

INDUSTRIAL TRAINING
C#,.NET

Duration: 45 Hours

0731-4069788

**C#
ASP.NET
INDUSTRIAL
TRAINING**

C#

- ❖ Introduction to .NET 5.0 Introduction of C# Language,
- ❖ , Platform Dependence , Independence & Portability, Introduction of .NET Framework, Introduction of Compiler & MSIL, Introduction of CLR, Introduction of CLS, CTS, CLIType of Application of JAVA
- ❖ Data type using Primitive type and Derived class
- ❖ Operator and Conditional Statements (if, if—else, nested, else if, multipleif)
- ❖ Control Structure and Switch Statement, Nested Switch Statement
- ❖ Array (One dimension, Multidimensional, Jagged, Object)
- ❖ String class, String Buffer Class, String Builder Class
- ❖ OOP's Introduction, Class and Object, Type of Class, Inner class, Anonymous object, Generic Class, Data abstraction, Encapsulation, Polymorphism, Constructor, Garbage collector, Inheritance, Abstract class, Interface, base Keyword, this Keyword
- ❖ Exception Handling
- ❖ File Handling , Reflection, Serialization and Deserialization
- ❖ Multithreading, explain Thread, Runnable, Collection Framework

ASP.NET MVC Framework

- ❖ Introduction to .ASP.NET MVC The role of the Model, View and Controller Key benefits of ASP.NET MVC
- ❖ Getting Started with ASP.NET MVC ASP.NET MVC project templates, Understanding the structure of an ASP.NET MVC project, Naming conventions, Creating views, Defining controllers, Defining a data model
- ❖ Creating a Complete ASP.NET MVC 5.0 Application Creating , strongly-typed views, Understanding URLs and action methods, Using HTML helpers, Handling form post-backs, Data validation.
- ❖ Using the Razor View Engine Getting started with Razor, Razor design goals, Implementing a Razor view Razor syntax Accessing Model Data in Razor views ∞ Industrial-Strength ASP.NET MVC Application ASP.NET application architecture best practices, Implementing a Repository and Entity Framework Data Model, Using Dependency Injection, Implementing a custom controller factory
- ❖ View Techniques Defining and using custom HTML Helpers defining a layout/MVC Master Page Using Styles, Defining and using partial views, Razor Helper Method syntax ∞ Implementing Navigation in MVC web apps Defining view-model classes, Implementing Data Filtering in a Controller,
- ❖ Understanding The Routing mechanism, Adding custom entries to a route table, Defining defaults, parameters, and validation, Generating URLs and Hyperlinks, Custom Route constraints
- ❖ MVC State Management Using hidden fields, Session and Application State, Custom model bindings
- ❖ Additional Techniques View Scaffold Templates, Controller Scaffold Templates, Global Filters, Model binding, Asynchronous Controllers
- ❖ Entity Framework implementation using Code First, Data First, Model First Approach
- ❖ LINQ Introduction, Stored Procedure implementation in LINQ to entity
- ❖ Login Form, Registration Form, Session, Cookies, ACL
- ❖ File Uploading, AJAX, Validation, MVC, LIVE PROJECT IMPLEMENTATION

Design tools

- ❖ HTML5, CSS3, JS, JQuery, Angular

Database and SDLC

- ❖ SQL Query, Table, Relationship
- ❖ SDLC, E-R Diagram, DFD, CLASS Diagram, Use Case Diagram, SRS, Synopsys, Project Report

