



Sandip Institute of Technology and Research Centre

At & Po – Mahirawani, Trimbak Road, Tal & Dist .– Nashik

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SANDIP
FOUNDATION



DEPARTMENT OF ELECTRICAL ENGINEERING (A.Y 2023-24)

Date:- 04/04/2024

NOTICE

It is hereby informed to all SE, BE students that The Department of Electrical Engineering is pleased to announce an **Expert Lecture** on the topic of "**Python Programming**". It aimed to providing participants with a foundational understanding of Python, one of the most popular and versatile programming languages in the world.

Event Title: Expert lecture on "Python Programming"

Event Date: 06/04/2024

Event Conduction Duration: 2 Hrs (1.00 PM to 2.00 PM) at SE Class Room

Resource Person Details: Prof. Nivedita Vibhandik, Asst Prof. Computer dept SITRC

Name of Event Co-ordinator: Prof. Sharmila M.



HOD

Electrical Engineering

Head of Department
Electrical Engineering
Sandip Institute of Technology and Research Centre
Mahirawani, Nashik-422213



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DEPARTMENT OF ELECTRICAL ENGINEERING (A.Y 2023-24)

Date: 06/04/2024

Report on Python Programming

Python programming, one of the most popular and versatile languages used in software development, data science, web development, automation, and more. Through this workshop, participants will learn the fundamentals of Python programming, including syntax, data structures, and basic algorithms.

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Event Date: 06/04/2024

Event Conduction Duration: 2 Hrs (1.00 PM to 2.00 PM)

Resource Person Details: Prof. Nivedita Vibhandik, Asst Prof. Computer dept SITRC

Name of Event Co-ordinator: Prof. Sharmila M.

Number of Students: SE-31, BE- 29

Objectives:

1. **Understand Python Basics:** Introduce the Python programming language, including basic syntax, variables, and data types.
2. **Master Control Flow:** Learn how to use conditionals and loops to control the flow of programs.
3. **Work with Data Structures:** Gain experience with Python’s built-in data structures like lists, tuples, and dictionaries.
4. **File Handling and Libraries:** Learn how to read from and write to files and use Python libraries for more advanced functionality.
5. **Practical Application:** Apply Python knowledge to real-world projects, including data analysis and automation tasks.

Outcomes:

1. **Python Proficiency:** Participants will be able to write and execute Python programs, using basic to intermediate Python features.
2. **Problem-Solving Skills:** Develop the ability to solve real-world problems using Python, such as automating tasks and analyzing data.
3. **Data Handling:** Gain skills in managing, processing, and analyzing data using Python’s powerful libraries.
4. **Coding Confidence:** Participants will gain confidence in coding, debugging, and building simple Python applications.