

SYLLABUS OF THE ASP.NET

OVERVIEW OF THE ASP.NET

- Introduction of different Web Technology
- What is Asp.Net
- How Asp.Net Works
- Use of visual studio
- Different Languages used in Asp.Net.
- Summary

FRAMEWORK

- Common Language Runtime (CLR)
- .NET Framework Class Library.
- Summary

SETTING UP AND INSTALLING ASP.NET

- Installing Internet Information Server
- Installation of Asp.Net
- virtual directory
- Application Setting in IIS.
- Summary

MICROSOFT SQL SERVER 2008

- Overview of SQL Server 2008
- Installation of SQL Server 2008
- Features of SQL Server Express
- SQL Server 2008 Express management tools
- Summary

CODING STANDARDS

- Overview of coding standards follows during programming
- Summary

HTML, CSS & JAVASCRIPT

- Basic of HTML, CSS and JavaScript
- Summary

ASP.NET STANDARD CONTROLS

- Displaying information
 - Label Controls
 - Literal Controls
 - Bulleted List
- Accepting User Input
 - Textbox controls
 - RadioButton and RadioButtonList Controls
 - CheckBox and CheckBoxList Controls
 - Button controls
 - LinkButton Control
 - ImageButton Control
 - Using Hyperlink Control
 - DropDownList
 - ListBox
- Displaying Images
 - Image Control
 - Image Map Control
 - Using Panel Control
 - Using Hyperlink Control

ASP.NET

- Page & State Management
- Overview of events in page
- Summary

ASP.NET VALIDATION CONTROLS + JAVASCRIPT VALIDATION

- Required Field Validator Control
- Regular Expression Validator Control
- Compare Field Validator Control
- Range Validator Control
- Validation Summary Control
- Custom Validator Control
- Summary

DESIGNING WEBSITES WITH MASTER PAGES

- Creating master pages
- Creating default contents
- Nesting master pages
- Registering master pages in web configuration
- Summary

USING THE RICH CONTROLS

- Accepting File Uploads
- Saving files to file system
- Calendar Control
- Displaying advertisements
- Displaying Different Page view
- Displaying a Tabbed Page View
- Wizard Control
- Summary

SQL SERVER BASIC

- Database Architecture
- Data Manipulation Language (DML)
- Data Definition Language (DDL)
- Manipulation of Data (SQL Command)
- Stored Procedure
- Function
- Trigger
- Views
- Cursor

OVERVIEW OF DATA ACCESS

- Creating database connections
- Connecting to MSSQL Server and MS Access
- DataSet & DataTable Features
- Using inline SQL Statements
- Using Stored Procedures
- Executing select commands
- Sql Transaction
- Summary

C#

- Data Type and syntax Language Fundamentals
- Classes
- Namespaces
- Object Oriented Programming concepts
- Overview of Asp.Net inbuilt Classes and method
- File Handling
- Summary

USING THE GRID VIEW CONTROL

- Grid View Control fundamentals
- Displaying Data
- Using Data Keys
- Sorting Data
- Paging through Data
- Summary

USING THE DETAILS VIEW AND FORM VIEW CONTROLS

- Using the Details View control
- Displaying data with the DetailsView control
- Using Fields with the DetailsView control
- Displaying Empty data with the DetailsView control
- Summary

USING REPEATER AND DATA LIST CONTROLS

- Using Repeater Control
- Displaying data with the Repeater Control
- Displaying Data with the Data List Control
- Summary

USING NAVIGATION CONTROLS

- Understanding Site Maps
- Using the Sitemap Path Control
- Formatting the Sitemap Path Control
- Using the Menu Control
- Using Tree View Control
- Summary

WORKING WITH XML AND WEB SERVICES

- Overview of XML
- Creating /Reading/Deleting XML Files
- Web Services
- Summary

AJAX (ASYNCHRONOUS JAVASCRIPT AND XML)

- About Ajax
- Setting up and implementing Ajax
- Summary

FTP MANAGEMENT

- Understanding FTP
- Setting up FTP Server (Live)
- Uploading and downloading FTP contents
- Summary

SENDING EMAILS

- Designing email panel
- How to send an email to various users
- Sending auto emails
- Summary

DEPLOYMENT

- Deploying application on Web Server
- Summary

LIVE PROJECT

- Getting customer's requirements
- Preparing database and business logics
- Developing application
- Testing and implementing the project
- Troubleshooting the project application after implementation
- Summary