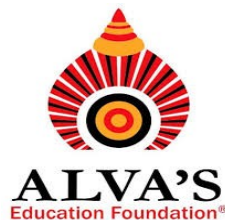


# **6 days Preplacement Workshop Report**

*Organized by,*  
**Alva's Institute of Engineering and Technology**



**“Basic programming in Python with Demo Presentation on different concepts  
in Python Programming- Interview perspective.**

## **WORKSHOP REPORT**

**conducted from 10 th July 23 to 15 July 23**

**for Mechanical & Civil Engineering students,AIET, Mijar**

**Resource Person**  
**Dr. S. Mohideen Badhusha**

**Workshop Convenor**  
**Dr. Manjunath Kotari**

## **WORKSHOP BRIEF REPORT**

**6 days Workshop on Basic programming in Python with Demo Presentation on different concepts in Python Programming has been conducted** from **10 th July 23 to 15 July 23** The workshop was inaugurated by Prof. Manjunath Kothari H.O.D, Dept. CSE and all staff members and student volunteers were also present during the inauguration function along with the resource person Dr. S. Mohideen Badhusha. 52 internal participants from Mechanical and Civil Engineering students , Alva's Institute of Engineering and Technology have participated in this workshop.

### **Workshop Overview**

- The workshop imparts a fundamental knowledge required to write program in Python language
- It provides hands-on training sessions which offer a creative idea in solving problems using python program
- The practical programming exercises assigned midst the lecture hours enhance the interest of solving different concepts of programming using python
- It offers the knowledge of advanced programming constructs and data structures in Python and It provides hands-on training sessions in related concepts.
- The workshop imparts the knowledge of implementation of basic concepts of Python
- The workshop offers Interview based Questions in Python

### **Resource Person :**

Dr. S.Mohideen Badhusha  
Sr.Professor/CSE, AIET

### **Convener:**

Prof. Manjunath Kothari  
H.O.D Department of CSE

## Syllabus & Content delivery

### Boot Camp Programme 2023

**6 days Workshop on Basic programming in Python with Demo  
Presentation on different concepts in Python Programming**

**for Mechanical & Civil Engineering students, Aiet, Mijar**

**Dates : 10 th July 23 to 15 July 23**

| Day   | Session   | Portions/ Activities                                       | Duration  |
|-------|-----------|--|-----------|
| DAY 1 | session 1 | Introduction and Basics of Python Programming – Exercises. | 2 Hours   |
|       | session 2 | Hands-on training  | 2 Hours   |
|       | session 3 | Functions in Python - Exercises                            | 1 ½ Hours |
|       | session 4 | Hands-on training  | 1 ½ Hours |
| DAY 2 | session 1 | Iteration in Python - Exercises                            | 2 Hours   |
|       | session 2 | Hands-on training  | 2 Hours   |
|       | session 3 | Lists in Python - Exercises.                               | 1 ½ Hours |
|       | session 4 | Hands-on training  | 1 ½ Hours |
| DAY 3 | session 1 | Strings in Python - Exercises.                             | 2 Hours   |
|       | session 2 | Hands-on training  | 2 Hours   |
|       | session 3 | Tuple in Python -Exercises                                 | 1 ½ Hours |
|       | session 4 | Hands-on training  | 1 ½ Hours |
| DAY 4 | session 1 | Dictionary in Python - Exercises                           | 2 Hours   |
|       | session 2 | Hands-on training  | 2 Hours   |
|       | session 3 | Files in Python- Exercises                                 | 1 ½ Hours |
|       | session 4 | Hands-on training  | 1 ½ Hours |
| DAY 5 | session 1 | Interview oriented questions                               | 2 Hours   |
|       | session 2 | Hands-on training  | 2 Hours   |

|              |                  |  |                  |
|--------------|------------------|--|------------------|
|              |                  |  |                  |
|              | <b>session 3</b> | <b>Interview oriented questions</b>  | <b>1 ½ Hours</b> |
|              | <b>session 4</b> | <b>Hands-on training</b>   | <b>1 ½ Hours</b> |
| <b>DAY 6</b> | <b>Session 1</b> | <b>Final Demo Presentation on different concepts of basic programming constructs in Python</b> | <b>4 Hours</b>   |
|              | <b>Session 2</b> | <b>Final Demo Presentation on different concepts of basic programming constructs in Python</b> | <b>3</b>         |

**Pre-requisite Knowledge/Skills:**

Basic Programming skill in Logical development with basic knowledge in any one of languages

**Resource person**

**Dr.S.Mohideen Badhusha**

**Sr.Professor**

**CSE/ AIET, Mijar**

**The proceedings of the workshop are as follows:**

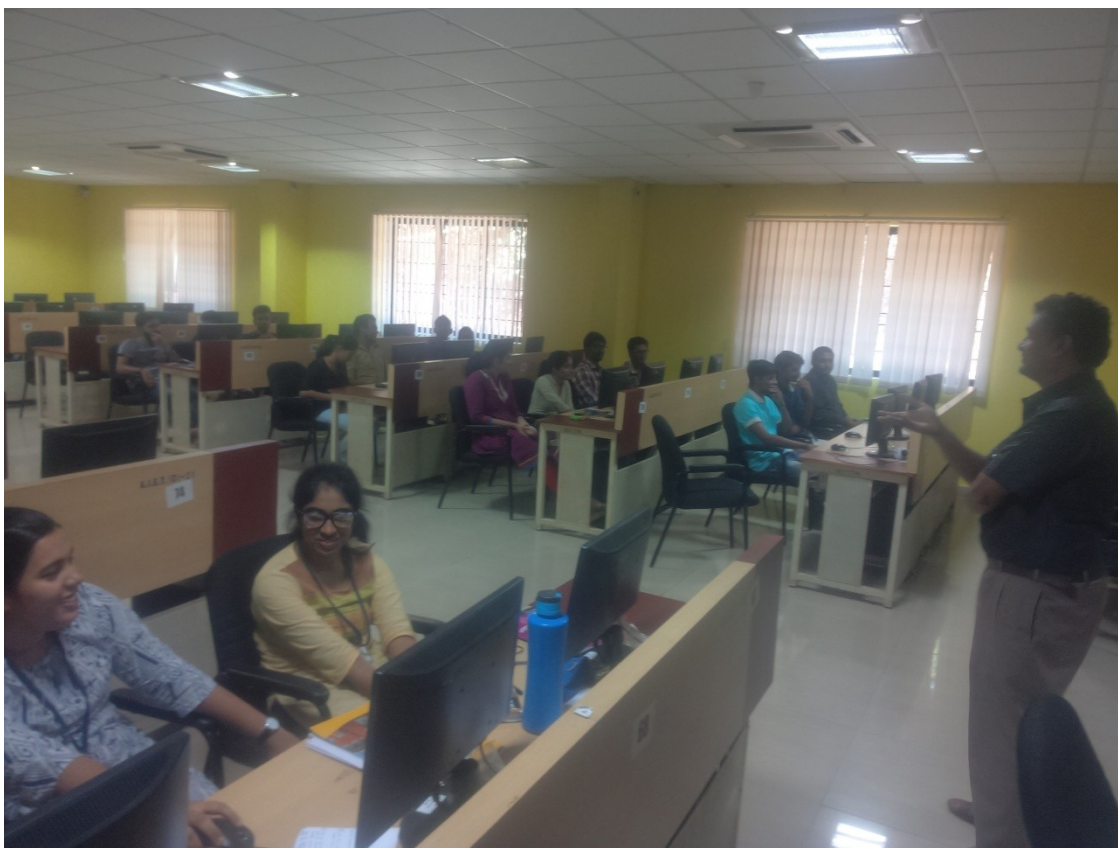
**DAY 1**

Session 1: Demonstration on salient and unique features of Python

Session 2: Hands-on training in the basic programming constructs with relevant exercises in Python

Session 3: Demonstration on advanced programming constructs in Python

Session 4: Hands-on training in implementing the advanced programming constructs with relevant exercises in Python



**DAY 2**

Session 1 : Demonstration on Advanced data structures in Python

Session 2 : Hands-on training in implementing the Advanced data structures in Python with relevant exercises in Python

Session 3: Demonstration on the String and file handling functions in Python

Session 4: Hands-on training in implementing the String and File handling functions with relevant exercises in Python



### **DAY 3 :**

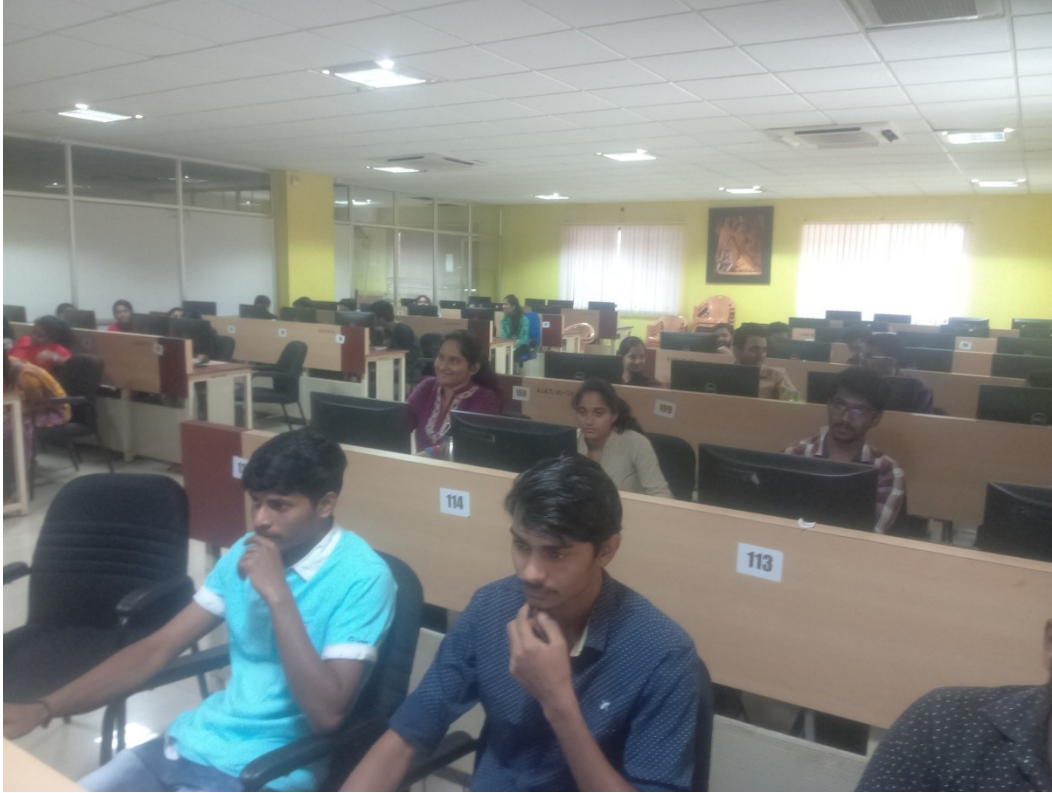
Session 1: Demonstration of implementing Strings in Python

Session 2: Hands-on training in implementing Strings in Python

Session 3: Demonstration of implementing Tuples in Python

Session 4: Hands-on training in implementation of Tuples in Python





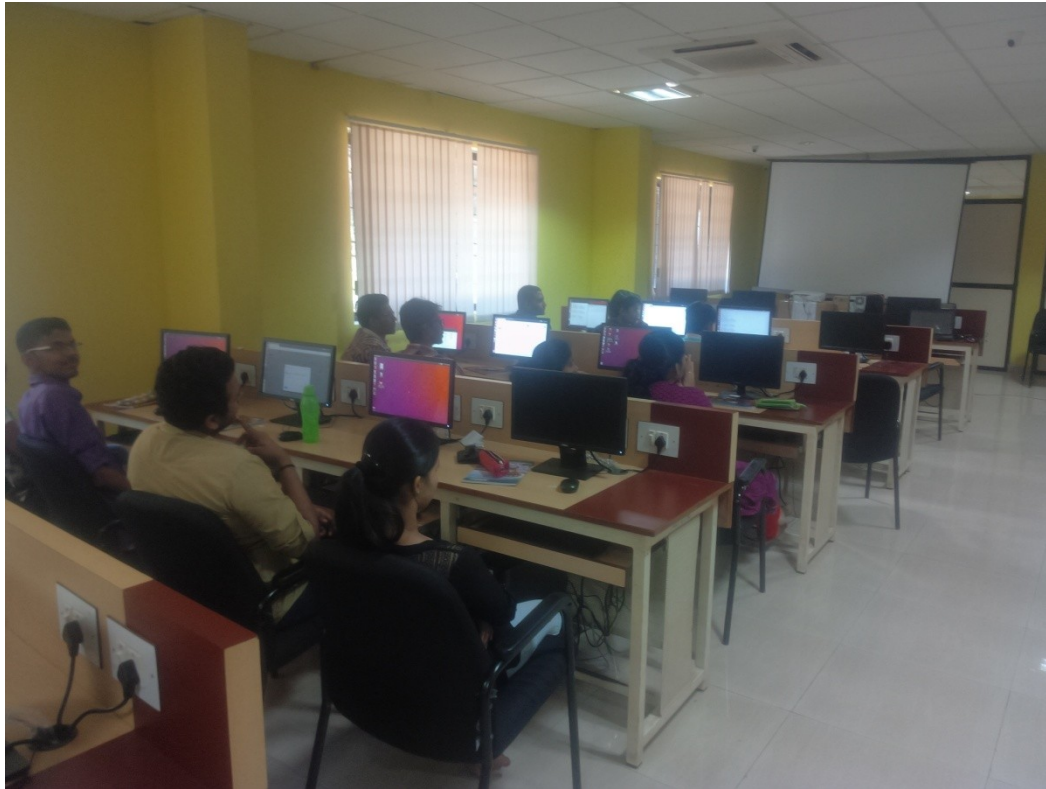
#### **DAY 4:**

Session 1: Demonstration of development of Dictionary in Python

Session 2: Hands-on training in development of Dictionary in Python

Session 3: Demonstration of development of Files in Python

Session 4: Hands-on training in the development of Files in Python



## **DAY 5:**

Session 1: Demonstration of development of in Python

Session 2: Hands-on training in development of D in Python

Session 3: Demonstration of development of Files in Python

Session 4: Hands-on training in the development of Files in Python

## **DAY 6:**

Session 1: Demonstration of Interview based programming questions in Python

Session 2: Hands-on training in Interview based programming questions in Python

Session 3: Presentation of Interview based programming questions in Python

Session 4: Presenation of in Interview based programming questions s in Python



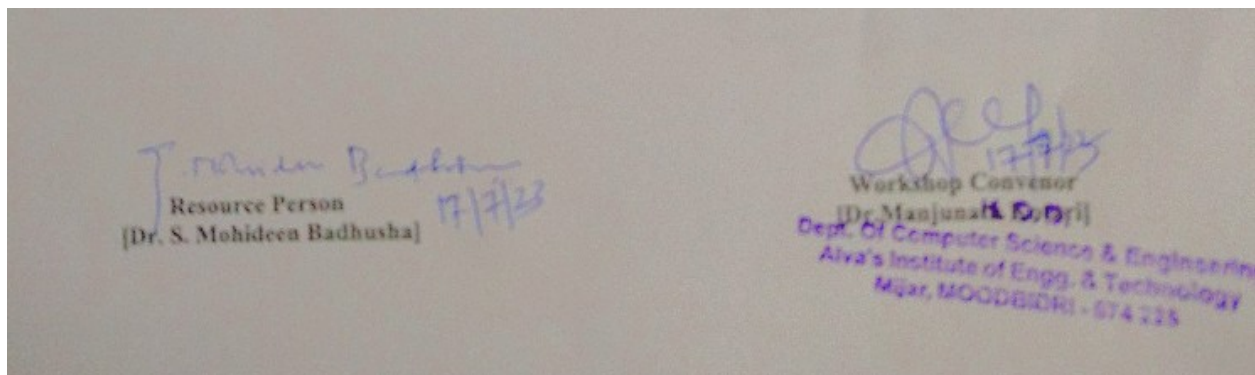




### **FEEDBACK ANALYSIS**

| <b>Questions from feedback form</b>   | <b>Score (Out of 5)</b> |
|---|-------------------------|
| Q1 : The overall 4 days workshop was quite interesting and useful to me a lot.                                      | <b>4.78</b>             |
| Q2 : The Resource Person has presented all the sessions well and responded to the queries intact.                   | <b>4.89</b>             |
| Q3 : The Resource Person has given practical explanations and made me understand each session                       | <b>4.91</b>             |
| Q4 : The Resource Person's communication and content deliver was clear, crisp and audible.                          | <b>4.85</b>             |
| Q5 : I have received enough related e-materials from the resource person in the workshop                            | <b>4.98</b>             |
| Q6 : The flow of the delivery of the workshop was very good and accomplished completely as expected.                | <b>4.73</b>             |
| Q7 : I wish to attend further training sessions conducted by the same trainer in future also                        | <b>4.78</b>             |
| Q8 : The projects given in the workshop are very useful and will be helpful to me for my future career development. | <b>4.86</b>             |
| Q9 : I have got an idea of the real time project development and observed its various phases very well.             | <b>4.74</b>             |

**Conclusion :** The students learn and practice different concepts such as String, Iteration, Function, List, Tuple, Dictionary & Files in Python programming language in interview perspective. At the end of the workshop, all the students demonstrated the different concepts of the Python programming. The evaluation of the presentation of all the students was done and their doubts are amicably solved.



Resource Person  
[Dr. S. Mohideen Badhusha] 17/7/23

Workshop Convenor  
[Dr. Manjunath D. Dori] 17/7/23  
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