

### Python Abilities:

- Write a complete Python program.
- Test and verify a Python program.
- Analyze a basic set of algorithms.
- Identify the object oriented programming using Python.
- Analyze and design basic algorithms.
- Apply the phases of software development to write Python programs that solve a scientific problem.  
Apply the process of testing and debugging a Python program.
- Structure a program using decomposition and abstraction, including specification and parameter.  
Identify object-oriented programming paradigm in Python.
- Explore and identify some of the classic optimization problems.
- Develop computational methods for data modeling and analysis using Python Packages such as Numpy, Matplotlib, and IPython.
- Skillful in getting the right output