



Seven Days Online Training Programme
on



Python
Training

Organised by the
Centre for Professional Development
South Asian Institute for Advanced Research & Development (SAIARD)

On & From
15th – 21st November, 2020

What is Python?

Python is a popular general purpose programming language used for both large and small-scale applications. Those who complete this 9-week **python training** program will have learned the foundational principles required to write more advanced data analysis and machine learning **Python** script. It is a language that is remarkably easy to learn, and it can be used as a stepping stone into other programming languages and frameworks. If you're an absolute beginner and this is your first time working with any type of coding language, that's something you definitely want. Python is widely used, including by a number of big companies like Google, Pinterest, Instagram, Disney, Yahoo!, Nokia, IBM, and many others. The Raspberry Pi - which is a mini computer and DIY lover's dream - relies on Python as its main programming language too.

COURSE CONTENTS

1. Python Basics

Literals
Python Comments
Data Types
Variables
Python Module

2. Functions and Modules

Defining Functions
Variable Scope
Global Variables
Function Parameters

3. Math Package

Arithmetic Operators
Modulus and Floor
Division
Assignment Operators
Built-in Math Functions
The math Module
The random Module
Seeding

4. Python Strings

Quotation Marks and Special Characters
String Indexing
Slicing Strings
Concatenation & Repetition
Common String Methods
String Formatting
Built-in String Functions

5. Iterables: Sequences, Dictionaries, and Sets

Definitions
Sequences
Unpacking Sequences
Dictionaries
The len() Function
Sets *args and **kwargs

6. Flow Control

Conditional Statements
The is and is not Operators
Python's Ternary Operator
Loops in Python

7. Exception Handling

Wildcard except Clauses
Getting Information on Exceptions
The else Clause
The finally Clause
Using Exceptions for Flow Control
Exception Hierarchy

8. Regular Expressions

RE Objects
Pattern matching
Parsing data
Sub expressions
Complex substitutions

9. Python Classes and OOps

defining classes
Constructors
Instance methods
Instance data
Class methods and data
Destructors

10. Python Libraries

11. Basics of Data Science

Live Projects
Study Materials
Hands-on Practice

Eligibility: **Open**

Registration Fees: **Rs. 800/-**

Class Timing: **6:00 to 8:00 p.m.**

Website: **www.saiard.co.in**

Registration Link

bit.ly/37X7r5S

More Details

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E-Certificate

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