

Center of Study for C, C++ & JAVA Programming

Vision:

- To achieve excellence in field of software development with the knowledge of programming languages with consistent and collaborative efforts of every individual

Mission:

- To develop students with fundamental advanced tools and technologies to work as skilled computer professionals with ethical values.
- To provide appropriate environment with required resources to achieve excellence in programming.
- To develop hand-in-hand relations with industries for catering institute-industry needs.

Course Objectives:

- To learn basic principles of C, C++ & JAVA.
- To learn structuring the data and manipulation of data, computation and program structure using C, C++ & JAVA.
- To learn Object Oriented Programming (OOP) principles using Java Programming Language.
- To learn Demonstrate Multithreading for robust application development.

Course Outcomes:

On completion of the course, learner will be able to:

- Make use of basic principles of programming languages.
- Develop a program with Data representation and Computations.
- Develop programs using Object Oriented Programming language: C++ & Java.
- Develop application using inheritance, encapsulation, and polymorphism.
- Demonstrate Multithreading for robust application development.

Activity Conducted:

C language is the robust language and it has a rich set of built-in functions, data types and operators which can be used to write any complex program. Program written in C are efficient due to availability of several data types and operators. C has the capabilities of an assembly language (low level features) with the feature of high level language so it is well suited for writing both system software and application software.

C++ is an object-oriented programming language and includes concepts like classes, inheritance, polymorphism, data abstraction, and encapsulation which allow code reusability and makes programs very maintainable. There is a large online community of C++ users and experts that is particularly helpful in case any support is required.

A training program on **Introduction to C & C++** conducted in the **Center of Excellence** from **17/08/2021 to 17/09/2021**. Total **67** students participated in training program. Following topics were discussed during training sessions: Basic concepts of C, variable, constant & keywords in C, operators in C, control structures in C, Arrays, Functions, basic difference between C & C++, features of object-oriented programming, applications of object-oriented programming, class, object, access specifiers, creation of class & object in C.

Following are glimpses of sessions

Inbox (567) - vyankatesh.rampuri Meet - dpz-sfmv-chg Canvas

meet.google.com/dpz-sfmv-chg?authuser=0&hl=en

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| 53_Udaysingh Pawar | | |
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| 55_Raghav Sharma | | |
| 56_Rahul Rasal | | |
| 57_Aishwarya Raut | | |
| 58_Rohokale Aniket | | |

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Vyanktesh Rampurkar



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Proposed Laboratory Set / Equipment's:

| Sr. No | Particulars | Rate(In Rs.) | Quantity | Amount (In Rs.) |
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| 1 | Computers: Intel(R) Core(TM) i3-4160 CPU @ 3.60GHz with 4GB RAM | 50,000 | 20 | 10,00,000 |