

DATE: 13/11/2020

Course Coordinator

1. Prof. Simran Singhani

Course Assistant:

- 1. Prof. Nilambari Narkar**
- 2. Mr. Ajit Dhanawade**
- 3. Mr. Rimson Saviour**

Date & Place:

Online using Zoom

**12th October 2020 to
1st November 2020**

**Xavier Institute of
Engineering**

Department:

**Computer Engineering,
Information Technology
&
Electronics &
Telecommunication**

A three weeks workshop was organized for S.E. (COMPS, EXTC & IT) on “*Python*”. Sessions were delivered by Prof Teena Varma (COMPS), Prof. Simran Singhani & Prof. Amit Narote (IT), Prof. Lalita Moharkar & Prof. Madhura Shirodkar (EXTC). Miniproject was guided by Prof. Kunal Meher (COMPS).

The workshop was conducted using Zoom from 12th October 2020 to 1st November 2020 and was coordinated by Prof. Simran Singhani (IT) and assisted by Prof. Nilambari Narkar, Mr. Ajit Dhanawade (COMPS) & Mr. Rimson Saviour (IT).

Total 149 students attended the workshop and the objective of the workshop was to provide an insight to the second year students about programming language: Python.

The speakers shared their views on ‘Python Building Blocks, Looping, Data Structure in Python, Inheritance, Overview of Object Oriented Programming, Functions, Exceptional Handling, File Handling & Graphical User Interface.

The students were quite astonished for learning new programming language python. Overall, the sessions were interesting and motivating for students to study python.

Student Feedback and Benefits: The students found the session very informative, helpful and excellent. It was a knowledge gaining session about python.

Ms. Simran Singhani
Assistant Professor
I.T Dept.

Dr. Y. D. Venkatesh
Principal

PYTHON FOR BIGGINERS Session II

LOOPING IN PYTHON
PROF. LAJITA MOHARKAR

TYPES OF DATA STRUCTURES IN PYTHON

- LIST
- TUPLES
- DICTIONARY
- SETS
- ARRAYS
- STRINGS

INSTANCE METHOD

- ▶ Methods are functions defined inside the body of a class. They are used to define the behaviors of an object.
- ▶ These are called instance methods because they are called on an instance object.
- ▶ Methods have only one specific difference from ordinary functions - they must have an extra first name that has to be added to the beginning of the parameter list, but you do not give a value for this parameter when you call the method, Python will provide it.
- ▶ This particular variable refers to the object itself, and by convention, it is given the name `self`.

MULTILEVEL INHERITANCE

- ▶ Multilevel inheritance is also possible in Python like other Object Oriented programming languages.
- ▶ We can inherit a derived class from another derived class, this process is known as multilevel inheritance.
- ▶ In Python, multilevel inheritance can be done at any depth.
- ▶ The child class acts a parent class for another child class.



What is PyQt?

- **PyQt** is a python binding of the open-source widget-toolkit Qt.
- functions as a cross-platform application development framework.
- Qt is a popular C++ framework for writing GUI applications for all major desktop, mobile, and embedded platforms.