



Workshop / Seminar



Python

Why Python

Companies such as Google, Yahoo!, Disney, Nokia, and IBM all use Python. In fact, among programming languages, Python had the largest year-on-year job demand growth — at 19% — as of March 2013. Notably, the overall hiring demand for IT professionals dipped year over year by 5% as of January 2014, except for Python programmers which increased by 8.7%. In New York, Python developers ranked #8 of the most in-demand tech workers, making an average of \$106k/year. On the other side of the Atlantic, Python programmers also enjoy a strongly rising demand for their skills as shown by the following graph.

Python Jobs Demand Trend

This chart provides the 3-month moving total of permanent IT jobs citing Python within the UK as a proportion of the total demand within the Programming Languages category.



Target Audience:

This session will be focused on CSE/IT/BCA/MCA students.

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2776 , Sector 46, Behind Amity International School, Gurgaon

The trainer for the job would:

Manish V. is a freelance consultant and trainer based in Gurgaon, Haryana. He has done his engineering from one of the finest engineering colleges of India. He is an avid Python user and is proficient in several other programming languages too. He conducts trainings and workshops for the latest and upcoming technologies he is familiar with keeping in mind the popularity and current demands of the industry.

He has been working as a consultant for the last 16 years. During this time, he has worked on several projects for clients in the US & UK. He works on niche projects which has presented him with several opportunities to work on interesting things and enabled him to simultaneously expand his knowledge. He likes to spend his free time in reading and exploring the new trends and developments in the tech industry.

Proposed schedule for the workshop:

DAY 1

- ✚ Overview
- ✚ Introducing Python
- ✚ Installation
- ✚ Meeting the interpreter
- ✚ Employing variables
- ✚ Obtaining user input
- ✚ Performing operations
- ✚ Doing arithmetic
- ✚ Assigning values
- ✚ Comparing values
- ✚ Assessing logic
- ✚ Examining conditions

- ✚ Data types
- ✚ Making statements
- ✚ Writing lists
- ✚ Manipulating lists
- ✚ Restricting lists
- ✚ Branching with if
- ✚ Looping while true
- ✚ Looping over items,
- ✚ Breaking out of loops,
- ✚ Defining functions,
- ✚ Importing modules,
- ✚ Writing first program in python

DAY 2

- ✚ Hands – on - project

Software: We shall get the software which will be installed by the students themselves.

Operating system: Windows

Other requirements: collar mike, projector, lab

Cost involved: Rs 1000 per student.

Minimum strength: 30 students.

We may accommodate 60 students and may run the practical in 2 labs in parallel.