

Report on Hands-on Workshop on Python Programming

Date: 23/03/2026

Time: 2 PM to 4 PM

Department: Information Technology (IT Dept)

Participants: 79

Introduction

A hands-on session on Python Programming was organized for the students to enhance their programming skills and provide practical exposure to one of the most widely used programming languages in the IT industry. The session aimed to introduce students to the fundamentals of Python and help them understand how programming concepts can be applied in real-world scenarios.

Objectives

The main objectives of the workshop were:

- To introduce students to the concept of file handling in Python.
- To explain how data can be stored and retrieved using files.
- To provide hands-on practice on file operations.
- To help students understand different file modes and file handling functions.
- To develop practical programming skills among students.

Hands-on Practical Activities

The workshop mainly focused on practical implementation. Students were guided step-by-step to write Python programs that perform file operations.

Some of the practical exercises included:

- Creating a new text file using Python
- Writing data into a file using the write() function
- Reading the contents of a file using read() and readline()
- Appending new information to an existing file
- Displaying stored file data on the screen

Students practiced writing simple programs that stored and retrieved information such as names, numbers, and short messages from text files.

Conclusion

The Hands-on Workshop on Python Programming was successfully conducted and proved to be highly beneficial for the students. The workshop provided practical exposure to file operations and helped students understand how data can be stored and managed using Python programs. The hands-on learning approach made the session interactive and effective, allowing students to gain confidence in applying programming concepts. Such workshops are valuable in enhancing students' technical skills and preparing them for future academic and professional challenges in the field of computer science.

Photo



Mapping with Programme Outcomes:

PO-1 Engineering knowledge	PO-2 Problem Analysis	PO-3 Design / development of solution	PO-4 Engineering Tools, Experimentation & Testing	PO-5 Engineering Practices for society, Sustainability and Environment	PO-6 Project Management	PO-7 Life-long learning solution
Addressed	Addressed	Addressed	Addressed	Not Addressed	Not Addressed	Addressed