

.NET

.NET Industrial Training

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About Course

. NET Framework Industrial Training makes candidates proficient in tasks like developing query operators; constructing XML fragments with XElement; Crystal Report formatting; hosting WCF services; creating Workflow-enabled applications; creating WPF simple applications etc.

.NET INDUSTRIAL TRAINING

CURRICULUM

① Introduction To .NET

Overview of the .NET Framework
How .NET is Different from Traditional Programming
Common Language Runtime (CLR)
Common Language Specification (CLS)
Common Type System (CTS)
.NET Namespaces
.NET Framework Class Library

② Language Fundamentals

C# Program Structure
Defining Namespaces
Understanding C# Data Types
Defining Variables and Constants
Comparing Value Types versus Reference Types
Working with Operators and Expressions
Formatting Numbers, Date and Times

③ Functions And Parameters

Defining Static and Instance Functions
Passing Parameters by value and by reference
Overloading Functions
Optional Parameters
Using Variable Length Parameter Lists

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Defining And Using Arrays

Using .NET Collections
Working with ArrayLists and Hashtables
Working with Lists and Dictionaries
Introducing LINQ

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Introducing ASP.NET

Overview of ASP.NET 4.0
Understanding Client-Side vs. Server-Side Execution
Working with Web Forms
Understanding ASP.NET Application Folders
Using Web.config

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Using Controls

Working with HTML Controls
Creating Controls at Runtime
Working with Web Controls
Defining and Using Custom User Controls

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Validation

Using .NET Collections

Working with ArrayLists and Hashtables

Working with Lists and Dictionaries

Introducing LINQ

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Maintaining State

Understanding why the Web is Stateless

Maintaining State within ASP.NET Applications

Using the Application Object

Using the Session Object

Using the ViewState Object

Reading and Writing Cookies

Using the Query String

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Using XML

Understanding XML and XML Schemas

Reading XML Data with a DataSet

Writing XML Data with a DataSet

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Securing ASP.NET Applications

Understanding the ASP.NET 4.0 Security Models

Authenticating Users

Authorization User Requests

Using the ASP.NET Login Controls


Using the ASP.NET Web Site Administration Tool



 www.softcrayons.com

 info@softcrayons.com

 (+91) 854 501 2345

 693, Sector 14-A, Vasundhara,
Ghaziabad (U.P.), 201012

   @softcrayons