



VISSICOMP TECHNOLOGY PVT.LTD.

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ADVANCED PYTHON SYLLABUS

- **Introduction to Python (next level) :**
 - Overview of Object-Oriented Programming (OOP)
 - Reading and writing files
 - Regular Expressions
 - Multithreaded Programming
 - Creating GUI Forms
 - Widgets
 - Layout Management
 - Introduction to MySQL and connecting Python to MySQL
- Data Structures : lists,stack and queues
- Data visualization using matplotlib and seaborn
 - Line plot, bar diagrams, pie charts, scatter plot
- NumPy & 2D Plotting Library:Introduction to NumPy and 2D plotting. The NumPy package is presented as a tool for rapidly manipulating and processing large data sets. 2D plotting is introduced with matplotlib.
 - Understanding the N-dimensional data structure
 - Creating arrays
 - Indexing arrays by slicing or more generally with indices or masks

The Python Data Analysis Library (Pandas) is a powerful and convenient package

- Tabular Datasets
 - Data Aggregation & Data Exploration
 - Labelling data for each dimension
- Basic operations and manipulations on N-dimensional arrays

Fees:- 11000/- + GST