

**INDUSTRIAL TRAINING**  
**PYTHON+ Data Science**

Duration: 45 Hours

0731-4069788,7805063968

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