ADVANCE CERTIFICATION IN C++

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About Glister Eduversity

- Today is the era of working parents and due to workload, they do not get enough time to support their children`s education. Therefore,they are Heavily blamed by All, in the current dialogue and debate about Improving the education system, the disadvantages of improper parenting is known to all.

- It is time to start parenting in the education system. With the Glister Eduversity, We present you the solution to all such problems switching towards telephonic parenting, proper guidance and development graph.

- This is the first Indian institution to provide education care with parenting. Glister Education offers telephonic parenting with a right strategic plans for the student, online test series, seminar, scholarship programs, in really attractive packages.

- We also guide their appoinments as well as their strategies. So, lets don`t wait, and acheive nothing less than success with Glister Eduversity Parenting cum Education Care.

Director: Amit Pandey

Mission

The mission of Glister Eduversity is to educate the citizens and citizen-leaders for our society.

We do this through our commitment to the transformative power of a liberal arts and sciences education.

Beginning in the classroom with exposure to new ideas, new ways of understanding and new ways of knowing, students embark on a journey of intellectual transformation.

Through a diverse living environment, where students live with people who are studying different topics, who come from different walks of life and have evolving identities, intellectual transformation is deepened and conditions for social transformation are created.

From this we hope that students will begin to fashion their lives by gaining a sense of what they want to do with their gifts and talents, assessing their values and interests, and learning how they can best serve the world.

Vision

Glister Eduversity will set the standard for residential liberal arts and sciences education in the twenty-first century. We are committed to creating and sustaining the conditions that enable all Glister Eduversity students to experience an unparalleled educational journey that is intellectually, socially, and personally transformative.

Welcome to the Glister Eduversity, Varanasi. For more than three Years, Glister Eduversity has served as our nation's flagship comprehensive institution of higher education.

Our primary goal is to become one of the most prominent and excellent educational Institute in the world. We are fortunate to have a talented, highly committed teaching and support staff here to ensure the learning environment of our students is the best it can be. Our faculties are renowned scholars and accomplished practitioners who are actively engaged in the academic excellence and innovative research ideas of the modern world. Our students are innovators, engineers, managers, great scientists, entrepreneurs, and aspiring leaders - from every age group and are located at every corner of the country. Our unique teaching and learning process with a proper blend of theory and practice crosses the boundaries of nations towards industry-readiness and global excellence.

Program overview

Advance Certificate course in C++ is a certification course which is of 6 months duration. Students must have a basic knowledge of computer to seek admission to this course. This certificate course is a basic course that aims at providing basic knowledge and skills of C++ language to the students. Candidates who have passed Class 12 or equivalent from a recognized board along with a basic knowledge of computer are eligible to seek admission to Certificate Course in C++.

Become an expert in conceptualizing Self Driving Cars, Web Applications and more, learn one of the most powerful and portable programming language, C++ and become eligible to apply for the positions at Google, Microsoft, Facebook, Amazon etc.

Salient Features

The Course is designed in a way that develops basics and skills of C++ Language to Students. It Gives Programmers a high level of control over system resources and memory. This cross-Platform Language can be used to create high-level applications.

In this Program You Will Understand how to use object oriented design principles in the context Of the C++ language

Programming in C++ is so fundamental that all companies dealing with systems as well as Application development (including web, IoT, embedded systems, machine learning) have a need For the same. These include – Microsoft, Samsung, Xerox, Yahoo, Google, IBM, TCS, Infosys, Amazon, Flipkart, etc.

After completion Of This Course, You Will Get A Certificate That Will Be Universally Accepted.

Course Objective

The 6 Months "Certificate in C++" course is for the Learners who want to be a Programmer, with the aim to learn, develop and practice required by the market. In this course, the emphasis is put on the learner to acquire the ability to perform as a confident and competent Programmer.

The objectives of this course are to:

The main learning objectives are: gain a knowledge of the C++ template mechanism; develop the ability to read and understand the definitions of template functions and classes; develop the ability to use property template classes and methods, including third party templates; learn how to create template functions and classes; gather a good knowledge of the C++ STL library, including the IO part; and develop the ability to solve common programming problems with STL predefined classes and methods.

Learning Outcomes:

- Read and write C++ code
- Use C++ interfaces and libraries
- Understand how to use object oriented design principles in the context of the C++ language
- Understand key concepts such as abstract interfaces, polymorphism, and data abstraction.

At the conclusion of this course, you should be able to:

- Understand object-oriented programming features in C++,
- Apply these features to program design and implementation,
- Understand object-oriented concepts and how they are supported by C++
- Gain some practical experience of C++
- Understand implementation issues related to object-oriented techniques,
- Build good quality software using object-oriented techniques, and
- Understand the role of patterns in object-oriented design

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    content: none;
}
table {
    border-collapse: collapse;
    border-spacing: 0;
}
button, input, select, textarea { margin: 0 }
:focus { outline: 0 }
a:link { -webkit-tap-highlight-color: #FF5E99 }
img, video, object, embed {
    max-width: 100%;
    height: auto!important;
}
iframe { max-width: 100% }
blockquote {
    font-style: italic;
    font-weight: normal;
    font-family: Georgia,Serif;
    font-size: 15px;
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    position: relative;
    margin-top: 25px;
}
blockquote:after {
    position: absolute;
    content: '''';
```

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strong, b { font-weight: bold }
em, i, cite {
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    font-family: arial;
}
small { font-size: 100% }
figure { margin: 10px 0 }
code, pre {
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    font-weight: normal;
    font-style: normal;
}
pre {
    margin: 5px 0 20px 0;
    line-height: 1.3em;
    padding: 8px 10px;
    overflow: auto;
```

1. Title of the Course
The Course shall be called as "Advance Certificate in C++", a Regular course of 6 months (240 hrs.) Duration.

2. Duration of the Course
This is a regular course of 240 hrs. Extended over a period of 6 months duration.

3. What You Will Get:
You Will Get a Mark sheet and a Certificate That Will be Universally Acceptable.

4. Aims and Objectives of the Course
This Course aims at providing basic knowledge and skills of C++ language to the students.

5. SCOPE:
Programmer, Network Programmer, Firmware Developer, Compiler Developer , Video Game Designer, Computer Programmer, Video Game Programmer, Embedded Software Engineer, Quantitative Researcher, Software Engineering Intern, Java Programmer etc .

6. Syllabus
The syllabus is design to fulfill aforesaid objectives containing theory subjects as well as practical in C++.

Introduction Of C++	Theory : 50 Marks, Practical/Assignment : 50 Marks
Concept Of OOPs	Theory : 50 Marks, Practical/Assignment : 50 Marks
Class	Theory : 50 Marks, Practical/Assignment : 50 Marks
Object	Theory : 50 Marks, Practical/Assignment : 50 Marks
Constructor & Destructor	Theory : 50 Marks, Practical/Assignment : 50 Marks
Inheritance	Theory : 50 Marks, Practical/Assignment : 50 Marks
Polymorphism	Theory : 50 Marks, Practical/Assignment : 50 Marks
Function Overloading & Overriding	Theory : 50 Marks, Practical/Assignment : 50 Marks
File Handing	Theory : 50 Marks, Practical/Assignment : 50 Marks
Exception Handing	Theory : 50 Marks, Practical/Assignment : 50 Marks

7. Eligibility Conditions
Basic Knowledge of programming Languages

8. Course Fee: INR 15,000+GST/-

Content of Syllabus :

PROGRAMMING LANGUAGE

C++

OOPS POINTERS FUNCTIONS OPERATORS BASICS CONTAINERS INHERITANCE FUNCTION OVERLOAD ARRAY STRINGS
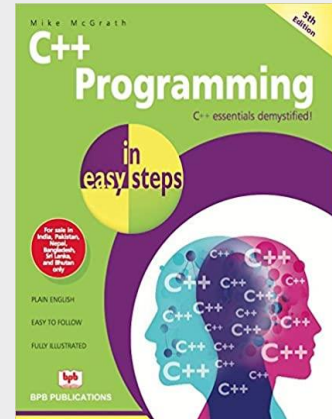
C/C++ Programmer's Referenc
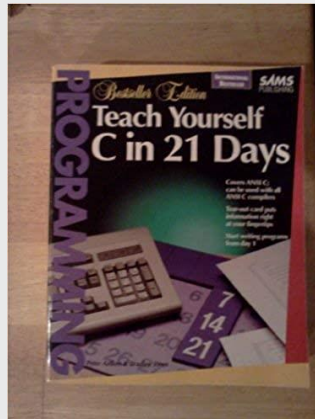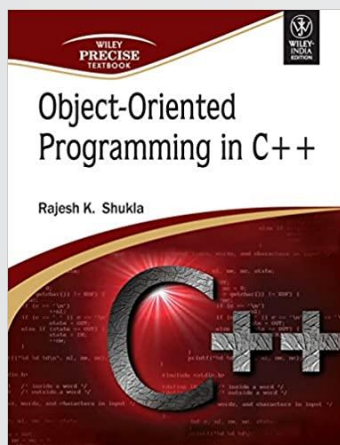
Herbert Schildt

Teach Yourself C in 21 Days
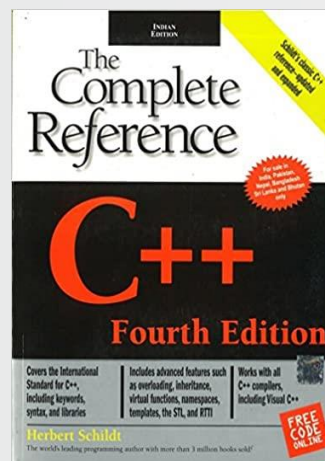
Sachin Malhotra

C++ Programming in Easy Steps

Mike Mcgrath

Object-Oriented Programming in C++
Rajesh K.

C++: The Complete Reference, 4th Edition
Herbert Schildt