



CODE Islamabad
2nd Floor, West Wing, Junaid Plaza,
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Microsoft .NET

Course Description

This course introduces a practical approach for the development of desktop and web applications using Microsoft's .NET framework. The course focuses on a systematic approach to teach best practices, architectural patterns and associated concepts and principles.

After the successful completion of this course, students would develop competencies to design, code and debug desired applications for solving real-world problems.

Pre-Requisites

- Fundamentals of Computer Programming (Standard Knowledge)
- Object Oriented Programming (Basic Knowledge)

Course Duration

- 32 Hours



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Course Outline

Desktop	Web
Introduction to .NET Framework	Introduction to ASP .NET
Basics of C#	MVC Architecture
Revisiting OOP & Classes	Routing
Introduction to Windows Forms	Action Results & Action Selectors
Error Handling	Filters
Introduction to ADO .NET	Razor
ADO .NET Components	Layouts
Data Sources & Data Providers	Bootstrap
Exception Handling	Models & Database Objects
Connected & Disconnected Environment	Entity Framework
N-Tier Architecture	Session Handling
XML in .NET	Authentication
Custom Controls	User Roles & Authorization
Crystal Reports	Unit Testing & Test Driven Development
Deployment	Deployment