



Be a Complete  
**IT Professional**

SHORT TERM IT COURSES



PROFOUND Edutech Private Limited

[www.ProfoundEdutech.com](http://www.ProfoundEdutech.com)

## ABOUT PROFOUND

Profound provides services in the area of IT training, Consulting, Staffing and Software Development to clients globally.

Profound is the company driven by the agenda to equip students with the right mix of sound understanding of the fundamentals and a good understanding of the newest in Information Technologies, thereby increasing their Employability Quotient.

Profound aims of bringing students, educational institutions and corporate closer through academic partnerships, corporate alliances and student placement fairs.

## WHY PROFOUND?

- Expertise in Profound Education, Staffing and Consulting Services
- Truly Quality Education and Focus on Customer Satisfaction
- Course Curriculum Endorsed by IT Industry & Professionals.
- Certified & Industry Experienced Pool of Trainers
- Conveniently located campus, well-equipped Computer labs
- Network with 2500+ leading IT Companies across Globe
- Dedicated Placement Cell for Strong Placement Support

## FRESHER EMPLOYMENT CENTER (FEC)

As a part of the Corporate Social Responsibility, Profound has established Freshers' Employment Center, a platform that will ensure a win-win situation for freshers and recruiters alike. It will be an organized effort for freshers seeking employment and companies seeking recruits. Freshers can enroll with FEC and would be provided orientation and kept posted about opportunities at no cost. So also, companies can register with FEC to hire fresh talent that has been screened by Profound based on the projected requirements.

Desired Qualification : BE | Btech | MCA | MCS | MSc | BCA | BSc | BCS | MBA etc.

Highlights :

- 100% Free Job Assistance
- 50,000+ Interview calls
- Placement with 2,500+ clients
- Free Job Alerts & Technology updates
- Free Trainings by Experts and many more ...

To register visit : [www.ProfoundEdutech.com](http://www.ProfoundEdutech.com)

FB : [www.facebook.com/ProfoundEdutechPvtLtd](https://www.facebook.com/ProfoundEdutechPvtLtd)

## TRAINING FEATURES

We also provide short term skill enhancement courses in Software Technologies and Soft Skills to individuals such as students, job seekers and working professionals.

Following are the focal points of the short term courses :

### Syllabi Supplementation

We have designed our courses to suit the varying needs and aspirations of students at different stages of their careers. Students undergoing graduation can join the course in order to get higher scores in areas that are a part of the syllabus. Sometimes the need might be to acquire requisite knowledge and skills to complete an academic project. Our modules have been specifically designed for supplementing the syllabi taught in colleges.

### Beyond the Curriculum

Sometimes a student might be motivated to get knowledge of advanced topics not covered in the syllabus or acquire early on those proficiencies that are necessary to meet industry expectations. Another might be eyeing international certificates to gain an added advantage in the competitive job market. Some students might wish to undertake new courses merely out of their passion for programming. Whatever be the purpose, Profound is fully geared to satisfy it through its basket of courses.

Following are the key features of our training program that are intentionally designed to make the training more effective and meaningful.

- Alignment of Efforts with Objective :

All components of our training are carefully crafted to achieve the Industry expectations precisely, related not just to technological understanding but for soft skills and aptitude trainings as well. To match the high standards of performance in IT industry, one must be at the best of motivation level. We address this aspect through our motivational sessions.

- Absolute Clarity about Core Fundamentals :

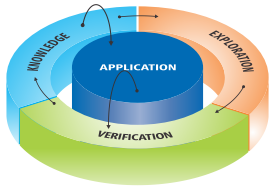
Software technologies are quite fluid. They evolve continuously in pursuit of excellence and flexibility. This leads to multiple frameworks, libraries, versions, plugins on all platforms for all technologies. This results into a chaos of technological jargon and buzzwords in everyone's mind.

We firmly believe that all such latest technologies can be understood very easily if one is absolutely clear on the fundamental concepts of the technology and the need for its further extensions. We insist on this approach through years of our own experience with software and training industry as well as through interactions with hundreds of top notch companies and senior industry experts.

We endeavor to eliminate the hype, fear and chaos and establish order, profoundness and peace about the Knowledge base needed for IT professionals at all levels.

## TRAINING FEATURES

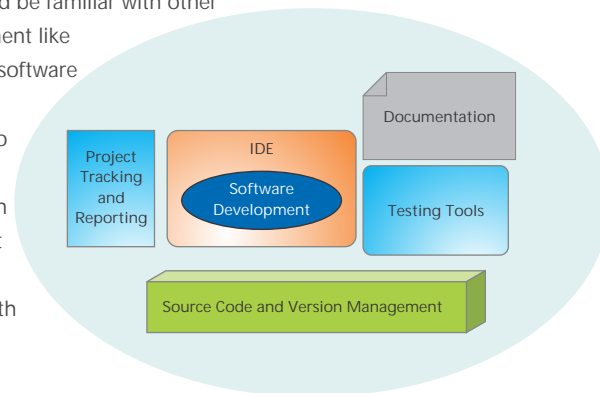
- Know the Complete Canvas before you Start :  
Though very important , software development is just a part of the entire software engineering process. Other aspects like requirement gathering, analysis, software design and basic system testing are also equally important. Our training focuses mainly on the development part of the process but without being oblivious to other aspects.
- Incremental Learning :  
Every technology has a pre-requisite. One tends to jump directly to the 'HOT' technology of the day without fulfilling the pre-requisites. This may lead to a 'jump-start' but eventually results into 'crash-landing' of one's career. We design our trainings in a way that ensures each pre-requisite to be met before starting a new one. We call this as "Incremental Learning".
- Training Life Cycle: Knowledge, Application, Exploration, Verification :



Training is not just transfer of knowledge. One should apply it practically to be confident about its application scenarios in real life. We ensure this through a rich set of assignments and projects to be developed by the participants. We evaluate the participants through different examinations that are scheduled with appropriate frequency.

- Understand the Entire Ecosystem of Software Development :

A software professional should be familiar with other aspects of software development like requirement documentation, software design, Latest Integrated Development Environments to boost productivity, testing tools, source code and version management systems, project tracking tools etc. We familiarize our participants with this ecosystem of software development process.



- Involvement of all Stake Holders :  
Candidate enrolled for a course is one stake holder in the training activity. For the software industry, the candidate is their future potential intellectual asset. Parents don't just invest their money in education, they invest their 'hope' for a better and stable career for their ward. We respect and acknowledge these stake holders by involving them through a bilateral dialogue in the trainings proceedings.

## C PROGRAMMING

Duration : 80 Hrs.

Pre-requisite :  
Basic Computer Knowledge

Contents :

- Introduction to C
- Tokens, Expressions, Data Types, Operators
- Control Flow statements: Conditional, Iterative
- Functions
- Pointers
- Arrays: 1D, 2D
- Strings
- Storage Classes
- Dynamic Memory Allocation
- Structure, Union
- File Handling and Input Output Management
- Linked List
- Searching and Sorting techniques
- Miscellaneous: Command Line parameters, Pre-processor directives, Variable number of parameters

Key Learnings :

- Ability to analyze problem statement and design algorithms.
- Implement algorithms in C.
- Use Integrated Development environments (IDE) for development, execution and debugging applications.
- Understand memory level details of programming..

Recommended Next Course :

Any Object oriented programming language like C++ (recommended), Java, C#

## C++

Duration : 56 Hrs.

Pre-requisite :  
C Programming.

Contents :

- Concepts of Object Oriented Programming
- Class and Object
- C++ as a better C
- Operator Overloading
- Inheritance
- Polymorphism
- File IO
- Exception Handling
- RTTI, Type Casting
- Templates
- Namespaces
- Standard Template Library

Key Learnings :

- Ability to analyze problem statement and develop a OOP design.
- Implement OOP design using C++.

Recommended Next Course :

Advanced Technologies like .NET or Java

## DATA STRUCTURES

Duration : 72 Hrs.

Pre-requisite :

C++ Programming

Contents :

- Overview of Data structures
- Linear and non-linear data structures
- Stack
- Queue
- Linked list: Single, Double and Circular
- Tree
- Advanced concepts in Trees
- Graphs
- Hash table
- Searching and sorting techniques

Key Learnings :

- Understanding of all data structures available for storing data.
- Do a comparative analysis of data structures and select the one that suits the best for a situation.
- Implement all data structures in an Object Oriented manner.

Recommended Next Course :

Advanced Technologies like .Net, Java or PHP

## DATABASE TECHNOLOGIES

Duration : 52 Hrs.

Pre-requisite :

Introduction to Programming

Contents :

- Fundamentals of Database
- Concept of data Integrity, Normalization
- Understanding SQL: DDL, DML, DCL
- Understanding PL-SQL
- Views and Cursors
- Stored Procedures
- Functions
- Triggers
- Indexes
- Clusters, Packages, Exceptions
- Database backup and Recovery

Key Learnings :

- Sound understanding of concepts of database systems.
- Skills for designing, creating and managing database for a system.
- Basic database administration capabilities.
- Industry practices for accelerating data access.

Recommended Next Course :

Advanced Technologies like .Net or Java

## WEB PROGRAMMING FUNDAMENTALS

HTML

Duration : 15 Hrs.

Pre-requisite :

Basic computer knowledge

Contents :

- HTML Basics: Structure, Elements and Attributes
- Various Input fields in html
- Tables, Frames, Lists, Layouts
- Fonts, Colors
- Images, Audio, Videos
- HTML Forms
- Cascading Style Sheet

Key Learnings :

- Ability to write presentable web pages.
- Present different type of contents like text, images, videos etc
- Use of different browsers available to render html pages..

Recommended Next Course :

Java Script

JAVA SCRIPT

Duration : 15 Hrs.

Pre-requisite :

HTML

Contents :

- Java Script Language basics
- Variables, Data Types, Functions, Operators
- Control flow using conditional and Iterative statements
- Managing HTML DOM and Events
- Java Script Objects
- Window Management using Java Script

Key Learnings :

- Perform basic data processing and data validation on the client side.
- Read and manipulate html DOM
- Writing simple web based client side utilities

Recommended Next Course :

Advanced Technologies like .Net or Java

XML

Duration : 20 Hrs.

Pre-requisite :

HTML, Java Script

Contents :

- XML Basics: Structure, Elements and Attributes
- XML Schema, DTD
- XML Editors: Using Altova XML Spy
- XML DOM, Parsers
- Validation of XML
- XML CSS and XSLT
- XML Namespaces
- XML HTTP Request Object

Key Learnings :

- Representing data in the form of a valid XML document
- Use of XML editors
- Representing XML Document with HTML.

Recommended Next Course :

Advanced Technologies like .Net or Java

## CORE JAVA

Duration : 80 Hrs.

Pre-requisite :

C Programming, (Preferably C++)

Contents :

- Installation and settings of Java
- JDK, JVM, Classpath etc
- Packages, Eclipse IDE
- OOP in Java
- Inheritance and Polymorphism
- Interfaces
- Exception Handling
- Generics and Collections
- Multi-threading
- Thread Synchronization
- Java Util, Wrapper Classes
- Swing
- Annotations
- Input and Output management
- Managing Files and Directories
- Networking programming
- JDBC
- Handling Transactions

Key Learnings :

- Write platform independent applications
- Deploy and run such applications on different platforms
- Object oriented modelling in Java
- Design and development of multi-threaded database applications

Recommended Next Course :

Advanced Java, Mobile Application development using Android

## ADVANCED JAVA

Duration : 72 Hrs.

Pre-requisite :

Core Java

Contents :

- Servlet Basics, Servlet life cycle
- Servlet Deployment , Web.xml file
- ServletContext and ServletConfig
- Include, Forward, sendRedirect
- Session and State management
- Page, Request, Session and Application Scopes
- Java Beans
- Advanced JDBC concepts
- JSP: Different elements, Life Cycle
- JSTL, Expression Languages, Custom Tags
- Using Glassfish: Installation and Deployment
- MVC Architecture
- Struts Framework
- Hibernate
- EJB : Session, Entity and Message driven beans
- Introduction to Spring Framework

Key Learnings :

- Write web applications using Java
- Deploy web applications using different web servers on different platforms
- Develop flexible extensible architecture using MVC pattern

Recommended Next Course :

Enterprise Application development using Java, Mobile Application Development on Android

## ENTERPRISE JAVA

Duration : 60 Hrs.

Pre-requisite :

Advanced Java

Contents :

- EJB
  - Understanding EJB
  - Implementing Session, Entity and Message driven beans
  - JNDI, JMS on Glassfish server
  - Concept and application of Web Services
- Struts
  - Struts MVC Framework
  - Inversion of Control (IOC) container
- Hibernate
  - ORM using Hibernate
  - Java Persistent API (JPA)
- Spring
  - Fundamentals of Spring Framework
  - Inversion of Control (IOC) container
  - Aspect Oriented Programming
  - Spring MVC
  - Spring JDBC
  - Transaction Management

Key Learnings :

- Use of peripheral frameworks for better design and architecture of Java systems
- Practical skills in using latest cutting edge technologies in Java

Recommended Next Course :

Design Patterns

## C#

Duration : 76 Hrs.

Pre-requisite :

C Programming, (Preferably C++)

Contents :

- Introduction to .Net Framework
- Using Visual Studio 2010
- OOP : Class, Object
- Inheritance, Polymorphism
- Interfaces
- Properties
- Indexers
- Attributes : Standard and Custom
- Exception Handling
- File IO and Serialization
- Multi-Threading
- Thread Synchronization
- Reflection
- Events and Delegates
- WinForms
- Custom controls
- ADO.NET : Connected/Disconnected Architecture
- Data Binding and data bound controls
- Generics and Collections
- Handling XML
- Deployment of .Net applications
- Introduction to WPF, WCF, WF

Key Learnings :

- Write applications that run on any Windows OS
- Develop different artifacts of .Net system like DLLs, Console App, GUI
- Object Oriented Modeling
- Design and development of multi-threaded database applications

Recommended Next Course :

ASP.NET

## ASP.NET

Duration : 76 Hrs.

Pre-requisite :

C#

Contents :

- Introduction to Asp .NET
- Using IIS server, Creating virtual directories
- Asp .NET Web server Controls, Validation controls
- Custom Controls, User Controls
- Page Life Cycle
- Page Designing: Master pages, Skins, Themes, CSS
- Session and State management
- Site Navigation and Personalization
- Security: Membership, Roles, Permissions
- Data Binding and Ado. Net
- Caching: Page level, Partial caching
- Debugging, tracing and error handling
- Language Integrated Queries (LINQ)
- Web administration
- Web services
- Concept of AJAX
- Using AJAX toolkit
- Deployment of web application
- Introduction to MVC

Key Learnings :

- Develop and Deploy web applications using ASP.NET
- Focus on robustness and performance of web application by exploiting .Net features
- Improved productivity in web development process

Recommended Next Course :

Advanced .NET

## ADVANCED .NET 4.0

Duration : 40 Hrs.

Pre-requisite :

ASP.NET

Contents :

- Web-services: Concept and Implementation
- Concept of Ajax, .NET Ajax Toolkit
- Using Silverlight
- Windows Presentation Foundation
- Windows Communication Foundation
- Workflow Foundation
- Introduction to Microsoft SharePoint

Key Learnings :

- Develop and Deploy web applications using .NET 4.0
- Focus on robustness and performance of web application by exploiting .NET features
- Improved productivity in web development process.

Recommended Next Course :

Design Patterns

## PHP

Duration : 68 Hrs.

Pre-requisite :

HTML, Java Script

Contents :

- Basics of PHP
- Basic syntax, Types, Variables, Constants, Expressions, Operators, String Operators, Array Operators
- Control Structures
- PHP Language reference
- Functions in detail, Classes & objects, Namespaces, Pre-defined variables, References
- Using Web Forms
- Data validation
- Data Filtering
- Exceptions
- Session and State management
- User Identification
- Working with Databases
- Handling XML
- File handling
- Sending emails
- Regular Expression
- AJAX using PHP

Key Learnings :

- Develop and Deploy web applications using PHP
- Improved productivity in web development process

## ANDROID PROGRAMMING

Duration : 68 Hrs.

Pre-requisite :

Core Java

Contents :

- Mobile Computing Environments
- Challenges in MAD
- Android -History
- Android -Architecture, Flow, Components, Software Requirement
- Anatomy of Android Applications
- Android Components
- Event-Handling, Layouts
- Intent (Explicit & Implicit)
- Advanced UI (AdapterView), ActivityForResult
- Menus
- Dialogs
- Notifications
- BroadcastReceiver
- ContentProvider
- Sensors
- LocationService
- Services
- Multitouch
- Camera Application

Key Learnings :

- Develop and Deploy Mobile applications on Android
- Understanding and Using Android Marketplace.

Recommended Next Course :

Advanced Android Programming

## SELENIUM WEBDRIVER

Duration : 50 Hrs.

Pre-requisite :

Software Testing concepts, Knowledge of Programming

Contents :

OOPs concepts & Core java

Selenium IDE Introduction

Selenium WebDriver

- Architecture of WebDriver
- WebDriver Interface
- Download and Configure WebDriver with Eclipse
- How to use & debug in Eclipse
- Simple Testcase
- Cross Browser Testing – Firefox, IE, Chrome, HtmlUnitDriver
- UI elements & Locators
- Handling various WebElement using WebDriver

Testing Framework and Tools

- Introduction & Types of frameworks
- TestNG introduction and Configuration with eclipse
- Benefits and Features of TestNG
- TestNG Annotations and Data Providers
- Creating Test Suit with TestNG
- TestNG Reporters, Assets, Parameters
- Multi browser testing in TestNG

Develop Hybrid Framework

- Developing Hybrid Framework for Web Application using WebDriver /TestNG and Maven
- Use external Data for Testing (Excel sheet, xml files, Property file )
- Reading and understanding reports

Key Learnings :

- Building a new test framework using webdriver, TestNG and Maven

## CLOUD COMPUTING

Duration : 40 Hrs.

Pre-requisite :

Experience in Software Development and Engineering

Contents :

- Understanding Cloud
- Characteristics of a cloud based computing
- Concept of Virtualization
- Cloud computing services: IAAS, PAAS, SAAS
- Cloud Delivery models
- Public, Private, Hybrid and Community Cloud
- Using Major clouds

Key Learnings :

- Understanding of benefits and challenges in cloud base computing
- Ability to select appropriate cloud based service option

Recommended Next Course :

Workshops on Advanced Cloud Computing

## JOB ORIENTED PROGRAMS WITH 100% JOB ASSISTANCE

ELIGIBILITY :

BE/BTech, MCA, MCS, MCM, Msc, BCA, BCS, BSc. etc

PRE-REQUISITES :

1. Basic Knowledge of C Programming.
2. Good Communication Skills.

DST - DIPLOMA IN SOFTWARE TESTING

Duration : 1.5 months

Contents : Programming Fundamentals | Manual Testing | Automated Testing | Project Soft Skills

DJT - DIPLOMA IN JAVA TECHNOLOGIES

Duration : 2 months

Contents : Programming Fundamentals | Core Java | Advanced Java | Project | Soft Skills

DNT - DIPLOMA IN .NET TECHNOLOGIES

Duration : 2 months

Contents : Programming Fundamentals | C#.NET | ASP.NET | Project | Soft Skills

ADOT - ADVANCED DIPLOMA IN OPEN SOURCE TECHNOLOGIES

Duration : 3 months

Contents : Programming Fundamentals | Web Fundamentals | Linux | PHP | Python Perl | MySQL | Project | Soft Skills

## DIPLOMA PROGRAMS WITH 100% JOB ASSISTANCE

ELIGIBILITY : BE | BTech | MCA | MCS | MCM | MSc | BCA | BCS | BSc etc

PRE-REQUISITES : Basic Knowledge of C Programming.

DST - DIPLOMA IN SOFTWARE TESTING

- Duration : 1.5 Months

DJT - DIPLOMA IN JAVA TECHNOLOGIES

- Duration : 2 Months

DNT - DIPLOMA IN .NET TECHNOLOGIES

- Duration : 2 Months

## ADVANCED DIPLOMA PROGRAMS WITH 100% JOB ASSISTANCE

ELIGIBILITY : BE | BTech | MCA | MCS | MCM | MSc | BCA | BCS | BSc etc

PRE-REQUISITES : Basic Knowledge of C Programming.

ADJT - ADVANCED DIPLOMA IN JAVA TECHNOLOGIES

- Duration : 3.5 Months

ADNT - ADVANCED DIPLOMA IN .NET TECHNOLOGIES

- Duration : 3.5 Months

ADOT - ADVANCED DIPLOMA IN OPEN SOURCE TECHNOLOGIES

- Duration : 3.5 Months

## PLACEMENTS

We have a dedicated placement team of experienced members for providing 100% Job Assistance with 2500+ leading IT companies like Capgemini, TCS, Wipro across India. This is available free of cost to all qualified students of profound.

Apart from arranging daily campus interviews, Profound will arrange Mega Placement Job Fairs every year wherein leading IT companies will conduct campus interviews for the qualified and eligible students.

We also conduct placement workshops so as to prepare the students to face the campus placement cycle of aptitude test, GD, Interviews etc thereby helping them increasing their Employability Quotient.

## RECRUITERS

Following is the partial list of companies those who recruit Trained Freshers.

- Accenture
  - ADP
  - Amdocs
  - ATOS
  - Aurus Tech
  - Barclays
  - Bitwise
  - BlueStar
  - Calsoft
  - Capgemini
  - Cognizant
  - Collabera
  - Compassities
  - Crest
  - Datamato
  - Deloitte
  - DriveEdge
  - Educe
  - EON Hewitt
  - Eternus
  - Ezest
  - Fildeltech
  - Fiserv
  - Fujitsu
  - Futurism
  - GradMener
  - Harbinger
  - HCL
  - Hexaware
  - Hitachi
  - HSBC
  - Impetus
  - Infobeans
  - Infostretch
  - Infosys
  - Infracore
  - KnightFrank
  - KPIT
  - L&T Infotech
  - Lumedx
  - Mastek
  - Merce
  - Microland
  - Mindcraft
  - MindTree
  - Mithi
  - Mphasis
  - Opus
  - Persistent
  - Polaris
  - Prototech
  - QED
  - QualityKiosk
  - QuickHeal
  - R-systems
  - Saama
  - Sears
  - SmartCloud
  - Spiderlogic
  - Symphony
  - Synchrotron
  - Syntel
  - TechMahindra
  - Tibco
  - Verchaska
  - WDC
  - Webtech
  - Wipro
  - WNS
  - Xento
  - Yardi
  - Zensar
  - ZS Associates
- And many more....





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