

Short Term Courses – NIELIT Delhi Centre

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 hrs
(in hours)

Minimum Eligibility Criteria : Basic Knowledge of Computer
and Prerequisite, if any

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.	GUI Programming	5hrs
	Theory / Lecture Hours	30 hrs
	Practical / Tutorial / Lecture Hours	30 hrs
	Total Hours	60 hrs

Books Recommended for Reading and Reference:

1. Python-(Mark Lutz)
2. Python Training guide (BPB Publications)