



Certification in Advance Python Programming Language

Syllabus

Duration: 60 Hours

1. OOPs concept

- **Class and object**
- **Attributes**
- **Inheritance**
- **Overloading**
- **Overriding**
- **Data hiding**

2. Regular expressions

- **Match function**
- **Search function**
- **Matching VS Searching**
- **Modifiers**
- **Patterns**

3. CGI

- **Introduction**
- **Architecture**
- **CGI environment variable**
- **GET and POST methods**
- **Cookies**
- **File upload**

4. Database

- **Introduction**
- **Connections**
- **Executing queries**
- **Transactions**
- **Handling error**

5. Networking

- **Socket**
- **Socket Module**
- **Methods**
- **Client and server**





- Internet modules

6. Multithreading

- Thread
- Starting a thread
- Threading module
- Synchronizing threads
- Multithreaded Priority Queue

7. GUI Programming

- Introduction
- Tkinter programming
- Tkinter widgets

8. Sending email

9. HTML

- Introduction to HTML
- HTML Tags
- Creating Forms
- Creating tables
- Managing home page

10.CSS

- Introduction to CSS
- Three ways to use CSS
- CSS Properties
- Designing website
- Working with Templates

11.JAVA SCRIPT

- Introduction to Javascript
- Three ways to use Javascript
- Working with events
- Client-side Validation

12.Major Project Work

13.Placement Assistance Sessions

- Mock Interviews
- GDs
- Preplacement Talks





- Industry Exposer Sessions

14. Internship

