

## DOT NET

### **C# Programming**

Product Code: ST-SD-10010

Duration: 80 hrs

Prerequisite

- C Programming
- Knowledge of object-oriented programming would be an advantage.

Take Aways

- Apply OOAD concepts to build C# applications.
- Develop console based applications using C#.
- Develop windows applications using C#.
- Create database applications using C#.

Course Contents

- Object-oriented concepts
- Introduction to .NET Framework
- Writing C# classes
- Language Fundamentals
- Inheritance and Polymorphism
- Exception Handling
- Attributes and Reflection
- Collections Framework
- Delegates and Events
- Windows Applications using WinForms
- File I/O & Serialization
- XML using .NET
- Multithreading
- ADO.NET
- Deployment
- WPF, WCF, WF basics

## Recommended Next Course

- ASP.NET

## ASP.NET

Product Code: ST-SD-10011

Duration: 80 hrs

### Prerequisite

- C# programming
- Knowledge of Web Technology fundamentals like HTML, Java Script or VB Script would be an advantage.

### Take Aways

- Create a rich GUI for web based applications using a rich set of controls.
- Create secure (authentication and authorization) web applications.
- Personalize a web page using Web Parts.
- Create asynchronous web applications using ASP.NET AJAX.
- Create and use web services.
- Deploy web applications.

### Course Contents

- .NET Framework
- Web Technologies
- Web Sites and Page Frameworks
- ASP.NET Server Controls
- ASP.NET State Management and Caching
- ASP.NET User Controls
- ASP.NET Custom Controls
- Master Pages and themes
- ASP.NET Data Access
- LINQ
- ASP.NET Security
- ASP.NET Personalization
- Globalization
- ASP.NET Navigation

- Web Administration
- WebPart Personalization
- Web Services
- ASP.NET AJAX
- Deployment

#### Recommended Next Course

- MCTS Preparation
- SharePoint
- SQL, PL/SQL
- Project Readiness Programme

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