



**FOUNDATION  
UNIVERSITY  
SIALKOT  
CAMPUS**



## COMPLETE PYTHON BOOTCAMP

### Course Contents:

- ✓ Python 2 vs. Python 3
- ✓ Python Setup: Installation, Environment Selection
- ✓ Jupyter Notebook
- ✓ Additional learning resources
- ✓ Git and Github Overview
- ✓ Objects and Data structures basics  
Numbers, strings, Lists, Dictionaries,
- ✓ Tuples, Files, Sets, Booleans
- ✓ Comparison Operators: Basic and chain operators
- ✓ Python Statements: if elif, else, for and while loops, ranges  
Methods and Functions: Lambda expression,
- ✓ Nested statement scope & Creating generator
- ✓ Project 1 Game with python
- ✓ Object Oriented Programming: Objects, classes, methods,  
inheritance, special methods.
- ✓ Error and Exception handling: Errors, exceptions, try, except
- ✓ Modules and Packages: Creation and installation of modules and  
python ecosystem
- ✓ Built in Functions: Map, reduce, filters, zip, enumerate, all and any  
Python Generators: Iterations vs generation
- ✓ Final project

### WHO CAN ATTEND

- ✓ Anyone having basic IT Skills or being able to use computer.
- ✓ Computer Science Students or Fresh Graduates.

**Starting From: 1st Dec 2019**

**Course Duration: 3 months**

**Classes: Weekend/Evening**

**Fees Rs. 10,000/-**

**FACILITATOR:  
DR. NASRULLAH**