

Course Features

- Learn with Professional trainers who have 8+ years of hand on experience in the same domain.
- Training will be **20% theory and 80% hands-on with Real example.**
- We provide you the best training with real-time project samples and examples.
- Our training syllabus customised to helps fresher and working professionals to learn in depth and also help you to attend an interview with confidence.
- Job Assistance And Placement Support After end of the class
- Course Certificate provided at the end of Course.

Machine Learning using Python Course Content

Introduction to Python: 20hr

- Installation of Python
- Configuration of Python
- Basic of Commands in Python
- Variables
- Data Types
 - Integer
 - Float
 - String
 - Constant
 - Complex
- Data Structures
 - List
 - Tuple
 - Sets
 - Dictionary
 - Arrays
- Python Operators
 - Arithmetic Operators
 - Logical Operators
 - Comparison Operators
 - Bitwise Operators
 - Special Operators
- Python Functions
- Python Class and objects
- Python Basic library
- Python Decision Making statement
 - If
 - If –else
 - Elif
 - Break and Continue
- Python Looping statement
 - For
 - While
- Python OOPS Concepts
- Python File handling
- Python RegEx
- Numpy
 - Numpy arrays
 - Numpy Operations
 - Numpy methods and function
 - Other things in numpy
- Pandas
 - Data Series
 - Data Frames
 - Other things in pandas
- Matplotlib
 - Intro to pyplot
 - Sample plots in Matplotlib
 - Plots
 - Image

Tensor flow 10hr

- Overview of Tensor flow
 - Why Tensor flow?
 - Graphs and Sessions
- Check out Tensor Board
- Operations
 - Basic operations
 - Constants, variables
 - Control dependencies
 - Data pipeline

Basic of Math:

- Basic of Probability and Statistics

- Basic of Linear Algebra
- Basic of Laplace's Transformation

Machine Learning 20hr

- Introduction
 - What is ML?
 - Types of ML
 - Supervise Learning
 - Unsupervised Learning
 - Reinforcement Learning
 - Semi-Supervise Learning
 - Machine learning examples
 - Well defined machine learning problem
- Supervise Learning
 - Regression
 - Linear Model
 - Simple Linear Regression
 - Multiple Linear Regression
 - Logistic Regression
 - Lasso Regression
 - Classification
 - Linear classifiers
 - Fisher's linear discriminant
 - Naive Bayes classifier
 - Support vector machines
 - Least squares support vector machines
 - k-nearest neighbor
 - Random forests
 - Learning vector quantization
 - Decision Tree Learning
 - Machine learning
 - Well defined machine learning problem
 - Decision tree learning
 - Over fitting
 - Random variables, probabilities
 - Review of Probability
 - Bayes rule
 - MLE
 - MAP
- Artificial Neural Networks
 - Introduction to Neural Networks
 - Types Of NN
- Bayesian Learning
 - Conditional independence
 - Multinomial Naive Bayes
 - Gaussian Bayes classifiers
 - Document classification
 - Brain image classification
 - Form of decision surface
- Instance-Based Learning
- Genetic Algorithms
- Learning Sets of Rules
- Principal Components Analysis
 - Independent Component Analysis
 - Canonical Correlation Analysis
 - Fisher's Linear Discriminant.
- Support Vector Machines, Kernel
- HMM (Forward-Backward, Viterbi, EM for Learning), Neural Network
- Reinforcement Learning
 - Markov Decision Processes
 - Q learning
 - Q learning in non-deterministic domains
 - RL as model for learning in animals

Thanks for Choosing Us...

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