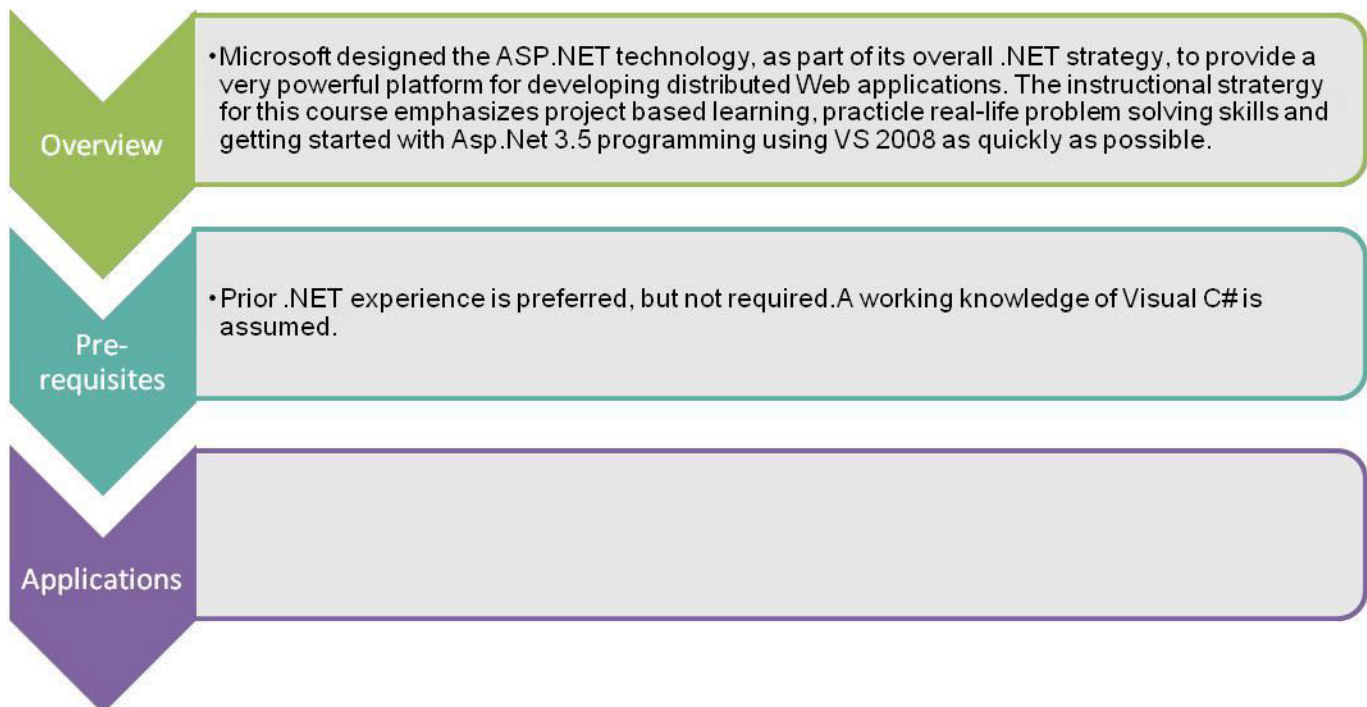


# Course Brochure



## COURSE CONTENTS

### INTRO TO WEB PROGRAMMING

- ❖ What is internet, Web Site, Web Request, Web Response?
- ❖ Web Architecture
- ❖ Client side web technologies (vs) Server side web technologies

### CLIENT SIDE WEB TECHNOLOGIES

- ❖ HTML, CSS, Javascript

### ASP.NET WEB FORMS BASICS

- ❖ Classic ASP (vs) ASP.NET
- ❖ Cross-page submission (vs) ASP.NET Postback
- ❖ Creating ASP.NET Web Site and Web Forms
- ❖ Programming Model of Web Forms
- ❖ Need of web.config

### ASP.NET IMPLICIT OBJECTS

- ❖ Request, Response

### ASP.NET WEB CONTROLS

- ❖ Intro to ASP.NET Web Controls
- ❖ Standard Web Controls
  - Post back
  - Generating controls dynamically
  - Validation Controls

### DATA CONTROLS

- ❖ GridView indepth
- ❖ DataList
- ❖ Repeater
- ❖ FormView
- ❖ DetailsView
- ❖ SqlDataSource

### STATE MANAGEMENT

- ❖ Session
  - ❖ Application
  - ❖ Data Cache
  - ❖ Query String
  - ❖ View State
  - ❖ State-less (vs) State-full
  - ❖ Response.Redirect (vs) Server.Transfer
  - ❖ Session state modes
  - ❖ Global.asax

### ASP.NET CONFIGURATION

- ❖ appSettings, Tracing
- ❖ Target Framework, Custom error

### SECURITY

- ❖ Forms based authentication
- ❖ Windows based authentication
- ❖ Overview of Open authentication

### NAVIGATION CONTROLS

- ❖ Web.SiteMap
- ❖ Menu, Tree View, Site Map Path

### MASTER PAGES

- ❖ Creating master pages and content pages
- ❖ Working with Content Place Holders

### THEMES AND SKINS

- ❖ Creating themes
- ❖ Creating .css and .skin files
- ❖ Applying themes dynamically

### WEB USER CONTROLS

- ❖ Creating Web User controls
- ❖ Invoking web user controls statically and dynamically

## COURSE CONTENTS

### IIS AND DEPLOYMENT

- ❖ IIS Architecture
- ❖ Installing and configuring IIS
- ❖ Creating IIS Application
- ❖ Deploying Web Sites into Local IIS

### ASP.NET PAGE LIFE CYCLE

- ❖ Page life cycle Architecture
- ❖ How web controls processed at server side
- ❖ Page events

### OUTPUT CACHING

- ❖ Output Caching, Fragment Caching

### INTERNATIONALIZATION

- ❖ Globalization (vs) Localization
- ❖ Creating Global resources
- ❖ Applying culture dynamically

### ASP.NET AJAX EXTENSIONS

- ❖ Script Manager, Update Panel
- ❖ Update Progress, Timer

### ASP.NET AJAX CONTROL TOOLKIT

- ❖ How to download and import
- ❖ Toolkit Script Manager
- ❖ Important AJAX Toolkit Controls

### WEB SERVICES

- ❖ Creating and consuming Web Services
- ❖ Need of XML, WSDL, SOAP in Web Services

### WCF

- ❖ Web Services (vs) WCF
- ❖ Creating and consuming Simple WCF Services
- ❖ Deploying WCF Services in Local IIS
- ❖ Self Hosting Application
- ❖ Contracts
  - Service Contract
  - Operation Contract
  - Data Contract
- ❖ Service Host
- ❖ End Points
  - Address
  - Binding
  - Contract

### INTRO TO SILVERLIGHT