

Course: 505 - ASP.Net

Course Code	505
Course Title	ASP.NET
Credit	4
Teaching per Week	4 Hrs
Minimum weeks per Semester	15 (Including class work, examination, preparation etc.)
Review / Revision	2021-2022
Implementation	A.Y.2022-2023
Purpose of Course	To make students aware of Web Based Tools and Database
Course Objective	To make students understand concepts of Web Technology
Pre-requisite	Basic knowledge of Scripting Language & HTML.
Course outcome	Student will get good hands on experience to develop, manage and maintain Web based application.
Course Content	<p>Unit-1. Introduction to ASP.NET</p> <p>1.1 What is ASP.NET 1.2 .Net framework 2.0 1.3 Compile Code 1.3.1 Code Behind and Inline Coding 1.4 The Common Language Runtime 1.5 Object Oriented Concepts 1.6 Event Driven Programming</p> <p>Unit-2. Server Control</p> <p>2.1 Post back 2.2 Data Binding 2.2.1 Grid View 2.2.2 List Box 2.2.3 Data list 2.2.4 Data binding Events 2.2.5 Repeater 2.2.6 Form view 2.3 Web Server Controls, HTML Server Controls (basic HTML Server Control), Validation Controls, Navigation Controls, Login Control 2.4 Master Page, Themes & CSS</p> <p>Unit-3. Database Access</p> <p>3.1 Introduction about ADO.NET 3.2 Introduction about Provider, Adapter, Reader, Command Builder 3.3 Database Access using ADO.NET</p> <p>Unit-4. Client Server Communication</p> <p>4.1 Communications with Web Browser 4.2 Response Object 4.3 Cookies 4.4 Query String 4.5 Session Management and Variable Scope</p> <p>Unit-5. Advance ASP.NET</p> <p>5.1 Web.config 5.2 Sitemappath Server Control 5.3 User Control 5.4 User Profile 5.5 Web Services 5.5.1 Basics of Web Services</p>

	5.5.2 Interacting with web services 5.6 Error Handling 5.6.1 Unstructured Error 5.6.2 Structured Error 5.6.3 Error handling in Database [All Units carry Equal Weightage]
Reference Books	1. ASP.NET – A Beginner’s Guide by Dave Mercer – TMH 2. ASP.NET Bible – Mridula Parihar et. Al. – Wiley India 3. Programming ASP.NET 4 – Dino Esposito 4. Professional ADO.NET – Bipin Joshi, Donny Mack, Doug Seven, Fabio Claudio Ferracchiati, Jan D Narkiewicz - Wrox 5. ASP.NET for Developers – Amundsen 6. The Complete Reference ASP.NET -Matthew MacDonald –TMH 7. ASP.NET – Black Book – dreamTech 8. Beginning ASP.NET 3.5 in C# and VB –Wrox-Imar Spaanjaars
Teaching Methodology	Class Work, Discussion, Self-Study, Seminars and/or Assignments
Evaluation Method	30% Internal assessment. 70% External assessment.