
C++ Language

COURSE DETAILS :

C + + Overview

- Polymorphism
- Object - Oriented Paradigm
- Abstract Data Types
- I / O S services
- Standard Template Library
- Standards Compliance
- C + + Characteristics
- Object - Oriented Terminology

Functions and Variables.

- Functions : Declaration and definition
- Variables : Definition , Declaration , a n d S c o p e
- Variables : Dynamic Creation and Derived Data
- Arrays and Strings in C + +
- Qualifiers

Classes in C + +

- Defining Classes in C + +
- Class and Encapsulation
- Member Functions
- Instantiating and using Classes
- Using Constructors
- Multiple Constructor and initialization Lists
- Using Destructors to Destroy Instances
- Friendship

COURSE DETAILS

Operator Overloading

- Operator Overloading
- Working with Overloaded Operator Methods

Initialization and assignment

- Initializations . Assignment
- The Copy Constructor
- Assigning Values
- Specialized Constructors and methods
- Constant and S Static Class Members

Storage Management

- Memory Allocation
- Dynamic Allocation : new & delete Inheritance
- Overview Inheritance
- Defining Base and Derived Classes
- Constructor and Destructor Calls

Polymorphism

- Overview Polymorphism



Input and output C ++ Programs.

- Standard Streams
- Manipulators
- Unformatted Input and output
- File Input and Output

Exceptions

- Exceptions
- Inheritance and Exceptions
- Exception Hierarchies
- Inside an Exception Handler

Templates

- Template Overview
- Customizing Templated Method
- Standard Template Library Containers

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- To guide students to choose the right career and give knowledge , skill , and to make the students competitive and efficient in the technical field through technological transformations .
- To provide the best education and training to meet the needs of the industry society . To undertake collaborative real — time projects with academy industries , so that the students have better experience of how things work in IT organizations or companies ..
- To create an environment of innovation, creativity , innovation , team - spirit entrepreneurial leadership .
- To provide excellent study , and the best industrial training that leads to careers as in the widely diversified domains of industry , government and academia .