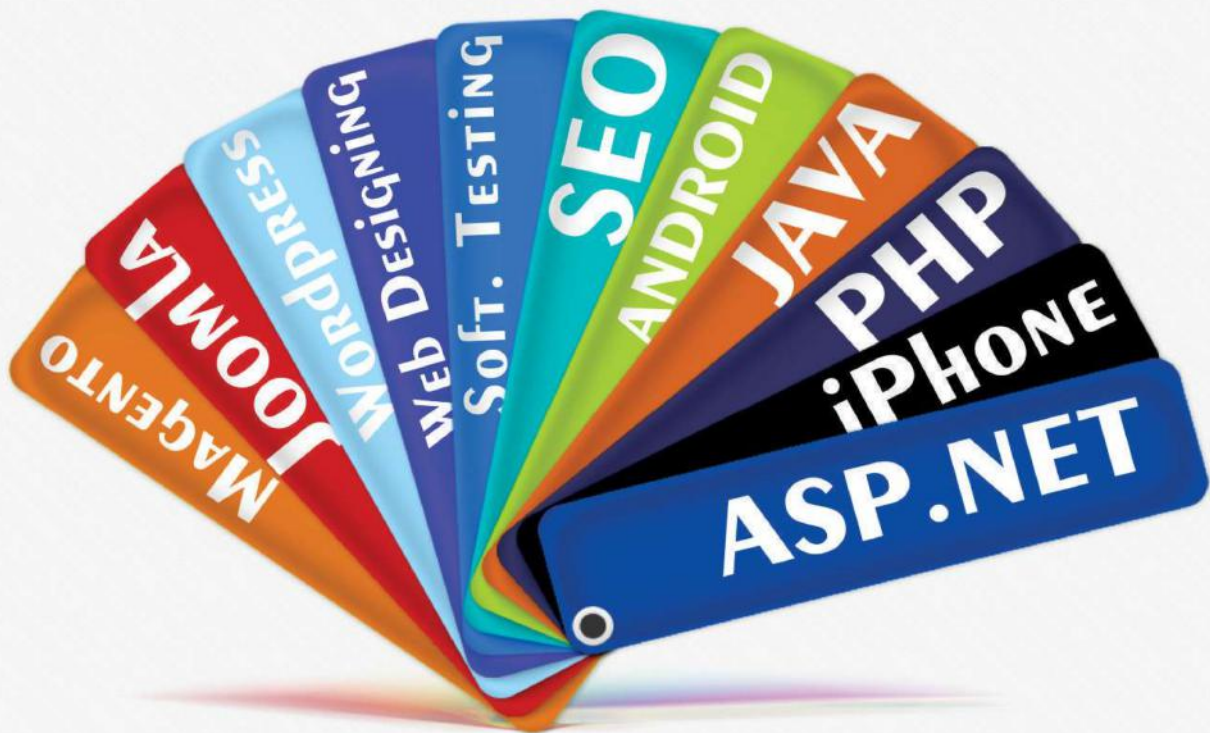


TOPS

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PYTHON

OTHER COURSES OFFERED

- PHP - .NET - JAVA - C,C++
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CODEIGNITER - STRUTS - HIBERNATE

Programming With Python - Online

↶ PRE-REQUISITE

- ⊙ **C, C++ Programming**
- ⊙ **SQL**

MODULE 1 [Core Python Concepts]

- Introduction of Python
- Programming Style
- Conditional Statements
- If, If- else, Nested if-else
- Looping, For, While, Nested loops
- Control Statements, Break, Continue, Pass
- String Manipulation
- Accessing Strings
- Basic Operations
- String slices
- Function and Methods

MODULE 2 [Collections]

- List
 - Introduction
 - Accessing list
 - Operations
 - Working with lists
 - Function and Methods
- Tuple
 - Introduction
 - Accessing tuples
 - Operations
 - Working
 - Functions and Methods
- Dictionaries
 - Introduction
 - Accessing values in dictionaries
 - Working with dictionaries
 - Properties
 - Functions

MODULE 3 [Functions]

- Defining a function
- Calling a function
- Types of functions
- Function Arguments
- Anonymous functions
- Global and local variables

MODULE 3 [Modules]

- Importing module
- Math module
- Random module
- Packages
- Composition

MODULE 5 [Input-Output]

- Printing on screen
- Reading data from keyboard
- Opening and closing file
- Reading and writing files
- Functions

MODULE 6 [Exception Handling]

- Exception
- Exception Handling
- Except clause
- Try ? finally clause
- User Defined Exceptions

MODULE 7 [OOps concept]

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

MODULE 8 [Regular expressions]

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

MODULE 9 [CGI]

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

MODULE 10 [Networking]

- Socket
- Socket Module
- Methods
- Client and server
- Internet modules

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MODULE 11 [Multithreading]

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

MODULE 12 [GUI Programming]

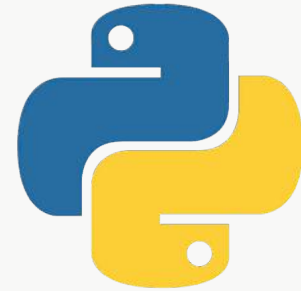
- Introduction
- Tkinter programming
- Tkinter widgets
- Designing
- HTML
- CSS
- JavaScript
- Ajax

MODULE 13 [Database]

- Introduction
- Connection Steps
- Executing queries
- Transactions
- Handling error
- CRUD Operation Using Tkinter with MVC Pattern.

MODULE 14 [Django Framework]

- Introduction
- Environment Setup
- Creating App
- Admin Panel
- URL Pattern
- Django ORM
- WebApp Development



python



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