

Course Name : Web Application Development II	Course Code : ITDB302
Pre Requisite : ITIS103-Web Technologies	Credit Hours : 3
Passing Grade : Depending on the Type of the course belongs to the Audit Degree	Level: Advanced Diploma
No. of Theory Hrs: 1	No. of Practical Hrs : 4
Goal: To prepare the students to gain skills in building dynamic web applications using ASP.NET	
Objectives: Upon completion of this course, the students should be able to: <ol style="list-style-type: none"> 1. Explore Microsoft .NET Framework 2. Acquire skills needed to develop and deploy an ASP.NET web application 3. Get familiarize with ADO.NET data access methods 4. Understand .NET web services 	
Outcomes	Methodologies
Upon completion of this course, the students should be able to:	
1. Discuss the concepts of .NET framework and ASP.NET	Theory
2. Configure ASP.NET web server controls such as standard controls, data controls, navigation controls, and validation controls in a web form	Practical
3. Use code-behind files to add functionality for web forms	Practical
4. Work with master pages in building consistent web sites	Practical
5. Apply AJAX controls to create rich and responsive web forms	Practical
6. Use ADO.NET technology to manage data in an ASP.NET web application	Practical
7. Manage data access tasks by using Language-Integrated Query (LINQ)	Practical
8. Apply stored procedures to handle events of a web form	Practical
9. Explain .NET web services	Theory
10. Maintain page information through state management	Practical
11. Configure and deploy an ASP.NET web application	Practical
Software & Hardware Tools: C#, Microsoft Visual Studio	
Text Book: Beginning ASP.NET with C#, by Chris Hart, John Kauffman, David Sussaman, Wrox Publications.	
Reference Book: Beginning ASP.NET 4.5 with C#, Matthew MacDonald, Apress	

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