# In-House Skill Development Activity: PYTHON PROGRAMMING WORKSHOP

1st, 2nd & 5th February 2018

## Insights on the Workshop

## Introduction

The Techpioneers, Computer Science Society of Aryabhatta College, University of Delhi had arranged a 3 days workshop on Python Programming in February-2018 in the New Lab of the College.

The workshop aimed to provide hands-on experience in Python Programming Language. Around 30 students from I and II year of B.Sc.(Hons.) Computer Science participated in this workshop. The resource persons for this workshop were Ishant Malik and Yash Sharma, undergraduate students of department. The workshop as actively supported by Aman Saini and Akanksha Shukhramani, (undergraduate students of the department) giving a hands-on session.

## Objective of the workshop

The main objective of this Python workshop was to introduce the audience with the beauty of Python programming language and motivate the students to enhance their programming skills. The workshop further aimed to increase the interest of the participants in other fields of computer science like web development, app development or any general purpose applications.

## Prerequisites

Students should have prior knowledge of a programming language.

## Target Audience

This workshop was for 1$^{st}$ and 2$^{nd}$ year students of B. Sc. (H) Computer Science Department, Aryabhatta College.

Further sessions would be organized for other interested students of the college (and outside the college).

## The Workshop

**During the workshop the students learnt:**

- How to install python into your system.
- The basics of python like identifiers, data types and more.
- How to execute python script from terminal.
- How to automate boring stuff with python like web-scraping.
- To be able to understand more advanced modules.

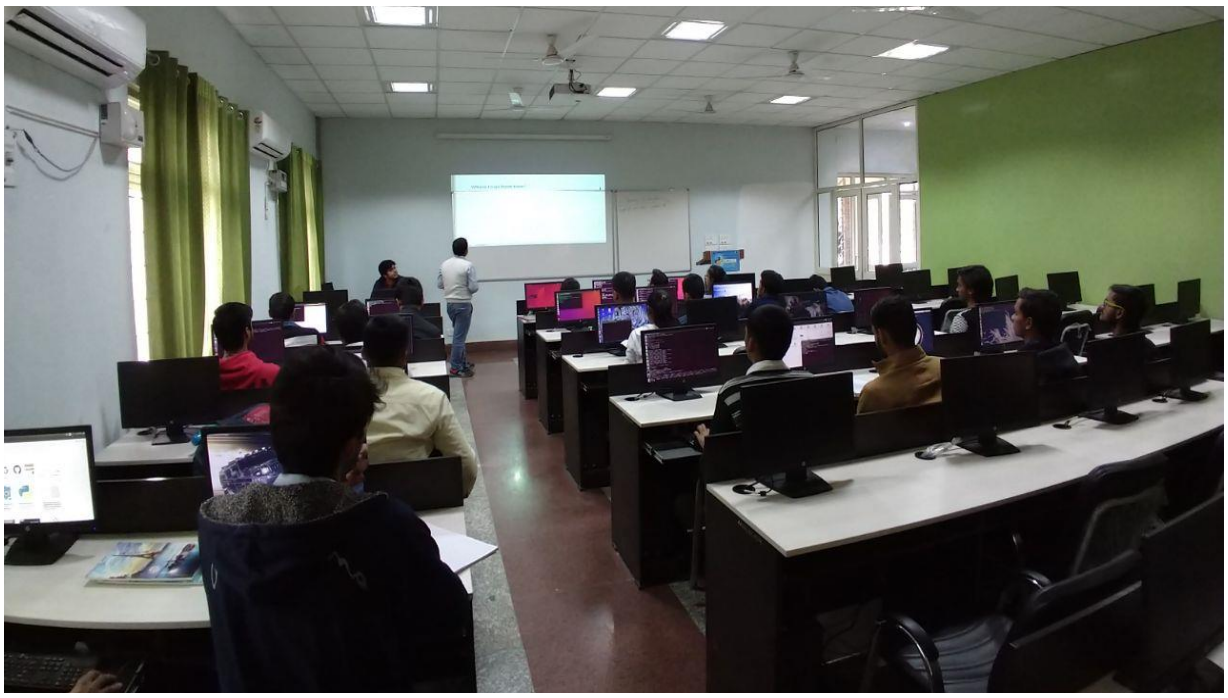
**The training consisted of the following nine modules conducted in a span of three sessions, of 1½ hour each:**

- Python Overview, Installation and Basic Syntax
- Variables & Data Types
- Loops and Condition Statements
- Lists, Tuples & Dictionary
- Functions
- OOPs
- Modules
- File I/O
- Automate Boring Stuff with Python

A ten minute quiz was conducted at the end of 2nd and 3rd day. Each quiz contained five questions related to the topics discussed. The winners were awarded with a token for each correct answer.

The workshop concluded by facilitating the resource persons and their support team with tokens of appreciation.

All participants filled a feedback form. The found the workshop very useful. They were happy with the pace with which the topics were covered. Being a hand- on workshop, it imparted effective learning.

The students enjoyed a scrumptious snack on the last day.

## SOME CLIPS FROM THE WORKSHOP