

Course Description

MACHINE LEARNING USING PYTHON

TOPICS TO BE COVERED

1. INTRODUCTION

- Supervised unsupervised Machine Learning and Reinforcement Learning
- ANN Architecture
- DL Architecture and Framework
- Application areas of DNN

2. COVOLUTION NEURAL NETWORK

- CNN Architecture and Convolution layer
- Handwriting Digital Classification using

3. DEEP LEARNING MODELS WITH TENSOR FLOW & KERAS

- Building Deep Learning Models
- Digital Classifier
- DL for Face Recognition
- Deep Learning for Speech Processing
- Emotion Recognition

Who Should Join

Faculties, Students, and
Industry Professionals

DATA ANALYTICS

TOPICS TO BE COVERED

- Introduction to R Studio
- Data Structure in R
- Loading Data into R
- Working with Packages
- Cleaning of Data and Visualisation
- Probability and statistical parameters from data
- Relationship among variables
- Bayesian Methods
- Time series Analysis of data
- Regression models
- Classification of data
- Clustering analysis
- Neural Network Models
- Evaluating and Improving model performance

ROBOTIC PROCESS AUTOMATION

TOPICS TO BE COVERED

- What is Robotic Process Automation?
- Scopes and Techniques of RPA
- Components of RPARPA platforms
- About UiPath
- Learning UiPath Studio
- Projects using UiPath
- Task Recorder
- Sequence , Flowchart, and Control Fow
- Control Flow, various types of loops, and decision making
- Step by Step example using sequence and flow-chart
- Step by Step example using sequence and Control Flow
- Data Manipulation
- Working with UiExplorer
- Web Scraping