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- Windows Store application development
- Web application development
- MCSD (Microsoft Certified Solution Developer)
- Industry Recognized Inventated Certification





18,599+ Success Stories

Here is what they say about INVENTATEQ.



Thanks for the best Training. Now I can able to crack all the interviews with my gained knowledge. I'm very happy to be the one of the student in Inventateq Bangalore...

KARTHIK



Hi friends, my name is Rajesh and I am one of the students of Inventateq. Past month I did Core .NET Course. They provide practical oriented coaching and Hari sir taking class superbly. Inventateq has shown me placements also. Thanks to Inventateq btm branch.

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RAJESH



Best Microsoft .net job oriented training center in Bangalore. I Got placed in HP! Thanks to trainer sir! I am a 2014 batch passed out from tirupati. I joined the asp.net, c#.net and advanced .net mvc training course in Inventateq marathahalli class room. I got the best training from an industry expert.

SWARNA



I did advanced .net wcf wpf mvc Course in Inventateq btm layout. I really impressed with the way Coaching provided. Teacher is purely concentrate on Real time training for fresher's. Very helpful to crack interviews

SURESH



18,599+ Success Stories

Here is what they say about INVENTATEQ.



I'm Sunil. I did complete .Net course in Inventateq. Sessions are good, Trainer is supportive. They helped me in real time project also.

SUNIL



I joined Inventateq and attending .net classes. I am very happy with the classes. It is a good place to learn coding. Trainers are very helpful.

SUSHMITHA

Inventated



My name is Varun. I have attended the .Net Class. Its been an exhilarating experience. I got to learn it clean and clear. It has inspired me enough to go ahead and learn this completely. thank you

VARUN



The course is very good and explaining was good also we learn new concepts in .Net. The realtime project experience was Excellent.

SANKAR K

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Detailed Course Syllabus

TABLE OF CONTENT		
1	Core DotNet (C#, ASP.NET, ADO, SQL	
	Server, VB.net	
2	Advance .Net Course 100	
3	ASP.Net MVC (Ajax, Jquery, LINQ)	
4	WCF	
5	WPF	
6	Entity Framework	



Core DotNet

C#.NET .NET Enterprise Architecture

- NET Framework
- Base Class Libraries (BCL)
- Common Language Run Time (CLR)
- Microsoft Intermediate Language (MSIL)
- Common Language Specification (CLS)
- NET Products
- .NET Services

C# Languages Basics

- Data Types
- Type Conversion
- Boxing & Unboxing
- Conditional Statements
- Looping
- Methods in C#
- Properties
- Arrays
- Indexes
- Structures, Enumerations
- Strings
- Regular Expressions
- Collections

Object Oriented Language

- OOPS Concepts
- Encapsulation
- Inheritance
- Polymorphism

- Class and Object
- Constructors
- Destructors
- Method Overloading
- Method Overriding
- Early binding, Late binding
- Abstract Classes
- Abstract Methods
- > Interfaces
- Multiple Inheritances

Memory Management

- Garbage Collector Stack and Heap
- System. Object Class
- Architecture of Gc
- Generations
- > Exceptional Handling
- System Defined Exceptions
- Custom Exceptions
- > Try, Catch, Finally
- > Throwing Exceptions

Operator Overloading

- Unary Operator
- Binary Operator



GUI Applications Development

- Windows forms and controls
- Creating Menus
- > Toolbars, Image list
- Tree View, List view

Data Base Programming

- > ADO.NET Introduction
- Data Providers in .NET
- Connection, Command
- Data reader
- Data Adapter
- Data Set
- Command Builder
- Data Relations
- ADO.NET and XML

Assemblies

- Private Assemblies
- Shared Assemblies
- Global Assembly Cache (GAC)

Architecture of CLR

- Components in CLR
- > Type Safety

Delegates and Event Handling

- Function Pointers
- Multi cast delegates
- Generic Routines
- Event Handling
- Pointers
- Value types, Reference types
- Unsafe

File Handling

- > System. IO namespace
- > File Stream
- Stream Reader
- Stream Writer
- > File info
- Directory info

ASP.Net

- Introduction to web applications
- State management techniques, Session& ViewState
- Response.Redirect & Server.Response
- Query strings

SQL Server

- > RDBMS concepts
- Tables and data storage
- Anomalies and Normalization techniques.
- > 1NF, 2NF, 3NF
- Relations
- Primary key, Foreign key
- Different data types in SQL Server
- Create, Read, Update & Delete data in tables (SQL Queries)
- Group by, Order by on records.
- > Aggregation operations
- Numeric operations
- Operators
- String operations
- Datetime operations



- Exception handling
- User defined data and table types
- > Temp tables
- > Triggers
- Stored procedures
- > Functions

UML techniques

- Use case diagram
- Class diagram
- > Sequence diagram

NUnits

- Test classes
- > Test methods

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Advance .Net Course Outline

Introduction to ASP.NET

- From ASP to ASP.NET
- Web Forms
- Web Services
- ASP.NET Features

Web Forms Architecture

- Page Class
- Web Forms Life Cycle
- Web Forms Event Model
- Code-Behind

ASP.NET and HTTP

- Request/Response Programming
- > HttpRequest Class
- HTTP Collections
- HttpResponse Class
- Redirection
- HttpUtility Class

Web Applications Using Visual Studio

- Using Visual Web Developer
- Visual Studio Forms Designer
- Using Components
- Shadow Copying
- Using the Global.asax File
- Data Binding

State Management and Web Applications

- Session State
- Application State
- Multithreading Issues
- Cookies

Server Controls

- HTML Server Controls
- Web Forms Server Controls
- > Rich Controls
- Validation Controls
- User Controls

Caching in ASP.NET

- What Is Caching
- Page-Level Caching
- Page Fragment Caching
- Optimizing Your ASP.NET Application
- > Application Caching

ASP.NET Configuration and Security

Fundamentals

- Configuration Overview
- Authentication and Authorization
- Forms Authentication
- Windows Authentication
- Security and ASP.NET



More Server Controls

- Most recent ASP.NET Controls
- Menus
- Master Pages

ADO.NET and LINQ

- ADO.NET Overview
- .NET Data Providers
- Connections
- Commands
- DataReaders and Connected Access
- Data Sets and Disconnected Access
- Language Integrated Query

Data Access in ASP.NET

- Data Source Controls
- Connection String Storage
- GridView
- DetailsView
- FormView
- Object Data Sources
- ListView
- DataPager
- LingDataSource

Personalization and Security

- Configuration Overview
- Themes
- Skins
- Security in ASP.NET
- Membership and Roles
- Login Controls
- User Profiles

Introduction to ASP.NET AJAX

- Rich Client Applications
- ScriptManager

- **UpdatePanel**
- AJAX Client Library
- Remote Method Calls
- AJAX Control Toolkit

HTTP Pipeline

- Pipeline Architecture
- Context
- Applications
- Handlers
- Modules

AJAX

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ASP.Net MVC Level 1

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 ASP.NET MVC 4 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 Applications

- 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
- Custom Sections
- Partial Views
- Child Actions
- Using a ViewModel Object

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

Using AJAX and jQuery with ASP.NET MVC

- Overview of AJAX and ASP.NET MVC
- Unobtrusive AJAX
- Using AJAX Action Links
- Overview of jQuery
- jQuery Techniques
- Using jQuery UI

ASP.NET MVC & LINQ - working with Data

- Language features used in LINQ
- Creating simple LINQ queries
- Using LINQ queries in a Web application;
- Defining a data repository;
- Using LINQ to define a data access component

ASP.NET MVC 4 Techniques & Best Practices

- View scaffold templates
- Controller scaffold templates
- Dependency injection

ASP.NET Web API with MVC

- Overview of the ASP.NET Web API
- Building servers and clients
- Content negotiation
- Validation
- Query able Interfaces
- Dependency Injection

Customizing and Extending ASP.NET MVC

- > ASP.NET MVC Pipeline
- Advanced Routing
- Custom Global Filters
- Customizing MVC Code Templates
- Creating a Custom Controller Factory

Deployment

- Server Requirements
- Configuration Options
- Preparing an application for deployment
- Deploying to IIS and Windows Azure



Course Outline for WCF

Introduction to WCF

- What is WCF?
- Why is WCF?
- Address, Binding and Contract
- WCF Services and Clients
- WCF Architecture

Addresses and Bindings

- Addresses
- Bindings
- Message Exchange Patterns
- Configuring Bindings
- Interoperating with ASMX Web Services
- Hosting in a Console Application
- Channel Factories
- Multiple Endpoints

Service Contracts

- Defining Service Contracts
- Defining Operation Contracts
- Services With Multiple Contracts
- Contract Inheritance
- Operation Overloading

Instance Management

- Using Per-Call Services
- Using Per-Session Services
- Using Singleton Services
- Configuring Behaviors

Data Contracts

- Implementing Data Contracts
- Mapping Data Contracts to XSD Schema
- Serialization
- Arrays and Generic Collections
- Enums
- Versioning Data Contracts

More about Service Contracts

- Versioning Service Contracts
- Implementing Message Exchange
 - **Patterns**
- Oneway Contracts
- Duplex Contracts
- Asynchronous Proxies

Handling Errors

- Faults and Exceptions
- Generating and Handling Faults
- > Fault Contracts
- Faults and Sessions

Security

- Security Behaviors and Bindings
- Securing Clients and Services

Deploying WCF

- > Installing WCF Services
- Upgrading Services
- Troubleshooting WCF installation



Course Outline for WPF

Introduction to WPF

- ➤ Why WPF?
- What Is WPF?
- .NET Framework 3.0 (WinFX)
- WPF Overview
- Application and Window
- > A Simple WPF Application
- Using Visual Studio
- Brushes
- Panels

XAML

- Role of XAML
- Elements and Attributes
- Namespaces
- Property Elements
- Type Converters
- Content Property
- Collections
- XAML and Procedural Code

WPF Controls

- Button
- Label
- TextBox
- ToolTip
- RadioButton
- CheckBox
- ListBox
- ComboBox

Layout

- Sizing
- Positioning
- Transforms
- Canvas
- Drawing Shapes
- StackPanel
- WrapPanel
- DockPanel
- Grid
- Scrolling
- Scaling

Dialogs —

- Message Boxes
- Win32 Common Dialogs
- Custom Modal Dialogs
- Custom Modeless Dialogs

Menus and Commands

- Menus
- Context Menus
- Icons on Menu Items
- Commands
- Keyboard Shortcuts
- Disabling Menu Items
- Checking Menu Items

Toolbars and Status Bars

- Toolbars
- Toolbars and Commands
- Status Bars



Dependency Properties and Routed Events

- Dependency Properties
- Change Notification
- Property Value Inheritance
- Support for Multiple Providers
- Routed Events
- Routing Strategies

Resources

- Resources in WPF
- Binary Resources
- Logical Resources
- Static versus Dynamic Resources

Styles, Templates, Skins and Themes

- > Styles
- Style Sharing
- > Triggers
- > Templates
- > Templated Parent's Properties
- > Skins
- > Themes

Data Binding

- Binding Sources
- Sharing Sources with DataContext
- Data Templates
- Value Converters
- Collection Views
- Data Providers
- Validation Rules



OUR HIRING PARTNERED COMPANIES LIST













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POPULAR COURSES FROM INVENTATEQ

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 IBM Websphere 	Autodesk CAD 2d and 3d Course	SAS Training	
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