



Module PMRF- Hands-on Introduction to Python Programming

Name of the PMRF student

Shubham Keshri

Required background of the students taught

Bachelors and Masters students of any field, interested in Python Programming.

Prerequisites: None

Online session coordinator

Will be chosen from the list of registrants



Details of the content of the module

This comprehensive course is designed to provide you with a solid foundation in Python programming. Whether you're completely new to programming or have some experience, this course will equip you with the skills to write and understand Python code.

Topics include:

- Introduction to Python: Python Basics, Variables, Data Types, and Operations.
- Control Structures: Conditional Statements, Loops.
- Functions and Modules: Introduction to Functions, Modular Programming, Lambda Functions.
- Data Structures: Lists, Tuples, Dictionaries and Sets.
- Object-Oriented Programming (OOP) Basics: Introduction to OOP, Inheritance and Polymorphism.
- File Handling and Error Handling.
- Introduction to Libraries: NumPy, Pandas, Matplotlib, Introduction to Data Analysis with Pandas.

Schedule of the module

Start date: 23/09/2023

End date: 26/11/2023

Timings: Saturday and Sunday, 6 – 8 PM. (4 hrs/week)

Class Timing and Timeline is Tentative and may change if required

Last date of registration: 21/09/2023

Meeting link : Will be shared later

Contact email ID: issforum@gmail.com

Registration link:

<https://forms.gle/Zube2QNbZsDpzePD7>