Logistic Regression
2. K-Nearest Neighboring
3. Support Vector Machine
4. Naive-Bayes
5. Decision Tree Classification
6. Random Forest Classification
7. Model Evaluation for classification and regression problems

## **Module-6 : Unsupervised Learning**

1. K-Means Clustering

## **Module-7 : Deploying Machine Learning Model using Flask**

1. Web Application using Flask
2. Deploying ML Model using Flask Framework
3. Project

### **Internship Training Duration:**

- 30 days
- 30+ hours live sessions with industry experts

### **Internship Fee:**

- INR 4500 + GST (Total : INR 5300)
- Mode of payment online

Pay online using the link:

<https://rzp.io//onlineinternship>

10% discount available for early bird registrations. Pay early to avail discount

### **Benefits:**

- Online Instructor Led Training
- Training Completion Certificate
- Internship Letter
- Project Completion Letter

### **For more details, Contact us**

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