

## Programming through Python

### Objective of the Course:

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.

### Learning Outcomes:

Problem solving and programming capability.

**Duration of the Course** 60 hours

**Minimum Eligibility Criteria:** Basic Knowledge of Computer

### Outline of Course

S. No	Topic	Hours
1.	Introduction	2hrs
2.	Conditional Statements, Looping, Control Statements	6hrs
3.	String Manipulation	3hrs
4.	Collections(Lists, Tuples, Dictionaries)	10hrs
5.	Functions	4hrs
6.	Modules/Packages	5hrs
7.	Input-Output	5hrs
8.	Exception Handling	5hrs
9.	OOPs concept	5hrs
10.	Regular expressions	5hrs
11.	Database	5hrs
12.	Introduction to GUI Programming	5hrs
	<b>Theory / Lecture Hours</b>	30 hrs
	<b>Practical / Tutorial / Lecture Hours</b>	30 hrs
	<b>Total Hours</b>	60 hrs