

Basic and Advanced C# Programming



Programme duration

128 hours

Option of weekend or evening classes

Qualification description

The basic module starts off gradually by explaining the easier C# programming concepts first. This lays a base for students to work from. From there on, the more intermediate, and difficult concepts are explained. Examples of all the concepts are provided and incorporate the concepts discussed in a particular section.

The concepts covered in the easier sections are the C# compiler, object-oriented programming, data types, expressions, and program control statements. Later down the line, classes, modifiers, constructors, destructors, encapsulation, and exceptions are also discussed in detail. The most advanced concepts entail delegates, events, Windows forms, controls, and the Collections framework. These are dealt with under the Graphical User Interface section.

Students will have to incorporate all taught concepts into the given projects. This project will also require user documentation. The user documentation will consist of author details, installation details, design details, and any extra information which may be relevant to the project.

The advanced module introduces the use of ASP.NET to create web pages, explains distributed computing, and how to create Windows and Web Services. Advanced Windows applications include user controls, deploying applications, maintaining and supporting applications, attributes, reflection, file input and output, and ADO.NET. ASP.NET includes basic HTML, Web Form programming, validation controls, data binding, and accessing database information. Distributed computing consists of XML Data and .NET remoting.

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