

Asp.Net Training Syllabus

Chapter Cover

- ✓ HTML
- ✓ CSS
- ✓ Java Script
- ✓ JQUERY
- ✓ C# Complete Programming Concept
- ✓ Working of dot net Framework
- ✓ SQL Server Database Connectivity in Web Application
- ✓ 3 Tier Working Architecture

Training Content

HTML

- Introduction
- HTML Introduction
- Working of HTML Basic Tags
- Form designing in HTML
- Table Structure Designing
- HTML linking and Embedding
- IFrame Concept

CSS

- Introduction to CSS
- Type of CSS
- CSS creation
- Internal CSS Creation
- External CSS creation
- In-Line CSS Creation
- DIV Tag Concept
- CSS Attribute

Javascript

- Introduction Java Script
- Java Script Syntax
- Java Script Statement
- How to use html tags inside Java Script
- Input Concept in Java Script
- How to create Variable in Java Script
- Variable Input Concept
- Java Script Condition Statement and working
- Java Script Loop Statement and working
- Break / continue fundamental
- Java script String Handling function
- Java script Math Function
- Working of Java Script Array
- Java script List concept
- Java Script SET concept
- Introduction Java Script DOM
- How to get HTML Element inside Java Script using getElementById()
- How to get HTML Form element inside Java Script · Java Script DOM CSS Concept and working · Java Script DOM Event Creation
- Introduction to Java Script BOM
- Working of Window Object
- Working of Screen Object
- Working of Location and History Object
- Java Script POP UP Alert Concept
- Java Script LET Concept

C#

- Introduction to C# Programming
- How to create First C# Application
- C# Statements
- Readkey() concept
- Data Type Fundamental
- Input Concept
- Operator and Type Casting concept
- Condition Statement C#

- C# Looping Concept
- Introduction Function In C#
- Function Create / Call
- Parameter Concept in function
- Function within Function
- Input Concept in Function
- Function Overloading Concept
- Local and Global Variable
- C# String Handling Function
- C# Mathematical Function
- C# Array Creation
- Input / Output concept in Array
- Double Dimension Array concept
- C# Collection Concept
- C# Delegates Concept
- C# Multithreading Concept
- Assignment Provide

OOPS

- Concept of object Oriented Programming
- How to create class and object
- Parameter concept in class and object
- Object Oriented Property
- Constructor Concept
- Destructor
- Input concept
- Inheritance Concept
- Abstract class Fundamental
- Sealed Class Concept
- Interface Concept
- Polymorphism concept
- Access Modifier
- C# Struct and Enum Concept
- C# get; set; fundamental concept
- Exception Handling concept

Dot Net

- Introduction Dot net Framework
- Working of dot net environment
- How to create first dot net web application · Web form creation
- Execute application
- IIS Fundamental
- Important of web Config file
- Working of dot net control
- Text Box and button control and develop some logic
- Dropdown List control and develop some logic
- Radio button list
- Link button / Hyperlink
- Multi view concept
- Check box List
- File Upload Control
- Image Button
- Date and time concept
- Directory Creation
- Concept of master page creation
- Working of website template
- Convert template to master page
- How to handle multiple master page in web application
- How to use CSS in dot net control
- Dot net validation control
- Client side validation concept and implementation
- Assignment like create registration form with validation
- Dot net state management concept
 - a. Query String
 - b. Application State
 - c. View State
 - d. Cookies
 - e. Session
- Session concept
- Create and access session
- Session security concept
- !ispostback concept and working · Assignment
- Query String Fundamental
- Create and access

- Check query string
- Application state
- Working and creation
- Concept of global.asx file
- Assignment
- View state create and access
- Cookies Concept Create and working · Hidden Fields Concept

Database

- Introduction database
- Working of SQL SERVER MANAGEMENT STUDIO
- Basic query fundamental
- Create table concept with primary key and identity column
- Foreign Key Concept
- Database clause concept and working
- Database alter command
- Constraint fundamentals
- Database view concept
- Union / Intersect / Union All operation
- Database Joining Concept
- Inner join
- Left outer
- Right Outer
- Full Outer
- Cross
- Introduction store procedure
- Create store procedure
- Parameter in store procedure
- Execute store procedure
- Programming inside store procedure
- Stored Procedure optimization
- CTE table utilization
- Self and Cross Join
- Union All Concept
- Table sequence and Indexing

- Introduction to database connectivity in dot net web application
- How to connect SQL SERVER MANAGEMENT STUDIO to dot net framework
- Use of Common Table Expression (CTE)
- Cursor
- Inbuilt Functions (Aggregate, Date etc.)
- User defined function
- Basics of Index, Sequence
- Data types and used defined table datatypes.

ADO.Net

- Connected / Disconnected Architecture
- Dataset vs Datareader
- All methods and properties of SqlCommand Class.
- Concept of ADO
- Concept of SQLCLIENT library
- Database Object concept and create (SQLCONNECTION / COMMAND / DATAREADER)
- Concept of Execute Non Query
- Create demo registration page and submit record to database using code in c#
- How to pass control in a database query
- Concept of parameter query (@)
- Pass control to parameter query
- Concept of select query
- How to get connection string using web.config file
- Database handling using Class & Object
- Insert / update / delete / select using class and object
- Database connectivity using store procedure
- Pass control to store procedure parameter
- Basic query operation using store procedure · Introduction to dot net data control like
 - ✓ Gridview
 - ✓ Repetitor
 - ✓ Data list
 - ✓ Detail view
 - ✓ Form view
 - ✓ List view

- Concept of Gridview control
 - ✓ Bind database column to gridview (bound fields) ✓ Show Record in a Gridview
 - ✓ Template fields concept
 - ✓ Create control inside template fields
 - ✓ Eval / Bind Methods in Gridview
 - ✓ Auto generate serial number in Gridview
- Gridview Footer Concept
- Control Programming in Gridview
- Naming Container Concept
- Assignment
- Bind Image in Gridview
- Gridview Paging Concept
- Export Excel concept
- Concept of Repeter
- Data bind to repeter
- Event Handling Concept
- Eval Concept
- Data List concept
- Bind database column to data list
- Event handling data list
- Image binding
- E-commerce layout create in Data List
- Concept of List View control
- All Gridview Operation is convert into List View
- Listview Crud Operation
- Paging
- CSS in listview control
- Concept of Form View Control
- Data binding form view
- Form view event handling
- Concept of detail view
- Data binding
- Concept of 3tier Architecture
- Create layer structure
- Get reference concept
- Database handling in 3tier concept
- Basic concept of crystal report

Ajax

- Update Panel
- Script Manager
- Some useful controls of Ajax Control Toolkit

Assembly

- Types of Assembly
- How to create a dll and use it in Web forms.

Code:-

- Bootstrap 4.0/ 5.0
- Introduction API development
- Client-side / Server-side Validation
- Report (HTML Report)
- Code reusability technique