Abstract

This paper will revolve around Python as a Multi-Paradigm Programming Language.” and about how python has evolved to become the best suited and best opted language for developing almost all kinds of Applications. This Paper will also include various characteristics and features of python proving why it is the widely used programming language in recent times. Further, this paper explains about the growth of python in past five years, as an upfront emerging programming language with world’s Largest developer community. Advancing further with the paper, this paper consists of the role of python in various disciplines and trending areas of Information Technology. Like IoT Applications, Machine Learning, Deep Learning, Artificial Intelligence, Cyber Security, etc. On Reaching Towards the end after the complete study and analysis, this paper concludes with ultimate views about “The Multi-Paradigm Programming Language, Python.”
2. An Introduction to Python Programming for Research, by James Hetherington. [2019]
7. https://docs.python.org/3/
8. https://www.tensorflow.org/
10. https://github.com/

**Index Terms**

Computer Science                  Software Engineering

**Keywords**

Python, Multi Paradigm, IOT, Artificial Intelligence, Cyber Security