

Syllabus of Python

CONSOLE APPLICATION

- Python Introduction
 - Introduction
 - History of Python
 - Features of Python
 - Python Versions
 - Application Development in Python
 - Python Installation
- Running Python Program
 - Using DOS (Command Prompt)
 - Using IDE (Integrated Development Environment)
- Console Application
 - Instruction
 - Type Declaration Instruction
 - Arithmetic Instruction
 - Input / Output Instruction
 - Control Instruction
 - Decision Making Instruction
 - Loop Control Instruction
 - Functions
 - Modules
 - User Defined Module
 - Predefined Module

- Collection Module
 - Math Module
 - OS Module
 - Random Module
 - Statistic Module
 - Sys Module
- String Handling
 - String Literal
 - String Functions
- Date Handling
- Python Collection
 - List
 - Tuple
 - Set
 - Dictionary
- Exception Handling
- Regular Expression
- File Handling
- Object Oriented Programming(OOPS)
 - Object & Classes
 - Encapsulation
 - Abstraction
 - Inheritance
 - Polymorphism

WINDOW APPLICATION

- TKinter(GUI)
 - TKinter Introduction

- TKiner Layout
 - TKinter Widgets
 - Turtle
- SQL
- Database Connectivity
 - Using MY SQL
 - Using SQLite
- Making Notepad
- Graphics Programming
- Media Programming
- Making Game and Animation
- Project
- Setup and Deployment

WEB APPLICATION

- HTML
 - Introduction to HTML
 - HTML Tag
 - Playing Video in HTML
 - Webpage Design
- Cascading Style Sheet(CSS)
 - Introduction
 - Inlie CSS
 - Internal CSS
 - External CSS
- Bootstrap

- Coral Draw/Photoshop/Coral R.A.V.E.
- Javascript
 - Introduction
 - Basic Syntax
 - Validation
 - Regular Expression
- Python CGI
 - CGI Introduction
 - CGI Architecture
 - GET & POST Methods
 - Cookies
 - File Upload
- Backend Tool
 - MY-SQL
- Database Connectivity
 - Database Concept
 - Database Manipulation
 - Transactions
- Advanced Concept
 - Sending Mail
 - Error Handling
 - Chat Using Ajax
 - Security
- JQuery
- Ajax Programming
- Website Development & Deployment