

# Short Term Course on Python Programming & Anaconda Platform

(22 October-24 October, 2019)



Organized By



*e-Pingala*

**Department of Computer Science & Engineering  
School of Engineering, BBD University, Lucknow**

## Objective of the Course

Developing programming skills in the students plays vital role in imparting quality technical education. The objective of the course is to provide comprehensive understanding of the fundamentals of the Python Programming. In this course hands on experience of live programming and project development will be demonstrated. The introduction of this course is a step ahead towards the direction which will lead to be a quality improvement course for Computer Science Engineers.

## About Python & Anaconda Platform

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together. Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed.

Anaconda is a free and open-source distribution of the Python and R programming languages for scientific computing such as data science, machine learning applications, large-scale data processing, predictive analytics, etc., that aims to simplify package management and deployment. The Anaconda distribution is used by over 15 million users and includes more than 1500 popular data-science packages suitable for Windows, Linux, and MacOS.

## Course Content

### Day-1

Python-Overview, Environment Setup, Basic Syntax, Variable Types, Basic Operators, Decision Making

### Day-2

Loops, Numbers, Strings, Lists, Tuples

### Day-3

Dictionary, Date & Time, Functions, Modules, Anaconda Overview

## Registration Fees

There is no registration fee for the course.

## Venue & Timing

Room No. 514, BBD University (02:00 PM to 05:00 PM)

## Course Instructor

**Dr. Praveen Kumar Shukla**

Professor & Head, CSE, School of Engineering, BBD University, Lucknow

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