Course Code	Course Name	Teaching Scheme (Hrs/week)			Credits Assigned			
		L	T	P	L	T	P	Total
L501	**Laboratory I – AWT + Dot Net**	--	--	4	--	--	2	2
		Examination Scheme						
		TermWork		**Practical**		**Oral**		**Total**
		80		**10**		**10**		**100**

Pre-requisite Course Codes		Students will be able to
Course Outcomes	**CO1**	Understand the concepts of the advanced web technologies
	CO2	Implement web services and develop well designed, dynamic Web applications.
	CO3	Develop well designed, effective standalone applications using .NET technology.

Exp. No.	Experiment Details	Ref.	Marks
1	**Introduction to C#** • Program to demonstrate reference data types i.e. string, date time • Program using array, using object and class , using array list, collection	11,3	8
2	**Program based on Exception Handling ,Generic, Inheritance and polymorphism** • Program to demonstrate getter and setter method • Program to On Exception Handling Mechanism covering (Try,Catch,Throw,Throws,Finally) • Program to demonstrate generic, to demonstrate inheritance and polymorphism	11,3	9
3	**Program based on File handling** • Program to demonstrate use of directories, sequential access file ,random access file • Program on serialization and deserialization • Program to demonstrate LINQ	7	9
4	**ASP.NET :** • Program based on PostBack and CrossPage posting • Program based on validation controls • Program using Master Pages and Themes and Skins • Program to demonstrate PageLife Cycle	10	8
5	**ADO.Net and jQuery:** • Program to demonstrate binding of different Controls using ADO.NET • Program to demonstrate the use of jQuery	8, 4	8
6	**Managing State:** • Program to demonstrate Managing State with ViewState and Session • Program based on Cookies for maintaining state. • Program using Cache Object to store Data, Program on a Shopping Cart	8, 13	9
7	**Web services :**	7, 5,	9

		13	
• Program to create web service • Program to create web service which returns DataSet. • Program to call web service asynchronously • Program for securing a Service using Windows Authentication • Program for securing a Service using SOAP header		13	
	Total Marks		**60**

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[3] Jack Purdum, "Beginning C# 3.0: An Introduction to Object Oriented Programming", Wrox
Publication,2008

[4] Jonathan Chaffer and Karl Swedberg "Learning jQuery", 3rd Edition , SPD
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[5] ChiragPatel, "Advance .NET Technology" 2nd Edition , DreamTech Press,2012

[6] CristianNagel,BillEvjen,JayGlynn,Karli Watson, Morgan Skinner, "Professional C#
2012 and .NET 4.5" ,Wrox Publication

[7] Anne Boehm,JoelMurach, "murach's ASP. NET 4 Web Programming with C# 2010",
4th Edition ,SPD Publication,2011

[8] Anne Boehm,Ged Mead, "murach's ADO. NET 4 database Programming with C#
2010", 4th Edition ,SPD Publication,2011

[9] Andrew Trolsen, "Pro C# 5.0 and the .NET 4.5 Framework" 6th Edition, APress,2013

[10]Vijay Mukhi and SonalMukhi, "Visual Studio .NET with C#" , BPB Publication

[11]Andrew Stellman and Jennifer Greene, "Head First C#", 2nd Edition , O'Reilly, SPD
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[12] Web Technologies Black book , DreamTech Press, 2013

[13]Ralph Moseley & M. T. Savaliya, "Developing Web Application", 2nd Edition,
Wiley,2012