



GENIUS COMPUTER ACADEMY

PLACE WHERE QUALITY MATTERS

C, C++ PROGRAMMING

C

This course is best fit for an individual who is aspiring to become a good programmer. Every concept is presented with adequate details. Entire structure concentrates on logic development, which is essential for every programmer. The syllabus is designed according to the University rules.

Syllabus:

Introduction & History, Fundamentals of programming, Data-types, Acquaintance with the programming environment.

C - Instructions, Control instructions - Decision, Case, Loops (Iterations). Library functions & User defined functions, all syntaxes & prototype declarations.

Derived data types- Array, 2D-Array, Strings, and Structures, Pointers for array, strings, structures. File handling, Command-line parameters.

C++

Many complex problems in real-life can be efficiently frame-worked on programming side by object oriented approach.

C++ is a programming language which implements the object oriented approach in very efficient way. This course gives

you confidence to become a good object oriented programmer

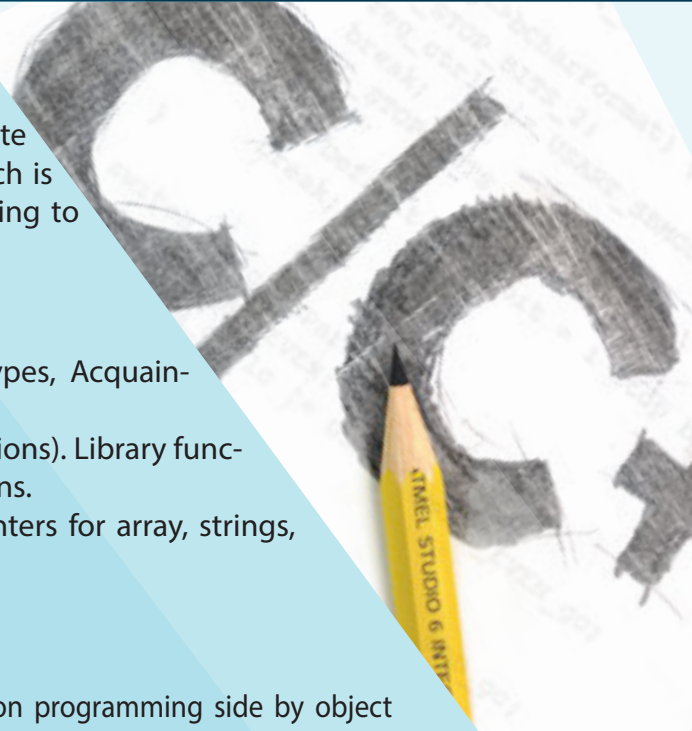
Syllabus:

Object oriented concepts: Data-hiding, Encapsulation, Polymorphism, Inheritance, Abstraction.

Introduction to programming environment, Procedure-Oriented Programming drawbacks, Benefits of OOP.

Operators in C++, Functions prototyping & overloading, Encapsulation - Concepts of Classes and Objects, Visibility Labels, Friend functions, Constructors & Destructors, Operator overloading.

Inheritance – single, multiple and multi-leveled, etc., Abstract classes, Polymorphism – Pointers, Virtual functions.



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