**Python Course Details**

**Syllabus:**

* **Getting Started:**
  + What is Python?
  + Comparison of Python with other languages o Salient feature of Python
  + Execution model of Python o User Domains for Python
  + Industries using Python
  + Job Trends
* **Introduction:**
  + Installing Python
  + Python Installer
  + Python 2.7 v/s Python 3.5 o Anaconda
  + Indentation in Python o Editors

1. Data Types and Variables
2. Numbers
3. Comments in Python
4. Strings
5. List
6. List and String
7. Tuple
8. List and Tuple
9. Problem Discussion and Interview Questions Discussion on the topics Numbers, String, List and Tuple
10. Set
11. Comparison of List, Tuple and Set
12. Dictionary
13. Comparison of List, Tuple and Set
14. Problem Discussion and Interview Questions Discussion on the topics List, Tuple, Set and Dictionary
15. Assignment 1 Based on Real time Problem
16. Quiz based on Interview Question discussed.
17. Control Structure
18. Looping
19. Basic Functions
20. Advance Functions continued
21. Problem Discussion and Interview Questions Discussion on the topics Conditional Statement, Function
22. Assignment 2 Based on Real time Problem
23. Basic I/O
24. File handling
25. Problem Discussion and Interview Questions Discussion on the topics I/O, File Handling
26. Assignment 3 Based on Real time Problem
27. OOPS Concept
28. OOPS Implementation
29. Modules
30. Problem Discussion and Interview Questions Discussion on the topics Modules, Exception Handling, Classes
31. Assignment 4 Based on Real time Problem
32. Advance Concept on Data Structures
33. Lamda Function
34. Regular expression
35. Logging in Python
36. Multithreading in Python
37. Unit testing in Python
38. Numpy
39. Pandas
40. Command Line Argument
41. Standard Modules
42. Mini Project Discussion Based on Real Time Problem