

Microsoft Visual Studio.net

[Console + ADO.net + LINQ + ASP.NET + AJAX + XML + WCF + MVC]

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Course Content

Introduction to .NET Framework

Explore NET Framework 4.5

Understand Common Language Runtime

Understand the role of CTS and CLS Learn about Base Class Libraries

Difference between Managed Code and Unmanaged Code

Core C# Programming

Working with Console Class (Input and Output)

Learn how to create C# Data Type and Variable

Learn about Data Type Conversions Working with Operators

Creating Conditional and Looping Constructs

Working with Arrays and Array functions

Implementing Methods and Parameters

See how to use Named and Optional Parameters

Explain the Difference between Value Types

Object Oriented Programming

Creating Class and Object

Explore OOP Features with examples

Working with Constructor and Destructor

Learn about Modifiers and Access Specifiers

Learn how to use Abstract Class and Interface

Developing Namespaces and Assemblies Using Exception Handling Working with File I/O Operations

Designing and Implementing

Databases with MS SQL Server 2012

Familiarizing SQL Server 2012

Creating Tables and Constraints

*Implement Aggregate Functions, Order by and Group by Join and Sub Query
Creating Stored Procedures Backup, Restoring & Moving a database*

ADO.NET

Learn about Data Binding

Create Database Application (Data Reader and Dataset)

Grid View & Data Controls

Learn how to use XML and ADO.NET

HTML 5

Describe HTML 5

Creating <canvas> element for 2D drawing

Creating <video> and <audio> elements

Implement content-specific elements <article>, <footer>, <header>, <nav>, <section>

Working with controls- calendar, date, time, email

Working with New Form Elements

JavaScript

Define JavaScript

Create and Manipulate Variables

Implement Functions

Learn how to use JavaScript Events

Developing Popup Boxes

How to use Client Side Validation

CSS 3

Define CSS3

Type of Selectors

Use Box Model

Implement Backgrounds and Borders

Use Text Effects Working with Multiple Columns

Explore User Interface

ASP.NET Web Application Development

Web Application Fundamentals

Standard Web Controls & Events

Working with Navigation Controls

Rich Server and Validation Controls

Create Web User Control

State Management

Create & manipulate

Managing Session

Implementing View State

Create and manipulate Query Strings

Managing Cookies

Customizing Web Applications

Implementing Themes and Skins

Implementing Web User Control

Master Pages and Content Pages

Using Site Map Control

Advanced technologies in ASP.NET

Introduction to Ajax.net

Introduction to WCF.

Introduction to XML.net

XML to DB and DB to XML.

C# Advanced Features

Working with Delegates and Events

Creating Collections and Generics

Learn about Language Integrated Query (LINQ)
Create Private and Shared Assemblies
Explore Dynamic Types and DLR
Creating Processes and AppDomains
Threading and Multi Threaded Application
Create and implement Object Serialization

New Features in NET 4.5

Authentication and Authorization

Explain about Authentication and Authorization
Describe Anonymous Authentication
Understand Windows Authentication
Learn how to use Forms Authentication

Using Entity Framework

Generating and Querying an Entity Data Model (EDM)
Querying data using object Services
Customizing the Entity Data Model

MVC 4-5

Creating MVC Models
Creating a Data Repository
Implementing MVC Controllers
Implementing MVC Views

Live Project

Create Live Project Based on MVC and using Other .net concepts.

Duration : 4 Months

Eligibility : Knowledge of C Programming Lang.

Available Batches : Regular Batch -> Monday-Saturday

WeekEnd Batch -> Saturday and Sunday

Fast-Track Batch -> 4 to 5 hrs daily

Present & Future Scope

Got placements in Mid and Large size co.s
Dotnet 100% oops (Object Oriented Programing)
New Features MVC boost up demand of dotnet
For long term dotnet is good technology
Preferes for Web and Window base development
Giant ERP mostly developed using Dotnet technology

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