

## A REPORT ON Fundamentals Of Programming

Date: 5<sup>th</sup> April, 2023

Venue: B-120, Apple Lab, Silver Oak University

# Fundamentals Of Programming



## **Introduction:**

An event on “Fundamentals of Programming” was conducted by Divyesh Patel and Aum Pandya. The session was organized to provide an Introduction of **C programming** to beginners and to refresh the knowledge of those who are already familiar with the language.

## **About the Speakers:**

The event was led by the experienced and knowledgeable speakers:

1. Prof. Sanket Shah: Assistant Professor, Department of Computer Engineering, SOCET.
2. Prof. Gaurav Tivari: Assistant Professor, Department of Computer Engineering, SOCET.
3. Divyesh Patel: Chairperson, Silver Oak University IEEE Signal Processing Society Student Branch Chapter & Silver Oak University IEEE Computer Society Student Branch Chapter.
4. Aum Pandya: Webmaster, Silver Oak University IEEE Signal Processing Society Student Branch Chapter.

## **About the Session:**

**Date:** 5<sup>th</sup> April, 2023

**Time:** 10:30 AM - 02:00 PM

**Venue:** B-120, Apple Lab, Silver Oak University


**Participants:** 47

The first session of the session was conducted by Aum Pandya who explained the basics of C programming. He covered the fundamentals of C like variables, constants, and much more. He explained how to write a simple C program and how to compile it using a compiler. Furthermore, he also demonstrated the students on the process of debugging programs in case of compilation errors.

After the first session, Divyesh Patel took over and started the second session of the session. He went over the basic functions, operators, and conditional statements in C programming and moved on towards describing different types of case conditions and how they can be used in a program. He also explained the arguments and parameters used in functions and showed live practical examples to demonstrate their usage.

During the interaction, he demonstrated how arrays work and how they can be used to store multiple values of the same data type. He demonstrated a live practical for the same to help the participants understand the topic better.

Moving further, Divyesh Patel and Aum Pandya conducted a hands-on workshop, giving the students a chance to showcase and practice what they had learned through their session. They concluded with a very interactive questionnaire filled with active and eager participation from the audience.




After a great interactive and knowledgeable session with peers the session was further carried out by the faculties of Computer Department of SOCET. During the session on the Fundamentals of C language, Prof. Sanket Shah explained the concepts of arrays, strings, and pointers in a very clear and concise manner. He started by giving an overview of each topic and then delved into the details, providing examples, and explaining how they can be used in practical programming scenarios. Participants found his explanations easy to follow and appreciated his use of real-life examples to illustrate the concepts.

In the session on Functions, Structure, File I/O, DMA, and OOPS Concepts, Prof. Gaurav Tivari covered a range of topics related to advanced programming concepts. He began by explaining the basics of functions and structures, and then went on to discuss more complex concepts such as file I/O and OOPS. Participants found his explanations to be thorough and engaging, and appreciated his use of hands-on exercises to help reinforce the concepts he was teaching. They also enjoyed his use of humor and his ability to make even the most difficult concepts seem accessible.

This event also proved to be an excellent tool for IEEE awareness drive as the faculties explained the importance of IEEE and its role in the development of technology.

### **Conclusion:**

In conclusion, the session provided an excellent introduction to C programming. The participants left the session with a better understanding of the basics of C programming. Additionally, it also offered better knowledge about IEEE than the attendees had before, recounting its benefits for the members.



Some glimpses of the event:

