

## Introduction

This course provides in depth knowledge in .NET and helps the faculty to design and develop web based and windows applications with latest framework. Our team which provides training has got 40 years of man experience in the design the development of .net based applications.

## Objective

.Net training objectives

- Understanding OOPS concepts
- Understanding .Net Framework - Application development foundation
- Learning to develop programs in the C#/VB.NET languages
- Developing web based applications using ASP.NET and ADO.NET and AJAX
- Developing windows based applications using windows forms
- Developing applications using WPF,WCF,WF and Linq
- Database design

## Prerequisites

- ✓ Programming knowledge of any languages (like C) and have fair knowledgeable HTML and sql.

## Target Audience

- ✓ This program is for faculties of who wish to get expertise & exposure on the latest .NET technologies.

**Course content Details:** The following is the standard content that we provide to the industry and faculty of different colleges. However, if there are any specific requirements from the customer then that can be definitely considered and delivered.

- Introduction to OOPS & .NET Platform
  - Introduction to OOPS
  - Key features of OOPS
  - Problems before .NET
  - .NET Platform as a solution
  - .NET framework architecture
- Core C# Programming
  - My First C# program

- Core C# Programming Constructs - I
- Core C# Programming Constructs - II
- Understanding basics of C# Class
- Advanced C# Programming
  - Understanding Inheritance & Polymorphism
  - Working with Interfaces
  - Collections & Generics
  - Exception Handling
  - Delegates and Event Handling
  - Working with Multi-threaded applications
- Working with .NET Libraries
  - Understanding .NET Assemblies
  - System.IO
  - Introduction to Object Serialization
  - ADO.NET
- Introduction to Windows Forms
- Introduction to Web Applications
  - Understanding HTTP
  - HTML, JavaScript, Style Sheets
  - Server V/s Client Scripting
  - Building ASP Web Site
- Building ASP.NET web applications
  - Introduction to ASP.NET
  - Web Controls, Themes & Master Pages
  - User Controls, Custom Controls
  - ASP.NET State Management
  - Build and Deploy Web Applications
- Introduction to AJAX.NET
- Web Services and Windows Services
- Introduction to .NET 3.5 features
  - Introduction to New features in C#
  - Introduction to LINQ
  - WCF
  - WWF
- .NET Programming Tools
  - Visual Studio 2005
  - Visual Studio 2008
- RDBMS
  - Introduction to DBMS
  - 3NF
  - SQL