

The logo for iHACKERU, featuring a stylized 'i' followed by 'HACKERU' in a bold, sans-serif font.

iHACKERU



ASP.NET MVC

BT118

24

Academic Hours

ASP.NET MVC

Outline

In this course, students will learn to develop advanced ASP.NET MVC applications using .NET Framework 4.5 tools and technologies. The focus will be on coding activities that enhance the performance and scalability of the Web site application. ASP.NET MVC will be introduced and compared with Web Forms so that students know when each should/could be used.



Target Audience

Web Developers with basic knowledge in C#, HTML & JS





Content

Module 01 ASP.NET MVC 5 Overview

- | Overview of Microsoft Web Technologies
- | Web Forms vs. MVC
- | Introduction to ASP.NET MVC 4

Module 02 Models

- | Creating MVC Models
- | Working with Data
- | Data Modelling
- | Entity Framework Overview

Module 03 Controllers

- | Routing
- | Writing Controllers and Actions
- | Writing Action Filters

Module 04 Views

- | Creating Views with Razor Syntax
- | Using HTML Helpers
- | Partial Views
- | Reusing Code in Views

Module 05 Web Application Structure

- | Analyzing Information Architecture
- | Configuring Routes
- | Creating a Navigation Structure

Module 06 Applying Styles to Web Application

- | Using Template Views
- | Applying CSS to an MVC Application
- | Creating an Adaptive User Interface



Module 07

Building Responsive Pages

- ▮ Using AJAX and Partial Page Updates
- ▮ Implementing a Caching Strategy
- ▮ Rendering and Executing JavaScript Code
- ▮ Using jQuery and jQueryUI

Module 08

SOW With Web API

- ▮ Introduction to SOA (Service Oriented Architecture)
- ▮ SOAP vs. REST
- ▮ Restful Services
- ▮ Developing a Web API
- ▮ Calling a Web API from Mobile & Web Applications



The focus will be on coding activities that **enhance the performance and scalability** of the Web site application”



The HackerU **Advantage**

We have unparalleled experience in building advanced training programs for companies and organizations around the world – Talk to one of our experts and find out why.

01

**Handcrafted
Training Programs**

02

**State-Of-The-Art
Learning Materials**

03

**Israel's Premier
Training Center**

04

**Fueled by
Industry Leading
Experts**

05

**Over 20 Years
of Proven IT-
Education Success**



info@hackerupro.com



www.hackerupro.com