

**SOFTCRAYONS**  
Tech Solution Pvt. Ltd



### **Practical Training Program Branch - Ghaziabad, Noida**

- » Graphic Designing
- » Programming
  - Python - Java - PHP ++
  - C++ - C - Ruby On Rails
  - Perl
- » Web Designing
- » Networking - CCNA
  - CCNP- MCITP - MCSE
  - Hardware
- » CAD- CAM-CAE
  - Autocad for Civil
  - Autocad for Electrical
  - Autocad for Mechanical
  - Catia V5 / Staap PRO/
  - Revit / Revit Structure
  - Revet Architecture / Soliworks
  - PRO E / CREOC(Fr - Designers)
  - 3D Max / Inventor / Ansys / Vray
- » Digital Marketing
- » Android Application
- » Sap - ERP - ABAP
  - Erp Basis / Erp-Bi
  - Erp-Bo / CRM/ HR/HCM / MM
  - PP / Controlling / Hana / SCM
  - Finance
- » Software testing
  - Manual testing
  - Automation - testing
  - QTP - Selenium
- » MS Office
- » Tally With GST
- » 1 Angular Js / 2 Angular
  - 3 Angular / 4 Angular
- » Vmware

## **C++ Programming**

### **Module 1. Perspective**

- The software Crisis
- Design Techniques
- Large Software System
- Roots of Objects Oriented Programming
- C++ and Objects Oriented Programming
- Why C++
- Feature of C++
- Post and Cons of C++

## Module 2. The Language of Objects Orientation

- What is an Object?
- What is a Class?
- Encapsulation
- Data Heading
- The Public Interfaces
- Relationship among Classes
- Inheritance
- Polymorphism
- Objects Oriented Design

## Module 3. C vs C++

- Comments
- Simple Output
- Simple input
- Structure Members
- Operators new and Delete
- The bool Data Type
- The string Data Type

## Module 4. Fundamentals of classes

- Data Type
- Using Defined Data Type
- Using the Class Concept
- Defined a Class
- Public and Private Operator
- Constructor
- Member Initializations Lists
- Destructors
- Array of Object
- Pointers
- The This Pointers
- Passing Objects to Function
- Static Class Members

## Module 5. Operator Overloading

- Introduction
- Rules for Operator Overloading
- Rational for Operator Overloading
- Overloading Member Function

- Overloading Non-Member Function
- The copy Constructor
- The Assignment Operator
- Overloading
- Overloading Increment and Decrement
- Operators

## Module 6. Composition of Classes

- Relationships
- Composition of Classes
- The point Class
- The Line class
- Member Initialization Lists
- The Copy Constructors under composition
- Operator = under composition
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## Module 7. Inheritance

- Introduction
- Public Base Classes
- The Protected Access Level
- Compile – Time vs Run – Time Binding
- Virtual Function
- Abstract Base Classes
- An Extended Inheritance Example

## Module 8. I/O in C++

- The iostream Library
- Predefined streams
- Overloading Operator<<
- Manipulators
- Streams state
- Formatted I/O
- Disk Files
- Reading and Writing Objects

### Deployment

1. Deploying using Github
2. Angular2 Hosting Options

3. Hosting Angular App on cloud server Heroku

Batch Timings –

Days	Class Duration	Course Duration
Monday-Friday	2 Hours	1 Month
Saturday & Sunday	3 Hours	1.5 Months
Sunday	4 Hours	2 Months

Regards,

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