



Hope Foundation's
International Institute of
Information Technology



Department of Information Technology

Information Technology Student Association (ITSA)

C++ Crash Course

On 18th, 19th, 20th August 2021

C++ Crash Course Report

Introduction:

C++ is one of the most widely used languages for real-world software. In the hands of a knowledgeable programmer, C++ can produce small, efficient, and readable code that any programmer would be proud of. The pleasure to teach our juniors is undefined. Hence, we organized a C++ Crash Course to make our juniors familiar with one of the basic languages.

Objective:

The main objective of this crash course was to cover briefly the most important parts of C++ so that students have a base of knowledge before thoroughly studying the language in depth. This crash course is intended for programmers who are willing to learn something basic and fruitful.

Event Details:

Programming languages serve two purposes:

Vehicle for specifying actions to be executed “close to the machine”

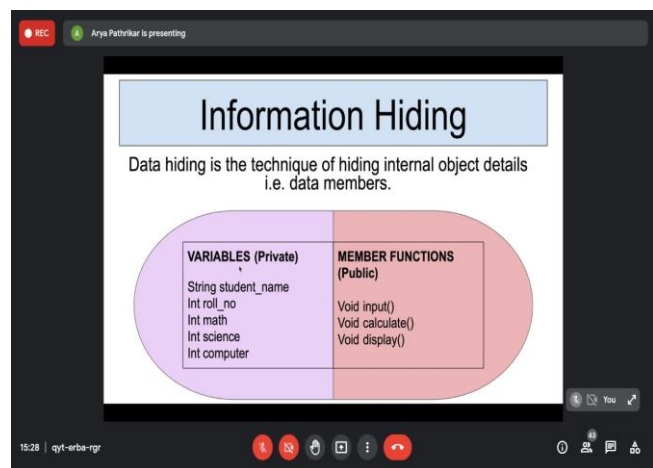
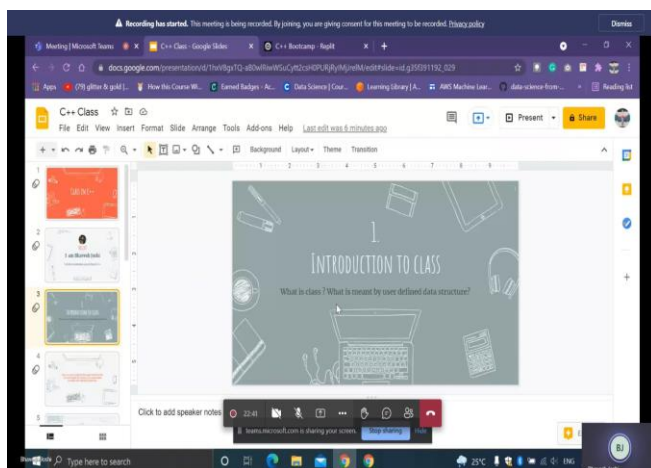
Set of concepts for thinking about what can be done “close to the problem being solved”

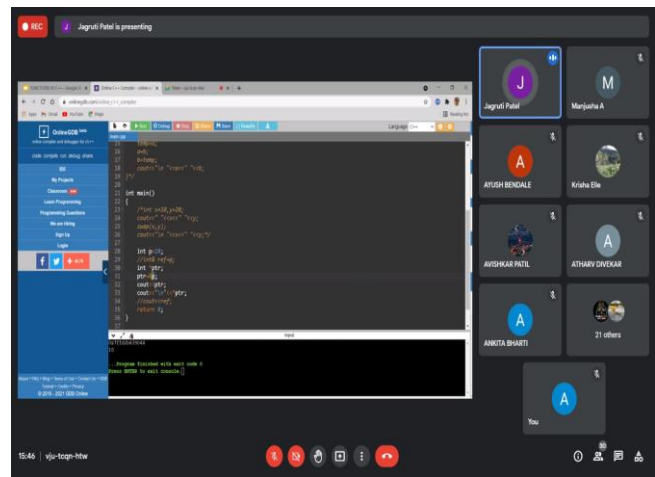
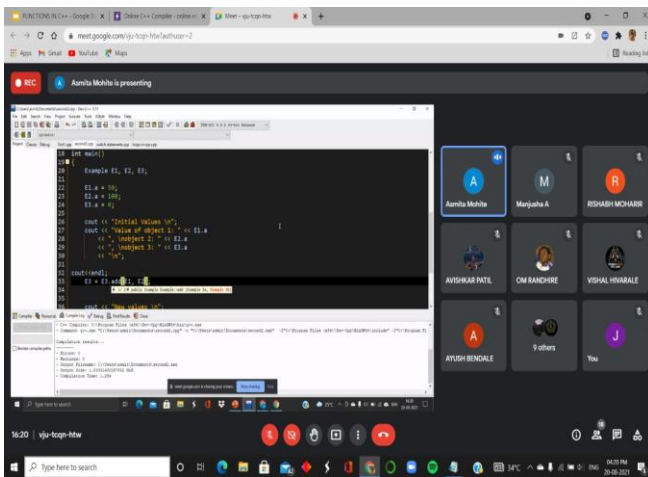
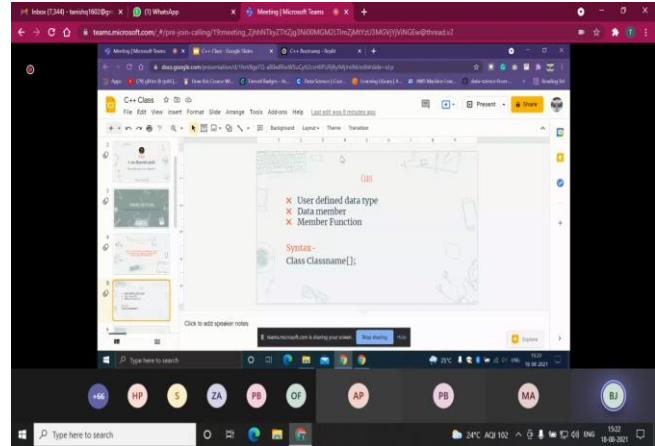
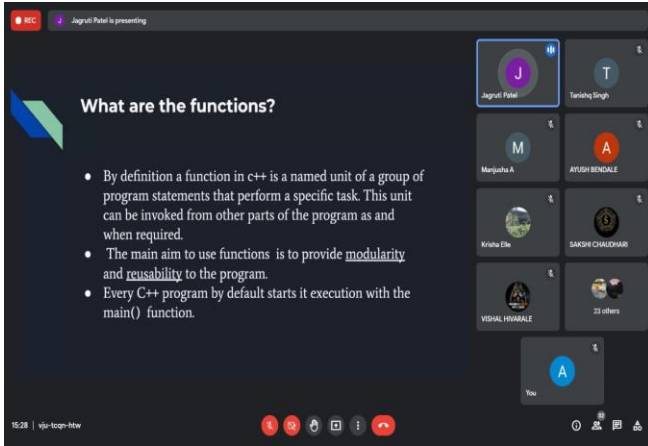
Object-oriented C++ excels at both

C++ Crash Course was a 3 days event conducted on 18th, 19th & 20th August.

During the course we covered topics like:

- Class
- Object
- Data Encapsulation and Data Hiding
- Private and Public Access Specifiers
- How to write a C++ program?
- Function Overloading
- Call by value and Call by reference
- How to pass object as parameter? How to return object as parameter?
- Array of objects. How to pass array of objects?





In this event second year students from all branches of I2IT got chance to learn from their TE/BE seniors and in the end it was a well-executed event.

Conclusion:

This Crash Course was a great team collaborated effort of all the members of ITSA. Senior students got an opportunity to teach and juniors got to learn from their seniors cum friends which made this event an indeed success.