**INTRODUCTION TO PYHTON LANGUAGE**

Python is an interpreted high level programming language for general purpose programming. Python features a dynamic type system and automatic memory management. Python’s simple syntax, modules and packages makes it possible for us to develop applications rapidly. Professionally, Python is great for backend web development, data analysis, artificial intelligence, and scientific computing. Many developers have also used Python to build productivity tools, games, and desktop apps.

The syntax of the language is clean and length of the code is relatively short. It’s fun to work in python because it allows you to think about the problem rather than focusing on syntax. 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 extensive standard library are available in source or binary form without change for all major platforms, and can be freely distributed.