

## ASP.NET 4.5 Course Content

### **INTRODUCTION TO WEB TECHNOLOGIES**

- HTML
- Client side scripting langs
- IIS Architecture

### **ASP.NET INTRODUCTION**

- What is ASP.NET
- Image Technique and code behind technique

### **SERVER SIDE CONTROLS**

- Type of server controls
- Examples on Web server controls
- Validation Controls
- ASP.NET Page Execution Architecture

### **THEME AND SKIN STATE MANAGEMENT**

- Cookies • Session State
- Session Tracking Arch
- Application object
- Session and App events
- Global. AJAX
- Viewstate ADO.NET
- Intro to ADO.NET Providers
  - Data Reader
  - Dataset
  - Datalist
  - Repeater

- Datasource Controls
- Grid view
- Details view
- List view

### **LINQ CACHING**

- Importance of Caching-
- ASP 4.5 Support for Caching
- Type of Caching in ASP.NET
- Output Caching
- Web user control(VS) custom control
- Fragment caching
- Data caching vs Application object

### **ASP.NET CONFIGURATION**

- Machine config vs Web config
- App Settings
- Compilation setting
- Custom error setting
- Session State Setting
- Enhancement in ASP.NET
- Inprocess VS out process session state
- State server and SQL Server
- Cookie less session

### **ASP.NET TRACING**

- Page Level
- Application Level

## **E-mail Server SECURITY IN ASP.NET**

- Authentication & Authorization
- Windows Based Authentication
- Form Based Authentication
- Passport Authentication
- Membership

## **XML WEB SERVICES**

- Intro to Web Services
- Role of WSDL .NET support for XML Web Service
- Client Apps for Web Service
- Caching Web Service
- SOAP
- UDDI Registry

## **WCF MASTER PAGES SITE NAVIGATION WEB PARTS**

- Web part manager
- Zone Types