Short Term Training

Course Name	:	**Advanced Pyhotn Programming**
Duration	:	6 Weeks/60 Hrs. (Theory: 24 Hrs. & Practical: 36 Hrs.)
Prerequisite	:	10+2 with knowledge of mathematical aptitude
Eligibility Criteria	:	10+2

Objective : The course is designed to provide Basic knowledge of Python. Python programming is intended for software engineers, system analysts, program managers and user support personnel who wish to learn the Python programming language.

Topics/Units :

1. Basics of Python Programming
2. Installation of Python and its Programming Environment
3. Data Types, Variables – Mutable, Immutable
4. Operators in python
5. Conditional Statements
6. Looping Structures
7. Working with strings
8. Sequence Data Types
9. Data indexing and selection
10. Functions in python programming
11. Scope and modules
12. Computation on Arrays
13. Introduction to Numpy
14. File Processing
15. Python OOPS concepts
16. Graphical user interface for python programming
17. Visualization with MatPlotLib
18. Introduction to pandas
19. Python SQLite

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