

Advanced .NET Training



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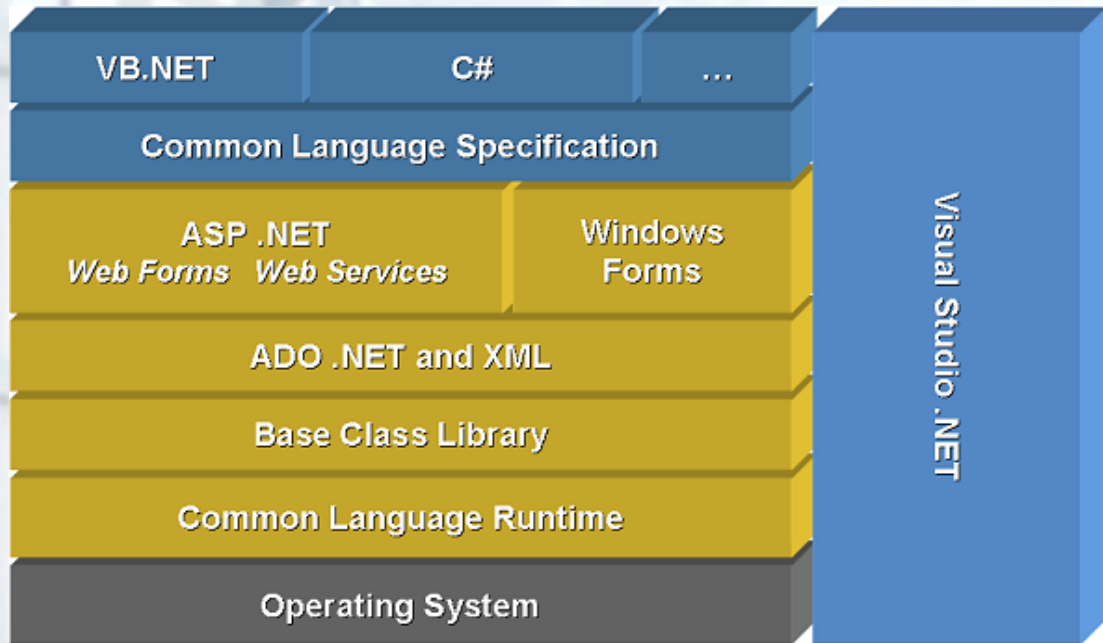
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VISUAL STUDIO .NET FRAMEWORK

Introduction to .Net Frame work – Common Language Runtime - .Net Framework Class Library – ADO.NET – Assemblies – Dynamic Source Code Generation & Compilation – Common Type Systems – Configuring Applications – Extending Design Time Support – Events – Exceptions – Garbage Collection – Graphics & Drawing – Globalization & Localization of Applications – Cross Language Interoperability – Language Integrated Query (LINQ) – Managed Execution – Assemblies – Mobile Development – Networking – Reflection – Security – Threading – Windows Communication Foundation Overview – Windows Presentation Foundation Overview – Windows Service Applications



Duration
60 Hours

VISUAL BASIC .NET

Introduction to Visual Basic.Net – Exploring Visual Studio .NET - Creating a Windows Application Project - Classes, Methods, Properties, Access Modifiers - OOPs Implementation: Inheritance, Interfaces, Polymorphism – Delegates – Multi threading – Arrays – Boxing & UnBoxing – Assemblies – Class Libraries – File Concepts – I/O Handling – Building Windows and Console Applications – Creating Win Forms – Use of Controls in Win Forms – Building Menu Bar – Building Tool Bars – Building Context Menu – File Handling – MDI Application Building - Exception Rising – Exception Handling & Debugging Win Apps – Understanding VB.Net's Integrated Debugging Environment – Errors: Compile Time, Run Time & Logical – Error Handling: writing, Creating & Logging Exception Handling in Code

VISUAL C# .NET

Getting Started - Introduction to .NET and the .NET Framework - Exploring Visual Studio .NET - Creating a Windows Application Project. Understanding C# Language Fundamentals – Understanding the Fundamentals of a C# Program - Using C# Predefined Types - Writing Expressions - Creating Conditional Statements - Creating Iteration Statements - Creating Objects in C# - Defining a Class - Declaring Methods - Implementing Object- Oriented Programming Techniques in C# - Using Inheritance - Using Polymorphism Programming with C# - Using Arrays - Using Collections - Using Interfaces - Using Exception Handling - Using Delegates and Events - Building .NET-based Applications with C# - Examining the .NET Framework Class Library - Overriding Methods from System - Creating an Application that uses ADO.NET to Access Data - Changing Database Records - Creating Windows-based Applications - Creating the Main Menu - Creating and Using Common Dialog Boxes - Creating and Using Custom Dialog Boxes - Creating and Using Toolbars - Creating the Status Bar - Creating and Using Combo Boxes - Using XML Web Services in a C# Program

Duration

60 Hours

ASP .NET

Introducing ASP.Net – ASP Vs ASP.Net – Client Server Communication – Three-tier Architecture – Namespaces & Objects – Controls: HTML Controls, Server Controls, Validation Controls, Web Forms, Master Pages – Building Controls – Use of Controls– Binding Data to ASP.Net Server Controls – Accessing data from a database using ADO.Net – State Management and Web Configuration: Client Side, Server Side, Web Config File, Global File – Debugging and Tracing Errors – Template Controls: Grid View, Data List, Form View, Repeater – Security in ASP.Net using Website Administration Tool – Introduction to Web Security and Authentications – Security Considerations – Relationship between IIS and ASP.Net – Authentication Methods – Authorization & Impersonation – Code Access Security – State Management – Themes & Skins – Creating a Web Application by using ASP.Net.

ADO .NET

Getting Started with ADO.NET - Connecting to a Database and Retrieving Data - Best Practices for Managing Connections and Performing Queries - Modifying Data by Using ADO.NET Commands: Inserting, Updating, and Deleting Data – SqlDataSource - LINQ DataSource - Object datasource - GridView - DetailsView - FormsView - DataList – Repeater - Managing Data Integrity and Concurrency Querying and Maintaining Data by Using Datasets - Creating and Using a DataSet to Retrieve Data - Updating a Database by Using a DataSet

CRYSTAL REPORTS

Introduction to Reports – Introduction to Crystal Engine – Advantages of Crystal Reports over conventional Data Reports - Creation of Crystal Report Format – Crystal report Integration – Discussion on Data Handling and Reports

PROJECT WORK IN ADVANCED .NET

Development and Implementation of a real-time project using Advanced .Net