Microsoft ASP .NET Whole Course Syllabus
upto Developer Module
(Including all three module Primary .NET + Advance Course Techniques+ Developer Tricks)

- Introduction of .NET Framework
- CLR (Common Language Run time Environment)
- CLR Services
- Just In time Compiler
- Assembly Concepts
- Syntax and Data types Reference
- Classes and Objects in C# (C Sharp)
- Class Property Development
- Access Modifier
- CTS (Common Type System) & CLS (Common Language Specification)
- Inheritance
- Abstract and Sealed Classes in C# .NET

- Interface
- Namespaces in .NET framework
- Partial Classes
- Collection Classes
- Boxing and Unboxing
- Delegates in .Net
- File handling
- Web Pages

- Introduction
- Data Types
- Variable Declaration and Instance
- Conditional Statements
- Looping
- Procedure

- Function
- Array Handling in C Sharp
- Working with Classes and Objects
- Windows Forms

- Web Pages

- Web Page using HTML
- Web Designing with Deramweaver Software
- Using DIV

- Client Side Scripting features
- Javascript
- variable
- User Functions
- JavaScript DOM
- Accessing Form Object

- Timer
- Apply Validation Scripts
- Change Image Frquently
- JavaScript Events

- Managing IIS (Internet Information Server)
- Data transfer Between Server and Client
- Dynamic use of get Method
- Navigation from html to HTML Controls
- Concepts of PostBack in Asp .Net
- Previous Page Controls Concepts
- State management through View State
- Dynamic Event Merging in Microsoft .NET
- Data Binding Concepts
- Rich Server Controls
- Dynamic Creation of Controls
- Dynamic Event Handling
- Validating Page through Validation Controls
- Separate Block of Validation
- Understanding Classes
- Generating and Consuming DLL
- Web user Control
- Generating Property within Classes

- Handling of Child Control in Parent
- XML Concept
- XSLT
- Using Master Pages
- Master Page Nesting
- Applying Navigation Controls , menu, TreeView
- Giving Sitemap
- Managing WEB.config & Global.asax

- Managing Web Themes
- Error Handling in Web Pages
- Cookies Handling
- Implementing Sessions
- Caching
- Partial Caching at Server side
- Web Security
- Login Controls
- DB Operation by Ado.Net
- Data Provider
- Connected Mode Architecture
- Create , Insertion, Updation in Tables
- Parameterize Queries
- Binding Controls to database
- Working in Disconnected Mode Architecture in ADO .NET
- Using Data Templates
- Using Multiple tables
- Implementing Joins and Views
- Implementing Stored Procedures
- Data Controls
- Managing Master Child relationship in DataControls
- Providing Navigation Facility Within Grid
- Key Field Editing in Grid
- Paging in GridView
- Formatting GridView
- Form View and Detail View Control

- making DB in Microsoft SQL Server
- make SQL Table
- Drop Statements
- Alter table
- Giving Constraints

- Select Statements
- Insert ,Update and Delete Statements
- Sub Query
- Using Where Clauses

- using Like , Between ,In , Null Operators
- Generating Views
- Stored Procedure
- Function
- Transactions
- Triggers
- Xml
- Data Integrity
- Making Relationship

- Security using Database
- Web Services
- Consuming Web Services
- **AJAX**
  - Concept of Asynchronous Method
  - Ajax by Implementing JavaScript & xml
  - Understanding Ajax Script Process
  - Database Interaction with AJAX
  - Unique Identity through AJAX
  - AJAX by Update Panel
  - Ajax Script manager

- Generating Web Assembly and Deployment
- Web Hosting
- Remote Server Management
- **PROJECT**

ADVANCE .NET Course Content

- **WCF** - Windows Communication Foundation
- Define WCF Service Contract
- Implement WCF Contract
- Host WCf Service
- Create EndPoints
- Create & Configure WCF Client
- Use WCF Client

- LINQ (Language Integrated Query)
- LINQ to SQL
- MVC .Net Model
- SILVER LIGHT
- Two Tier Architecture

Developer Level Course Contents

- Working with Generic Classes
- Building Custom Control
- Adding your Own Controls in Toolbar

- Managing Runtime CSS
- Rich Java Script Animation
- Menu Through Java Script
- Applying JavaScript on Server Controls
- Implementing Runtime JavaScript by Server Side Programming
- Integrating java Script with DataBase

- DataBase Operation by AJAX
- Ajax Implementation using .net interface Method

- Introduction to SILVER LIGHT Application
- .Net Integration with Silverlight
- Event handling in SilverLight
- Understanding Layout
- SilverLight Tools Integration in .Net
- Database Interaction in SilverLight
- WCF

- Sending Email by Domain Account
- Sending Email by GMAIL Account
- Implementing Web Service on Html Page
- XML in Advance Mode

- Development in Multi Tier Architecture
- Database and Business Component Classes
- Implementing DAL and BAL
- Implementing Static and Non Static Methods of DB Layer
- Dynamic Binding of DataControls through DAL and BAL
- Using Microsoft Business Component
- Developing N-Tier using XSD

- Working With DataView
- DataTable Class
- Relationship on DataSet
- DB Modification through DataSet
- Using Transaction
- Giving Insertion facility in GridView
- Using DropDown in Default Mode of Grid-View

- Drop Down Event Handling in Grid-View
- Hierchical Grid Operation
- Understanding Template Structure in GridView
- Traversing in GridData

- Editing in GridView by Manual Code
- Updation in GridV. by Manual Code
- Deletion in GridV. by Manual Code
- Passing data to Session within GridV.
- Providing Manual Sorting in GridView
- dynamic Indexing in GridView
- Defining unbound DataGrid
- Giving Editing , Updation facility in UnboundGrid
- Giving deleting facility in UnboundGrid
- Transferring data of unbound grid to Database
- Showing Product catalog in DataList

- Enabling DB for Caching
- SQL Cache
- Globalization and Localization
- Generating XML Doc
- RSS Feed
- Consuming RSS Services
- Advance Search Concepts
- Traversing in grid
- Playing with Binary data in .Net and SQL
- Storing Images in DataBase
- Retrieving Images Through DB

- Password Detection through Image Reading
- **MVC .Net** Concept
- Implementing MVC .NET
- Chat Application
- Using Microsoft **Excel Sheets** in .Net
- Interacting with Excel Sheet
- Image Generation through .Net using XML as Data Source
- SQL Full Text Search
- Giving manual Paging facility in DataList

- FileUploading within GridView
- Apply security on forms by Using Captcha Control
- **Language Interoperability** in VB .Net and C#(Bi language Communication)
- Binding Images in grid without database
- Applying Data Filters in Grid
- Binding Images in Grid Form Binary format
- Add Pictures in Email
- Multi Language Application