

## **ASP.NET**

### **HTML and CSS**

- HTML Basic Tags
- Working with Table, List and Div
- HTML Form Elements
- CSS Basic Syntax
- Creating External CSS
- Learn how to use Selectors
- Working with CSS properties

### **JavaScript**

- Define JavaScript
- Create and Manipulate Variables
- Implement Functions
- Learn how to use JavaScript Events
- Developing Popup Boxes
- Learn how to use Client Side Validation

### **JQuery**

- Introduction to JQuery
- Implement JQuery in Web Application
- Working with JQuery Events
- Implementing JQuery UI

### **ASP.NET Web Application Development**

- Understand Web Application Fundamentals
- Creating Standard Web Controls and Events
- Working with Navigation Controls
- Working with Rich Server Controls
- working with Validation controls
- Create Web User Control
- working with custom controls

### **State Management**

- Create and manipulate Managing Session
- Implementing View State
- Create and manipulate Query Strings
- Managing Cookies

### **Customizing Web Applications**

- Implementing Themes and Skins
- Implementing Web User Control
- Master Pages and Content Pages

### **Designing and Implementing Databases with MS SQL Server 2014**

- Introduction to RDBMS

- Familiarizing SQL Server 2012
- Creating Tables and Constraints
- Implement Aggregate Functions, Order by and Group by
- Join and Sub Query
- Creating Stored Procedures
- Backup, Restoring and Moving a database

## **ADO.NET**

- Learn about Data Binding
- Create Database Application (DataReader)
- Create Database Application (DataSet)
- Learn how to use XML and ADO.NET

## **Data Controls**

- Learn how to use GridView
- Working with FormView, ListView and DetailsView
- Using DataList and DataPager controls
- Working with Chart Control

## **ASP.NET Ajax**

- Using ScriptManager and UpdatePanel
- Working with Ajax Controls
- Learn how to use Ajax Control Toolkit
- Implementing Ajax Extenders

## **Language Integrated Query**

- Working with LINQ to DataSet.
- Working with LINQ to SQL.
- Working with LINQ to XML

## **Authentication and Authorization**

- Explain about Authentication and Authorization
- Describe Anonymous Authentication
- Understand Windows Authentication
- Learn how to use Forms Authentication
- UI

## **Entity Framework**

- Generating and Querying an Entity Data Model (EDM).
- Querying data using object Services
- Customizing the Entity Data Model

## WCF

- WCF Essentials
  - Address, Binding and Contract
  - WCF Services and Clients
  - WCF Service Libraries
  - WCF Test Host and Test Client
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