

Guru Nanak Dev Engineering College, Ludhiana

Department of Information Technology

Outcomes of training program “Programming Concepts using Python” under the sponsorship of TEQIP-III

The training program “Programming Concepts using Python” from 12.06.2019 to 26.06.2019 during the Training-1 (TR-101) of B.Tech (IT) 1st year covered both basic and advanced concepts of Python like writing python scripts, sequence and file operations, object-oriented concepts, database connectivity and Graphical User Interface (GUI) Development. This training program has been conducted by the experts from the **Auribises Technologies Pvt. Ltd., Ludhiana** in collaboration with the faculty members of our department under the sponsorship of TEQIP-III project.

Python has been one of the premier, flexible, and powerful open-source languages that are easy to learn, easy to use, and has powerful libraries for data manipulation and analysis. For over a decade, Python has been used in scientific computing and highly quantitative domains such as finance, oil and gas, physics, and signal processing. As of today, it is the most preferred language for Artificial Intelligence, Robotics, Web Development and DevOps. On this journey, some of the important and widely used Python libraries like pandas, numpy, matplotlib were also covered for Data Analysis.

During this training, three faculty member of our department have been trained on Programming with Python by the the experts from Auribises Technologies Pvt. Ltd, Ludhiana. The completion certificates to all the three faculty members have been awarded by the company. The name of the faculty members are:

1. Prof. Praminder Kaur Wadhwa
2. Prof. Harpreet Kaur
3. Prof. Mohanjit Kaur Kang

This will be beneficial to our students while they will develop minor projects, major projects as well as whenever they undergo industrial training in a company or an organization. After completing this training program, students are able to:

1. Understand latest computer and software terms pertaining to the IT industry.
2. Exposure of Number Systems and Memory Addressing.
3. Write Python Scripts.
4. Create Functions to support modular programming.
5. Use Object oriented concepts effectively to solve real world problems.
6. Handle File Input and Output Concepts.
7. Design GUI Based Applications in Python.
8. Make Data Visualization with Matplotlib library.
9. Utilize MySQL DataBase with GUI.
10. Analyze the Data with Pandas.
11. Develop and deploy the Projects based on Python.


HOD (IT)