

Machine Learning Workshop

Techfest is the annual science and technology festival of IIT Bombay. Following is the basic outline of the workshop that would be happening at **Techfest, IIT Bombay**.

Session 1

Introduction

What Is Machine Learning?

Types of Machine Learning

Installing Python and Anaconda (Windows OS)

Session 2

Python for Machine Learning

Python Basics – Types, Variables, Strings & Expressions

Data Structure – List, Tuple, Dict

Functions with multiple arguments

Library – Import, Understand, Apply

Session 3

Introduction to various libraries of Python

- Numpy
- Pandas
- Matplotlib
- Scikit learn



Session 4

Projects

- **Salary Prediction**
- **House Price Prediction**
- **Working on Image Classification of Digits**
- **Load Datasets from Libraries**

Activity: Working on various datasets (related to above projects).