



## Sandip Institute of Technology and Research Centre

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

Phone: (02594) 222552,53,54, Fax: (02594) 222555

website : [www.sandipfoundation.org](http://www.sandipfoundation.org), e-mail : [principal@sitrc.org](mailto:principal@sitrc.org)

Accredited with “A” grade by NAAC With CGPA Score of 3.11



SANDIP  
FOUNDATION



### Department of Artificial Intelligence and Data Science

Date 07/10/2023

### NOTICE


All the students of AIDS department are hereby informed to attend Value added programme on “Programming & Problem-Solving using Python” by Prof. Sharmila P. Zope on 10.10.2023 to 14.10.2023.

Venue- Computer Department, Seminar Hall (C Building)

Timing -10:00 AM to 05:00 PM

All should take a note of it & attend the same without fail.

  
**Prof. (Dr.) Amit R. Gadekar**  
**HOD, AIDS Dept.**  
**SITRC, Nashik**

  
**Dr. M. M. Patil**  
**Principal**  
**SITRC, Nashik**





### CHIEF PATRON

**Hon. Dr. Sandip N. Jha**

(Chairman, Sandip Foundation, Nashik)

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**Hon. Prof. Pramod Karole**

(Academic Facilitator, Sandip Foundation, Nashik)

### PRINCIPAL

**Dr. M. M. PATIL**

(Principal, SITRC, Nashik)

### CONVENER

**Prof. (Dr.) Amit R. Gadekar**

(HOD, Department of AIDS, SITRC, Nashik)

### CO-ORDINATOR

**Prof. Vishwajeet Barbudhe**

(Assistant Professor, Dept. of AIDS)



### ORGANIZING COMMITTEE

Faculties of AIDS

### RESOURCE PERSON

**Prof. Sharmila P. Zope**

(Assistant Professor, SOCSE  
Sandip University Nashik)

### Venue and Time

Seminar Hall (C Building)  
Computer Department

Time: 10 AM To 05.00 PM

(10<sup>th</sup> – 14<sup>th</sup> October 2023)

**Five Days**

**Value added program**

on

**“Programming &  
Problem-Solving  
using Python”**

(10<sup>th</sup> – 14<sup>th</sup> October 2023)

**Organized By**

Department of Artificial Intelligence &

Data Science

Sandip Institute of Technology and

Research Centre

Nashik- 422213.



## ABOUT INSTITUTE

Sandip Institute of Technology and Research Center (SITRC), the top Engineering colleges in Nasik, Maharashtra is established in 2008 and is approved by AICTE, New Delhi and affiliated to Savitribai Phule Pune University, Pune. SITRC's Artificial Intelligence & Data Science started in academic year 2021-22. The Institute is accredited by NAAC with A Grade (CGPA 3.11 Score). SITRC have an ambiance that stimulates intellectual thinking and academic proceedings.

**The institute has following major credentials at its credit.**

- √ Accredited by NBA Computer & Mechanical Engineering
- √ Accredited with A Grade by NAAC
- √ Affiliated to SPPU Pune
- √ Green and Clean Campus

## ABOUT DEPARTMENT

The Artificial Intelligence & Data Science Department at the Sandip Institute of Technology and Research Centre affiliated to Savitribai Phule Pune University, Pune offers at engineering programs leading to the degree of Bachelor of Technology (B.Tech). Department had established in the academic year 2021-2022. The changing development scenario and IT industry expansions are creating increasing growth opportunities for a Computer Engineering professional. We believe in regular student industry interface and thereby consistently organizes many seminars, workshops by eminent personalities in the IT field.

## DEPARTMENT VISION

To Achieve excellent standard in Artificial Intelligence & Data Science, to develop emerging technology for the benefits of Industry and Society.

## DEPARTMENT MISSION

To achieve the vision, the department is committed to:

- \* M1. To develop technology professional who are skilled in the area of Artificial Intelligence & Data Science
- \* M2. To establish industry institute interaction activities to enhance the entrepreneurship skills with effective teaching learning practices.
- \*M3. To enhance problem solving skills, leadership qualities, team spirits and ethical responsibilities with a commitment to lifelong learning.

## ABOUT VALUE ADDED PROGRAM

The aim of this five days' value-added program is to acquire programming and problem-solving skills in PYTHON

## VALUE ADDED PROGRAM OBJECTIVES

The Objective of this 5 days' value-added program is to give basic principles of PYTHON Programming. Student will be able to implement object-oriented concepts.

## COURSE CONTENTS

The value-added program will cover a wide range of topics, including but not limited to:

- Problem solving skills
- Python Concepts
- Procedural vs. Object-Oriented Programming
- Integrated Development Environments
- Basic string operations
- Indexing and slicing strings
- Programming Exercises

## IMPORTANT DATES

**Last Date of Registration:**

**5<sup>th</sup> Oct, 2023.**

**Date: 10<sup>th</sup> Oct – 14<sup>th</sup> Oct, 2023.**

***No Registration Fee***



## Course Content

### Value Added Program on “Programming & Problem-Solving using Python”

Introduction to Python, Python Concepts, Comparing Programming, Languages-C, C++, JAVA, C#, Python, The Python Interpreter, Python Versions, Dynamic vs. Static Types, Interpreter vs. Compiled, Prototyping, Procedural vs. Object-Oriented Programming.

Using the Python Command Prompt, Comments in Python, Launching Python programs Integrated Development Environments, Types and Operators, Statements: Assignment, Expressions/Calls, Printing, if Tests, while Loops, for Loops, pass Statement, break and continue Statements, Programming Exercises.

Python Syntax, Indentation, Multiple Line Spanning, Python, Object Types, Python Numbers, Strings: Basic string operations, Indexing and slicing strings, String Formatting, Combining and Separating Strings, Regular Expressions, Programming Exercises.



**Prof. V.K. Barbudhe**  
**Coordinator**  
**VAP(PPSP)**



**Prof. (Dr.) Amit R. Gadekar**  
**Head**  
**AIDS Dept.**





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**1. Event Title:** Value added program on “Programming & Problem-Solving using Python”

**2. Event Date:** 10<sup>th</sup> Oct 2023 to 14<sup>th</sup> Oct 2023.

**3. Event Conduction Duration:** 32 hours

**4. Event Venue:** Computer Department, Seminar Hall (C Building)

**5. Event Resource Person Details:** Prof. Sharmila P. Zope, Assistant Professor, SOCSE, Sandip University Nashik

**6. Name of Event Coordinator:** Prof. Vishwajeet Barbudhe, Assistant Professor, AIDS

## 7. Event Objectives & Outcomes

### Objectives of Activity:

1. To acquire programming skills in PYTHON.
2. To acquire Object oriented skills in PYTHON

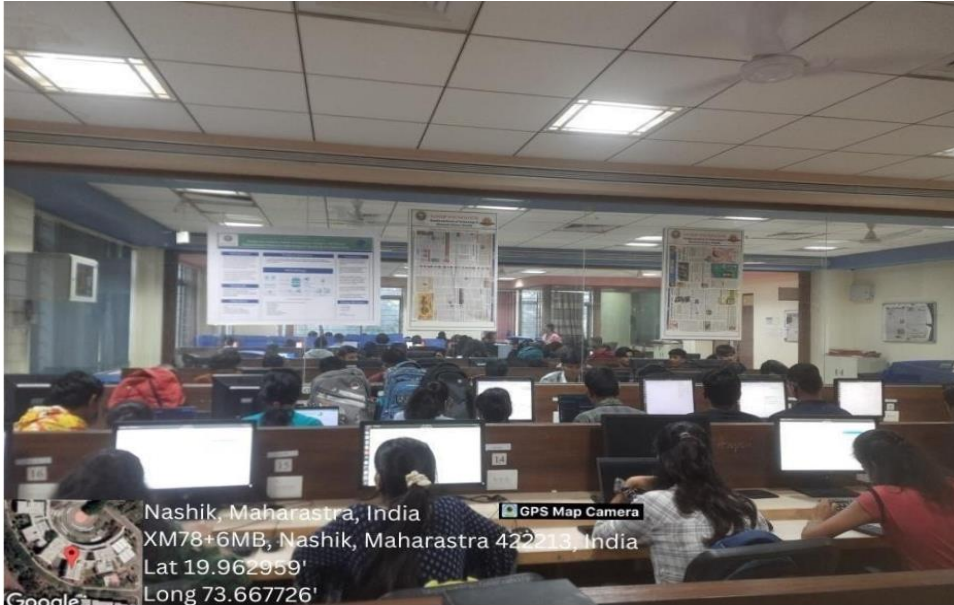
### Outcomes of Activity:

1. Students understands principles of PYTHON Programming.
2. Students learned the case studies related to PYTHON.
3. Implementation of object-oriented work done.

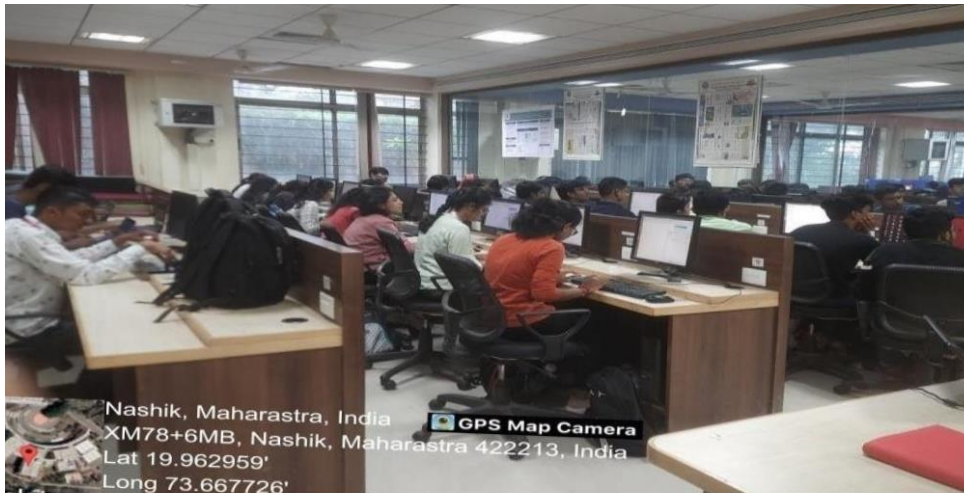
**8. Description of Event:** To introduces fundamental concepts & recent advances of PYTHON Programming which in turn help students to apply it in practice and further load the foundation to a deeper study in this area, the Department of Artificial Intelligence & Data Science of Sandip Foundation's, Sandip Institute of Technology and Research Center organized 5 days' value-added program on “PYTHON Programming” on the Date 10 Oct 2023 to 14 Oct 2023. The value-added program was started with welcome & felicitation of Prof. Sharmila P. Zope. To attend the same value-added program total 60 students from AIDS Department were present. At the end of event students appreciated the event. The session concluded with vote of thanks.



## 9. Event photos:



**Photo 1: Session on Problem solving using Python by Expert**




**Photo 2: Students practicing python programming**



**Event Coordinator**



**HOD**



**PRINCIPAL**  
Sandip Institute of Technology  
and Research Centre,  
Mahirawani - 422 213, Nashik

**Principal**



