

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	June 2016
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 Out come	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> <ul style="list-style-type: none">1.1. What is ASP.NET1.2. .Net framework 2.01.3. Compile Code<ul style="list-style-type: none">1.3.1. Code Behind and Inline Coding1.4. The Common Language Runtime1.5. Object Oriented Concepts1.6. Event Driven Programming <p>Unit 2. Server Control</p> <ul style="list-style-type: none">2.1. Post back2.2. Data binding<ul style="list-style-type: none">2.2.1. Grid View2.2.2. List Box2.2.3. Data list2.2.4. Data binding Events2.2.5. Repeater2.2.6. Form view2.3. Web Server Control2.4. Html Server Control (basic HTML Server Control)2.5. Validation Control2.6. Master Page2.7. Themes & CSS <p>Unit 3. Database Access</p> <ul style="list-style-type: none">3.1. Introduction about ADO.NET3.2. Introduction about Provider, Adapter, Reader ,Command Builder3.3. Database Access using ADO.NET <p>Unit 4. Client Server Communication</p> <ul style="list-style-type: none">4.1. Communications with Web Browser4.2. Response Object4.3. Cookies4.4. Query String4.5. Session Management and Variable Scope

	Unit 5. Advance ASP.NET 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 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
Reference Book	1. Professional ASP.NET 1.1. -Bill Evjen , Devin Rader , Farhan Muhammad, Scott Hanselman , Srivakumar – Wrox 2. Introducing Microsoft ASP .NET 2.0, Esposito - PHI 3. Professional ADO.NET – Bipin Joshi,Donny Mack, Doug Seven , Fabio Claudio Ferracchiati, Jan D Narkiewicz - Wrox 4. Special Edition Using ASP.NET – Richard Leineker – Person Education 5. The Complete Reference ASP.NET -Matthew MacDonald –TMH 6. ASP.NET – Black Book – dreamTech 7. 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.