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Website : www.citcchandigarh.com

Course Syllabus: Certificate in ASP.NET

Batch Name: ASP.NET

Eligibility: 10th

Course Start: 1st of Every Month

Course Duration: 60Hours

Module 1:

Paper 1	Paper 2
HTML-CSS, JavaScript	ASP.NET

Module 1:

Paper 1 : HTML-CSS, JavaScript

1: Starting with HTML

- 1.1 Introduction to HTML
- 1.2 What is HTML
- 1.3 HTML Versions
- 1.4 Web Browsers
- 1.5 HTML Editors
- 1.6 HTML Tags

2: HTML Images

- 2.1 HTML Images
- 2.2 alt attribute with images
- 2.3 style Attribute
- 2.4 Change the Height and Width of Image
- 2.5 Images as a Floating
- 2.6 HTML Images as a Link
- 2.7 Background Images
- 2.8 The <picture> Element
- 2.9 HTML Images vs Title Attribute

3: Links in HTML

- 3.1 Link
- 3.2 HTML Links
- 3.3 The Target Attribute
- 3.4 Images as Link
- 3.5 HTML Links Titles
- 3.6 External Paths
- 3.7 HTML Link Colors

4: HTML Lists

- 4.1 List
- 4.2 Types of Lists in HTML
 - Unordered List
 - Ordered List
 - Definition List

5: HTML Tables

- 5.1 Table Introduction
- 5.2 HTML Table-Adding Borders
- 5.3 HTML Table-Collapsed Borders
- 5.4 The Empty-cells Property
- 5.5 Table Heading Alignment
- 5.6 Cell Padding and Border Spacing
- 5.7 Cells that Span many Columns
- 5.8 Cells that Span many Rows
- 5.9 Adding a Caption
- 5.10 Table Styling

6: HTML Forms

- 6.1 The <form> Element
- 6.2 Text
- 6.3 Radio Button Input

- 6.4 The Submit Button
- 6.5 Attributes
- 6.6 Grouping Form Data with <fieldset>
- 6.7 The <select> Element
- 6.8 The <option> Element
- 6.9 Visible Values
- 6.10 Allow Multiple Selection
- 6.11 The <textarea> Element
- 6.12 The <datalist> Element
- 6.13 The Output Element
- 6.14 Input Type Password
- 6.15 Input Type Reset
- 6.16 Checkboxes
- 6.17 Input Type Color
- 6.18 Input Type Date
- 6.19 Input Type Email
- 6.20 Input Type Number
- 6.21 Input Type Range
- 6.22 Input Type Search
- 6.23 Input Type Tel
- 6.24 Input Type Time
- 6.25 Input type URL
- 6.26 Input Type Week
- 6.27 Input Attributes

7: HTML Blocks and Classes

- 7.1 HTML Blocks Introduction
- 7.2 The <div> Element
- 7.3 The Element
- 7.4 Using the Class Attribute
- 7.5 Using the id Attribute
- 7.6 HTML Iframes

CSS

8: Starting with CSS

- 8.1 What is CSS?
- 8.2 CSS Syntax
- 8.3 CSS Selectors
 - The id Selector
 - The class Selector
- 8.4 Grouping Selectors
- 8.5 CSS Comments
- 8.6 CSS File Inclusion
- 8.7 Multiple Style sheets
- 8.8 Cascading Order

9: CSS Colors

- 9.1 CSS Colors
- 9.2 Background Color
- 9.3 Text Color
- 9.4 Border color
- 9.5 Color Values
- 9.6 RGB Values
- 9.7 HEX Value

- 9.8 HSL Value
- 9.9 Saturation
- 9.10 Lightness
- 9.11 RGBA Value
- 9.12 HSLA Value

10: CSS Background

- 10.1 CSS Backgrounds
 - Background Color
 - Background Image
 - Background-Shorthand Property

11: CSS Borders

- 11.1 CSS Borders
 - Border Style Property
 - Border width Property
 - Border Color Property
 - Border-Individual Sides
 - Border -Shorthand Property
 - Rounded Borders

12: CSS Margins

- 12.1 CSS Margins
- 12.2 Margin Properties
- 12.3 Margin-Shorthand Property
- 12.4 the Auto Value
- 12.5 The Inherit Value

13: CSS Padding

- 13.1 CSS Box Model
- 13.2 CSS Padding Properties

- Padding-Top
- Padding-Bottom
- Padding-Left
- Padding-Right
- Padding

14: CSS Text

- 14.1 CSS Text Properties
- 14.2 Types of CSS Text Properties
 - Color Property
 - Text-Align Property
 - Text-Decoration Property
 - Letter-Spacing Property
 - Word-Spacing Property
 - Text-Indent Property
 - Direction Property
 - White-Space Property
 - Line-Height Property
 - Text-Shadow Property
 - Text-Transform Property

15: CSS Font

- 15.1 CSS Font Properties
- 15.2 Types of CSS Font Properties
 - Font-Family Property
 - Font-Style Property
 - Font-Size Property
 - Font-Weight Property
 - Font-Variant Property
 - Font Property

16: CSS Lists

- 16.1 CSS List Properties
- 16.2 Types of CSS List Properties
 - List-Style-Type Property
 - List-Style-Image Property
 - List-Style-Position Property
 - Marker -Offset Property
 - List-Style Property
- 16.3 Styling with Colors

17: CSS Scrollbars

- 17.1 CSS Overflow/Scrollbar Properties
- 17.2 Types of Overflow Properties Values
 - Visible
 - Hidden
 - Scroll
 - Auto
- 17.3 Overflow-x and Overflow-y

18: CSS Tables

- 18.1 CSS Tables Properties
- 18.2 Types of CSS Table Properties
 - Border Property
 - Border-Collapse Property
 - Width and Height Property
 - Vertical Align Property
 - Border-Spacing Property
 - Caption-Side Property
 - Empty-Cells Property
 - Table-Layout Property
 - Border-Bottom Property
 - Zebra-Striped Property
- 18.3 :hover Selector

JavaScript

1: Introduction to Java Script:

- 1.1 What is Java Script ?
- 1.2 Applications of Java Script
- 1.3 Java Script Syntax
- 1.4 First JS Example
- 1.5 Comments in Java Script
 - Type of Comments in Java Script
- 1.6 Adding Java Script Code in HTML Document
 - In the <head> Element
 - In the <body> Element
 - In an External File
- 1.7 Java Script Variables
 - Rules for declaring JS Variables
- 1.8 Scope of JS Variables
- 1.9 Java Script Data Types

2: JS Operators & Control Statements

- 2.1 JS Operators
- 2.2 Types of Operators
 - Arithmetic Operator
 - Assignment Operator
 - Comparison Operator
 - Logical Operator
 - String Operator
 - Conditional Operator
 - Typeof Operator
- 2.3 Control Statements
- 2.4 Types of Control Statements
 - Decision Making Statements
 - Selection Statements
 - Loop Control Statements

3: JS Functions & Objects

- 3.1 Java Script Functions
- 3.2 Defining and Calling a Function
- 3.3 Function Arguments

- 3.4 Function Return Statement
- 3.5 Java Script Objects
- 3.6 Creating Object in Java Script
 - By Object Literals
 - By using new Keyword
 - By using an Object Constructor

4: JS Strings & Arrays

- 4.5 Create an Array
- 4.6 Array Methods
 - concat()
 - forEach()
 - indexOf()
 - lastIndexOf()
 - join()
 - push()
 - pop()

5: Java Script DOM & Events

- 5.1 What is Dom ?
- 5.2 Levels of DOM
 - DOM Level 0
 - DOM Level 1
 - DOM Level 2
 - DOM Level 3
- 5.3 DOM Objects and their Properties & Methods
 - Window Object
 - Document Object
 - History Object
 - Navigator Object
 - Screen Object
 - String Object
- 5.4 DOM/HTML/JS Events
- 5.5 Types of Events

6: Java Script Validation

- 6.1 What is Validation
- 6.2 Validation Input Controls
- 6.3 Examples HTML Form with Validation

7: Java Script Cookies

- 7.1 Cookies
- 7.2 Creating Cookies
- 7.3 Setting Cookies Values
- 7.4 Reading Cookies
- 7.5 Expire(delete) cookies

8: JS Regular Expressions

- 8.1 Introduction to Regular Expressions
 - Common Uses of Regular Expressions
 - Syntax of Regular Expressions
- 8.2 Java Script RegExp Patterns
 - Brackets
 - Meta Characters
 - Quantifiers
- 8.3 Java Script RegExp Modifiers
- 8.4 Java Script RegExp Properties
 - Constructor
 - Global
 - LastIndex
 - Source

9: JS Page Redirect

- 9.1 Page Redirection
- 9.2 Creating Page Redirection
- 9.3 Page Redirection with onClick
- 9.4 Redirect Function
- 9.5 Page Redirect Examples

10: Java Script Animation

- 10.1 JS Animation Introduction
- 10.2 Types of Animation
 - Manual Animation
 - Automated Animation
- 10.3 Rollover with Mouse

11: Java Script Error Handling

- 11.1 Error Handling Introduction
- 11.2 Types of Errors
 - Syntax Errors
 - Runtime Errors
 - Logical Errors
- 11.3 Java Script Error handling Mechanism
- 11.4 Throw Statement

12: Java Script Image Map

- 12.1 Image Map
- 12.2 JS Map Methods
- 12.3 Example of Image Map

Paper 2: ASP.NET

1: ASP.Net Introduction

- 1.1 What is ASP.Net
- 1.2 ASP.Net Component Model
- 1.3 Components of NET Framework 3.5
- 1.4 Environment Setup
- 1.5 ASP.NET Application Life Cycle
- 1.6 ASP.NET Page Life Cycle Events

2: ASP.NET Server Controls

- 2.1 Types of Web Controls
 - Validation Controls
 - HTML Controls
 - HTML Server Controls
 - ASP.NET Server Controls
 - ASP.NET Ajax Server Controls
 - User Controls
 - Custom Controls
- 2.2 Properties of Server Controls
- 2.3 Methods of Server Controls

3: ASP.NET-HTML Server & Client Side

- 3.1 Advantages of using HTML Server & Controls
- 3.2 Examples
- 3.3 ASP.NET Client Side Coding
 - Client Side Script
 - Client Side Source Code

4: ASP.NET Controls

- 4.1 Types of Basic Controls
 - Button
 - Link Button
 - Image Button
- 4.2 TextBoxes & Labels
- 4.3 Check Boxes & Radio Buttons
- 4.4 List Controls
 - Drop down list
 - List box
 - Radio button list
 - Check box list
 - Bulleted list
- 4.5 ListItem Collection
- 4.6 HyperLink Control
- 4.7 Image Control

5: Directives

- 5.1 Application Directive
- 5.2 Assembly Directive
- 5.3 Control Directive
- 5.4 Implements Directive
- 5.5 Import Directive
- 5.6 Page Directive
- 5.7 Reference Directive
- 5.8 Register Directives

6: ASP.NET-Validators

- 6.1 Introduction of Validators
- 6.2 Required feild Validator
- 6.3 Range Validator
- 6.4 Compare Validator
- 6.5 Regular Expression Validator
- 6.6 Custom Validator
- 6.7 Validation Summary

7: Database Access & File Uploading

- 7.1 Retrieves & Display Data
 - A data source control
 - A data view Control
- 7.2 File Uploading
 - Html input File
 - File Upload
- 7.3 FileUpload Class Properties
 - FileBytes
 - FileContent
 - FileName
 - HasFile
 - PostedFile

8: ASP.NET Error Handling

8.1 Error Handling Introduction

8.2 Three Aspects of Error Handling

- Tracing
- Error Handling
- Debugging
- Debugging Break Points
- The Debug Windows

