

INTRODUCTION

Definition of Python:

Python is a high-level, interpreted programming language known for its readability, simplicity, and wide range of applications in software development and data science.

Growing Importance:

With increasing demand for automation, data analysis, and web development, Python has become one of the most widely used and versatile programming languages today.

Focus of the Study:

This study focuses on Python fundamentals, programming logic, real-world problem-solving, and hands-on practice with tools like Pandas, NumPy, and Matplotlib.

Objective of the Presentation:

To present core Python concepts, showcase practical implementation through

METHODOLOGICAL DETAILS

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Adapting to Modern Programming Needs:

Python's readability and wide applicability make it a go-to language for beginners and professionals across multiple domains.

Bridging the Gap Between Theory and Practice:

The internship focuses on applying programming concepts in real-world scenarios, enhancing both conceptual understanding and practical skills.

Hands-On Experience with Python Tools:

Working with libraries like Pandas, NumPy, and Matplotlib provides exposure to data handling, analysis, and visualization.

Building a Foundation for Future Growth:

Python serves as a stepping stone toward advanced fields such as web development, machine learning, and automation, encouraging continuous learning.