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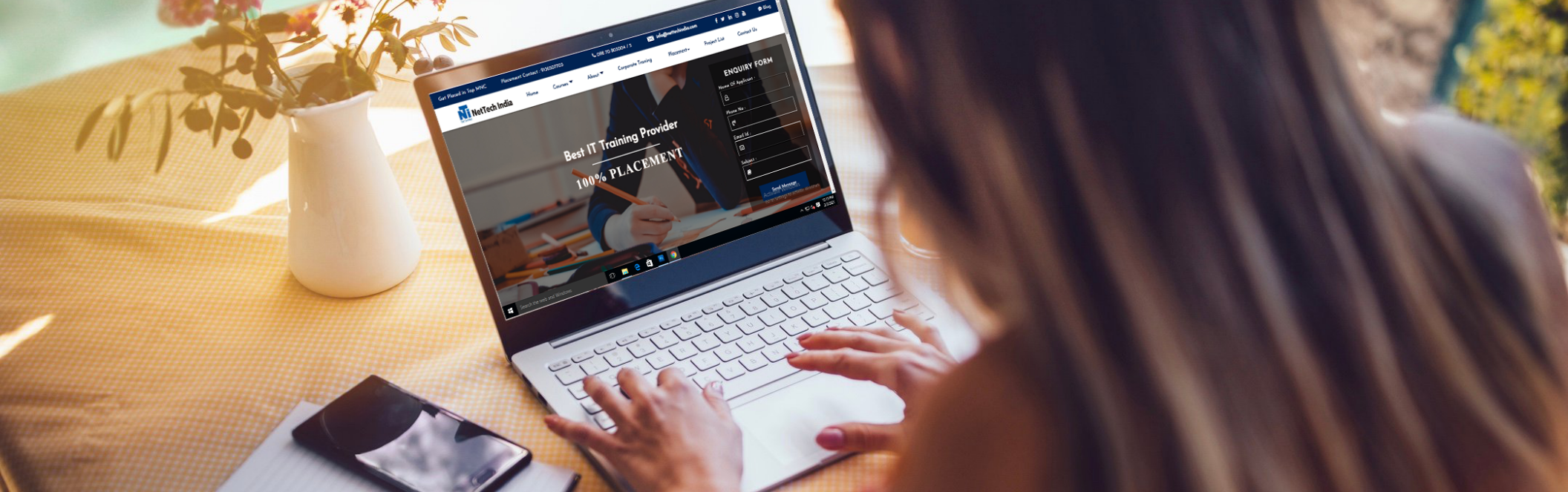


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C & C++ CERTIFICATION





ABOUT US

NetTech India Training Institute offers a high-quality learning experience in the field of IT training to train students on brand new technologies and train them to deliver the desired results with commercially relevant and re-organized technical skills.

The probability of achieving your dream job will keep on increasing day by day once you complete a course in NetTech India. We also focus on improving soft skills in terms of communication, leadership, teamwork, external appearance, and attitude which helps everyone to be professional in all the aspects of their career. NetTech India team consists of highly qualified experts whom you can trust.

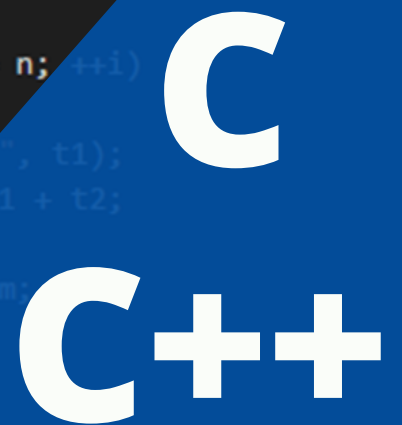
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ABOUT C & C++ CERTIFICATION

Having the knowledge of C++ programming is the key to advance a career in IT, as well as a pre-requisite for most computer programming. NetTech India provides C programming language training that aims to teach students basic programming concepts, and give them practical programming experience. This C++ programming training covers common high-level programming languages topics and furthermore it covers more advanced issues. Students who are looking to set up a career in programming can take up these C++ programming classes.

C PROGRAM TO FOR FIBONACCI SERIES

```
1  #include <stdio.h>
2  int main()
3  {
4      int i, n, t1 = 0, t2 = 1, nextTerm;
5
6      printf("Enter the number of terms: ");
7      scanf("%d", &n);
8
9      printf("Fibonacci Series: ");
10
11     for (i = 1; i <= n; ++i)
12     {
13         printf("%d, ", t1);
14         nextTerm = t1 + t2;
15         t1 = t2;
16         t2 = nextTerm;
17     }
18     return 0;
19 }
```



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BENEFITS OF C & C++ CERTIFICATION

- ➔ Career Growth - Higher Pay & Position
- ➔ Encourages professional development
- ➔ Enriches self-image and reputation
- ➔ Enhances professional credibility.
- ➔ Abundant Job Opportunities
- ➔ Used In Many Industries
- ➔ Global Recognition
- ➔ Secure and Flexible
- ➔ 50+ Case Studies
- ➔ 10+ Projects



COURSE CONTENT

“C” Programming Language (40 Hours)

Course description: The course fully covers the basics of programming in the “C” programming language and demonstrates fundamental programming techniques, customs, and vocabulary including the most common library functions and the usage of the preprocessor. Learning objectives: To familiarize the trainee with basic concepts of computer programming and developer tools. To present the syntax and semantics of the “C” language as well as data types offered by the language To allow the trainee to write their own programs using standard language infrastructure regardless of the hardware or software platform

Course description:

- Introduction to compiling and software development
- Basic scalar data types and their operators
- Flow control
- Complex data types: arrays, structures, and pointers
- Structuring the code: functions and modules
- Preprocessing source code

Introduction

- The C Language and its Advantages
- The Structure of a C Program

Writing C Programs

- Building an Executable Version of a C Program
- Debugging a C Program
- Examining and Running a C Application Program

Data Types and Variables

- Data Types
- Operands, Operators, and Arithmetic Expressions

Input/Output Management

- The Input/Output Concept
- Formatted Input Function

Control-Flow Statements

- The Control-Flow Program Statements
- Looping Statements
- The Data-checking process

Modular Programming with Functions

- The C Function
- Passing Data to Functions
- Passing an Address to Modify a Value in Memory
- Using Functions in the Checkbook Program
- C Standard Library Functions

Arrays, Pointers, and Strings

- Arrays, Pointers, Strings
- Using Arrays, Strings, and Pointers in the Checkbook Program

Structures

- Structures
- Arrays of Structures
- Passing Structures to Functions
- Nesting Structures

File Input/Output

- Command-line Arguments
- Combining Command-line

And Many More...

“C++ programming language”(40 Hours)

Objective: At the end of the course, we expect people to have a good understanding about the concept of object-oriented programming using C++, be able to write and read basic C++ code.

Prerequisite: No prior knowledge about C++ is required, but people are expected to have some basic knowledge about computers, some knowledge about one or two other programming languages such as Perl, PHP, Python or Java etc is preferred.

Course Outlines:

- Introduction to C++. Creating a project, Writing, compiling, and running a program.
- Variables and data types.
- Expressions. Constants. Operators conversions.
- Looping constructs: while, do...while, for loops.
- If...else statements. Switch/case construct.
- Functions.
- Passing arguments. Function prototyping. Default argument initializers. Inline functions.
- Arrays.
- Array initialization. Multi-dimensional arrays. Character arrays. Working with character strings.
- Storage Classes.
- Global variables.
- Pointers.
- Pointer and arrays. Pointers to character strings. Arrays of pointers. Memory slicing. Pointers to functions.
- C++ classes.
- Data members and member functions. Creating objects. The new and delete operators.
- Friends to a class. Class initialization

- Reference types.
- Reference type arguments.
- Function overloading.
- Operator overloading.
- Copy constructor.
- Assignment operator.
- Template classes.
- Static class members. File streams.
- Inheritance.
- Base classes and derived classes. Inherited member access. Base class initialisation. Protected members of a class.
- Virtual functions.
- Virtual destructors.
- Virtual base classes.
- Virtual base class member access.
- Constructor and destructor ordering.
- Exception handling.
- try...throw...catch block. Nested catch handlers.

And Many More...

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WHO CAN LEARN ?

- Anyone who wants to build a career as a C & C++ Developer
- Anyone who wishes to gain knowledge about C & C++
- Students who are currently in college or university
- Any Professional & Business Personas

CAREER OPPORTUNITIES

- Jr. Programmer
- Sr. Programmer
- C & C++ Analyst
- Programming Architect
- Game Programmer
- Software Programmer
- Quality Analyst
- Software Developer

And Many More...

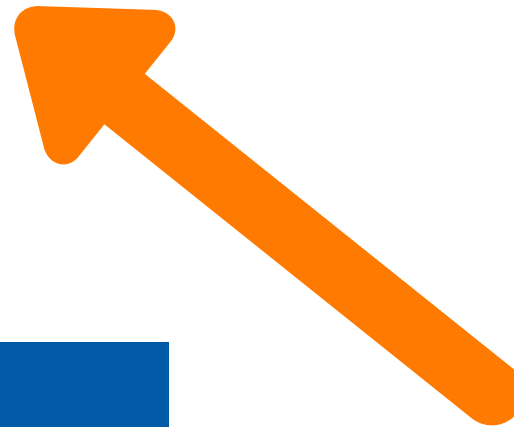


PROCESS FOR **SUCCESS**

GET PLACED

GET TRAINED

ENROLL



FACILITIES OFFERED

- ➔ Practical Training on Live Projects
- ➔ 100% Placement Guarantee
- ➔ Interview Preparation
- ➔ Global Certification
- ➔ Fully functional labs
- ➔ Online / Offline Training
- ➔ Study Materials
- ➔ Expert level industry recognized training





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