

# Course Guide

## Microsoft .Net

### – Hands On

“ It is certainly pleasant to express my gratitude to SKIVA for providing me the right guidance which assisted me immensely in my profession. Even after being an IT graduate, I had a perception that .Net is something I can't outshine in. I joined many trainings but couldn't gain enough knowledge to overcome my cerebral block. However training at SKIVA provided me with a new insight on my capabilities and helped me learn from the basics. With Skiva's help I developed the right skills with required knowledge and it led me to be an expert in .Net. Skiva trainer have great understanding over the subject, which helped me to fill my knowledge gaps.”

- Samuel Johnson







# Microsoft .Net – Hands On

This course is about to gain understanding of current IT industry and prepare yourself for Microsoft .Net Developer Position. In this course, you will learn various Microsoft .Net tools and technologies. It will help you to build and deploy website from scratch using .Net framework. At the end of this course, you will be able to give web solutions using .Net technologies to the businesses, and able to attend interview for .Net developer position.

## Pre-Requisites

Basic IT education or relevant degree  
Basic knowledge of HTML, CSS, Javascript

## Course Objectives

- ✓ Gain understanding about current IT industry and Software Development Life Cycle
- ✓ Learn Tools and Technologies for developing software using Microsoft .Net
- ✓ Develop and deploy website from scratch using .Net Platform
- ✓ Able to give IT solutions to the businesses
- ✓ Ready to prepare and apply for Microsoft .Net Developer position
- ✓ Personal Company Reference
- ✓ Job support
- ✓ Internship Certificate

## Course Audience

- ✓ Graduate students who want to step up into the IT industry
- ✓ Under graduating students who want to gain practical Microsoft .Net knowledge in advance
- ✓ Software Developers can join this course for making their .Net fundamentals robust
- ✓ Someone who wants to come into the IT market after long break



#### Duration

**40 hours / 8 weeks**

#### Location

**Skiva IT Consulting  
Suite 902, Level 9, 175 Castlereagh Street,  
Sydney, NSW 2000 Australia**

## Course Content

### Introduction

- ✓ Training Outlines
- ✓ Training Outcomes
- ✓ Session Schedule
- ✓ Understanding of IT Industry and Set up Goals
- ✓ Profile Guidelines
- ✓ Understanding of Software Development Life Cycle
- ✓ Overview of Microsoft .Net Tools and Technologies
- ✓ Understanding of Various kinds of .Net Applications
- ✓ Overview of DHTML, CSS and Javascript
- ✓ Practical Workshop

### Microsoft .Net Framework

- ✓ What is the .Net Framework?
- ✓ Basic Architecture
- ✓ .Net Framework Stack – Layer Cake
- ✓ Framework Fundamentals
- ✓ Understanding about Assembly
- ✓ Configuring the .NET Framework
- ✓ Framework Installation

### .Net Development Environment

- ✓ Basic Requirements for developing project in .Net
- ✓ Set up Development Environment
- ✓ Microsoft Visual Studio
- ✓ Featuring the start page
- ✓ Working with windows
- ✓ Working with toolbar
- ✓ Create a new project, opening and closing
- ✓ Understanding Solutions and Projects
- ✓ Adding a project to a solution
- ✓ Using the Solution Explorer
- ✓ Develop First Web Page using Visual Studio
- ✓ Practical Workshop

### OOPs Fundamentals

- ✓ What is OOPS Fundamentals?
- ✓ Class vs Object vs Property
- ✓ Method vs Constructor
- ✓ Inheritance
- ✓ Encapsulation
- ✓ Abstraction
- ✓ Polymorphism
- ✓ Access Modifiers
- ✓ Interface vs Abstract Class
- ✓ Practical Workshop



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### Microsoft ASP.Net

- ✓ What is ASP.NET?
- ✓ Page Life cycle
- ✓ IIS vs ASP.NET Development Web Server
- ✓ ASP.NET Standard Controls Overview
- ✓ User Controls
- ✓ Data Controls
- ✓ Master Page
- ✓ ASP.Net Configuration
- ✓ Practical Workshop

### C#.Net Development

- ✓ What is C#.Net?
- ✓ Variables and Data Types
- ✓ Using .NET Framework Classes
- ✓ Mutable vs Immutable String
- ✓ Boxing vs Unboxing
- ✓ Branching and Flow Control
- ✓ Collection vs Generics
- ✓ Delegates and Events
- ✓ Exception Handling
- ✓ Regular Expression
- ✓ Multi-layer Architecture Implementation
- ✓ Practical Workshop

### Microsoft SQL Server

- ✓ What is Database Server?
- ✓ Database Objects
- ✓ Memory Management
- ✓ Structured Query Language
- ✓ Integration with ASP.Net
- ✓ Reporting Services
- ✓ Report Builder
- ✓ Practical Workshop

### Application Client Implementation

- ✓ Javascript vs jQuery
- ✓ jQuery Integration
- ✓ Client side validation
- ✓ Server side validation
- ✓ Animation using jQuery
- ✓ Practical Workshop
- ✓ Extra Tips and Tricks on Application Development



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### File Operations and Windows Service using .Net

- ✓ What is IO Operation?
- ✓ Access System Drives
- ✓ Access Folders and Files
- ✓ Write to file using C#
- ✓ Read from file using C#
- ✓ Generate Log Files
- ✓ What is Windows Service?
- ✓ Implement first Windows Service
- ✓ Windows Service Deployment
- ✓ Project Management Tool – Jira
- ✓ Interview Tips/Tricks
- ✓ Extra Materials
- ✓ Resume Builder
- ✓ Tips for Job hunting

### In-house Project Development

- ✓ Set up Development Environment
- ✓ Project Development
- ✓ Project Analysis
- ✓ Database Design
- ✓ Domain Design
- ✓ Add project in SVN
- ✓ Core development
- ✓ CRUD operation
- ✓ File IO module
- ✓ Email module
- ✓ Security module
- ✓ Basic testing module
- ✓ Website Hosting

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# Free Seminars

- > Software Testing Seminar
- > Website Development Seminar
- > Software Testing Workshop
- > Career Development Seminar

# Training Courses

## Software Testing

- > Software Testing Career Package
- > Software Testing Training
- > Agile Testing Training
- > User Acceptance Testing
- > ISTQB Foundation Testing
- > QTP Training
- > Selenium Training
- > LoadRunner Training
- > JMeter Training

## Web Development

- > Microsoft .Net - Hands On
- > Microsoft .Net - Advanced
- > Fundamentals of Java

## Scripting & Database

- > VB Scripting
- > SQL for Testers
- > SQL Server

# Certifications

