

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
- Crosspage 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
- Stateless (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

ASP.NET

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

ISS Galaxy Technologies & Services

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