OMTECH COMPUTER SOCIETY
BAHERI
(An ISO 9001:2015 certified Organization)

Online Course Prospectus

Programming in Python

Course Description

The course leads the students from the basics of writing and running Python scripts to more advanced features such as file operations,regular expressions, working with binary data, and using the extensive functionality of Python modules. Extra emphasis is placed on features unique to Python, such as tuples, array slices, and output formatting.

Who can attend?

Anyone who is interested to build their career in Python Programming, including:
- Beginners
- Professionals looking to upgrade their knowledge and expertise in this area.
- Students who wish to pursue a career in Python Programming.

Course Content

- Introduction to Python
  1. History of Python
  2. Python Installation, Identifier Indentation,
  3. variables and Operators
- Conditional Statements, Looping, Control Statements
  1. If Statements
  2. for and while loops
  3. continue and break Statements
- String Manipulation
  1. String
  2. Build-in-methods
- Collections
  1. Lists, Tuples
  2. Set, Dictionary
- Functions
  1. Function Definition, Calling Function
  2. Function Arguments, Anonymous Function
- Modules/Packages
  1. Pre-define
  2. User define
- Input-Output
  1. Input function
  2. File object Attributes
  3. Directories in Python
- Classes and Object
  1. Class
  2. object
  3. Inheritance
- Database Connectivity
- File Handling
  1. Python Read Files
  2. Python Write/Create Files
  3. Python Delete Files
- Python RegEx
- GUI Programming
  1. Tkinter Programming

- ◆ NumPy
  1.Introduction to Numpy
  2.Numpy Array
- ➔ Mini Project
- ➔ Mejar Project

Prerequisite
Basic Computer Knowledge.
Duration
5 Weeks
Preferable Requirements
- A computer with an internet connection and download privileges.
- Student must latest computer/laptop with preferably 4 GB RAM or higher
- Software: Python (can be downloaded from official website – https://python.org)

Terms and Conditions
- In case, any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated

Course Coordinator
Ms.Nuzat Bi
8770492365,Email omtechbly@gmail.com

Faculty Profile
Raman Goyal, BCA and 5 years Experience in field of Python Programming

Address
Omtech computer society 1 and 2nd Floor, Indian Bank Baheri Bareilly U.P. 243201 Mobile: +91-9634809460 (Call & Whatsapp)