

VEER NARMAD SOUTH GUJARAT UNIVERSITY

Syllabus

MCA(5TH Semester)

PAPER Advanced Web Technology (ASP.NET Using C#)

- 1 Introduction to C# and .NET Framework**
 - 1.1 HTTP
 - 1.2 C# Basics & .NET 3.5 Architecture
 - 1.3 Introduction to WPF, WCF, Workflow
- 2 Web Form Fundamentals**
 - 2.1 HTML Server controls
 - 2.1 Page Class
 - 2.3 Web Configuration files
- 3 Web Controls**
 - 3.1 Common Web Server Controls
 - 3.2 Specialized Web Server Controls
 - 3.3 Table,Image, FileUpload
 - 3.4 AutoPostBack
- 4 Debugging, Tracing & Error Handling**
 - 4.1 Exception Handling
 - 4.2 Logging Exceptions
 - 4.3 Error Pages
 - 4.4 Page Tracing
- 5 Validation and Rich Controls**
 - 5.1 Validation Controls
 - 5.2 Rich Controls
 - 5.3 Calender, AdRotator
- 6 State Management**
 - 6.1 View State, Query String
 - 6.2 Cookie , Session
 - 6.3 Session
 - 6.4 Application , Global.asax
- 7 Customizing & Personalizing Web Apps**
 - 7.1 CSS, Themes, and Master Pages
 - 7.2 Portals with Web Part Pages
- 8 Website Navigation**
 - 8.1 Sitemap, Treeview, Menu
- 9 ADO.NET Fundamentals**
 - 9.1 ADO.NET Architecture
 - 9.2 Direct Data Access
 - Disconnected Data Access
- 10 Databinding & Datacontrols**
 - 10.1 Single-view, Repeated-Value, Data Source
 - 10.2 Gridview - Formatting, Edit, Sorting, Paging, Templates
 - 10.3 Detail View, Form View

- 11 XML**
 - 11.1 Basic
 - 11.2 XML TextWriter
 - 11.3 XML TextReader
 - 11.4 XML Validation
- 12 LINQ**
 - 12.1 Basics
 - 12.2 LINQ to dataset
 - 12.3 LINQ to SQL
 - 12.4 LinqDataSource
- 13 Caching and Asynchronos Pages**
 - 13.1 Output caching
 - 13.2 Data caching
 - 13.3 Cache Dependencies
- 14 Profiles**
- 15 Security Fundamentals**
 - 15.1 Basic
 - 15.2 Forms Authentication
 - 15.3 Windows Authentication
 - 15.4 Security Controls
 - 15.5 Role-Based Security
- 16 Web Services**
 - 16.1 Architecture
 - 16.2 WSDL
 - 16.3 SOAP
 - 16.4 DISCO
 - 16.5 Web Service Creation and Implementation
- 17 ASP.NET AJAX**
 - 17.1 Introduction
 - 17.2 Server Callbacks
 - 17.3 ASP.NET AJAX Server Controls
- 18 Intro to Silverlight**
- 19 Introduction to Sharepoint Portal**
 - 19.1 Sharepoint Services
 - 19.2 Sharepoint Administration
 - 19.3 Sharepoint Customization