



Name of Course: Certificate Course of Advance Concepts in Python

Provided by: Ramakrishna Sarada Mission Vivekananda Vidyabhavan

Duration: Total 30 Hours-spread across 2 months comprising a total of 15 sessions (2 hours per session)

Who can join the Course: Any Student with a 10+2 pass certificate from a recognized Board. The course is for Female students only.

Course Fee: - 1,500/-

Date of Commencement: 21stApril, 2023

Classes will be held on: Friday from 4pm to 6pm

Mode: offline mode

Course Overview:-

Python is a high-level, interpreted, interactive and object-oriented scripting language. Python is designed to be highly readable. It uses English keywords frequently where as other languages use punctuation, and it has fewer syntactical constructions than other languages.

Course Objective:-

- Build basic programs using fundamental programming constructs like variables, conditional logic, looping, and functions
- Work with user input to create fun and interactive programs
- Create simple games with images, animations, and audio using our custom beginner-friendly programming library, Wizardlib

Key Benefits:-

- Python supports functional and structured programming methods as well as OOP.
- It can be used as a scripting language or can be compiled to byte-code for building large applications.
- It provides very high-level dynamic data types and supports dynamic type checking.
- It supports automatic garbage collection.

Learning Outcomes:-

Python can open new possibilities for those in less data-heavy professions, like journalists, small business owners, or social media marketers. Python can also enable non-programmers to simplify certain tasks in their lives.

Here are just a few of the tasks you could automate with Python:

- Keep track of stock market or crypto prices
- Send yourself a text reminder to carry an umbrella anytime it's raining
- Update your grocery shopping list
- Renaming large batches of files
- Converting text files to spreadsheets
- Randomly assign chores to family members
- Fill out online forms automatically

Career Benefits:-

- Data analysis and machine learning
- Web development
- Automation or scripting
- Software testing and prototyping