

INDUSTRIAL TRAINING
PYTHON+ Data Science+ML

Duration: 45 Hours

0731-4069788,7805063968

<p>PYTHON Data Science</p> <p>INDUSTRIAL TRAINING</p>	<p>PYTHON</p> <ul style="list-style-type: none">❖ History, Features, Setting up path, Working with Python, Basic Syntax, Variable and Data Types, Operator.❖ Conditional Statements, Loop, Break, Continue, Pass❖ String Manipulation❖ LIST, Tuple, Dictionary, Set❖ Functions❖ File handling❖ Exception handling❖ OOPS Concept in Python❖ Module in Python❖ Multithreading, <p>Data Science</p> <ul style="list-style-type: none">❖ Introduction to Data Science, Component of Data Science❖ Type of Data Science❖ Numpy, scipy, pandas, scikitlearn, statmodels, nltk❖ Image processing with scipy, Gradient evaluation, Constant package❖ Accessing, Importing and exporting data using python modules❖ Data manipulation (Cleansing, Sorting, Filtering, merging, normalizing, Formatting)❖ Data Analysis (Descriptive statistics)❖ Process of Data Analysis❖ Interpolation in Scipy❖ Python Matplotlib library in details❖ Data Visualization (Chart, Box, Plots, Heat Maps, Scatter, 3d-Charts)❖ Machine learning in Data Science❖ Application of Data Science❖ Project Implementation using Data Science <p>Machine Learning</p> <ul style="list-style-type: none">❖ Introduction to ML, Component of ML❖ Data Loading for ML❖ Methods of ML (Supervised, Unsupervised, Semi-supervised, Reinforcement)❖ Data Features Selection❖ Classification (Logistic Regression, SVM, Decision Tree, Native Bayes, Random Forest)❖ Regression (Linear)❖ Clustering (K-Means, Mean shift, Hierarchical Clustering)❖ KNN Algorithm❖ Data Visualization with ML❖ Application of ML❖ Project Implementation using Data Science <p>Database and SDLC</p> <ul style="list-style-type: none">❖ Project repository, Data File, CSV, Excel, Data Bank❖ SDLC, E-R Diagram, DFD, CLASS Diagram, Use Case Diagram, SRS, Synopsys, Project Report
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