	: GUI using .Net Framework	
Teaching Scheme Lectures: 3 hrs/Week Tutorials: 1 hr/Week Credits: 4	Teachers Assessment – 6 Attendance – 12	2 Marks Marks 2 Marks 3 Marks

Prerequisite: HTML and CSS.

Course Objectives:

- 1. Learn about MS.NET framework developed by Microsoft.
- 2. You will be able to using XML in C#.NET specifically ADO.NET and SQL server.
- 3. Be able to understand use of C# basics, Objects and Types, Inheritance.
- 4. To develop, implement and creating Applications with C#.
- 5. To develop, implement, and demonstrate Component Services, Threading, Remotin Windows services, web.
- 6. To understand and be able to explain Security in the .NET framework and Deployment the .NET.
- 7. To develop Assemblies and Deployment in .NET, Mobile Application Development.

Detailed Syllabus:

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Unit of puter Applications

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COM technologies, .NET technologies), The architecture of .Net Framework, Common Language Runtime (CLR), Common Type System (CTS), Common Language Specification (CLS), Microsoft Intermediate Language (MSIL), Just-In -Time Compilation, Framework Base Classes. Introduction of Programming Language C#: Introduction of C#, Characteristics of C#, Differences between C# and C++, Differences between C# and JAVA, C# program introduction: The Main method specification, Namespace, Variables: Declaring implicit and explicit variables, Datatypes, Boxing and Un-boxing. Unit-3 Controlling program execution: IF statements, CASE (switch) statements, Operators, Looping, Storing multiple values with arrays. Inheritance, Method Overloading and method overliding, Polymorphism, Operator Overloading, Abstract Class, Inner Class, Interface, Delegates, Partial Classes, Errors and its types, Exception Handling. Unit-4 GUI -Controls and There Event Handling: Text Box, Rich Text Box, Masked Text-box, Label, Link Label, Radio Button ,Check Box, List Box ,Combo Box ,Checked List Box .Date Time Picker Control, Calendar Control, Tool Tip, Shock Web Flash Object. Navigation Control and Its Event Handling: Context Menu Strip, Tool Strip, Status Strip, Tool Strip Container. Unit-5 Containers and its Event Handling: Flow Layout Panel, Group Box, Panel, Split Container, Tab Control, Table Layout Panel. Dialog Boxes and its Event Handling: Message Dialog Boxes, Color Dialog, Folder Browser Dialog, Font Dialog, Open File Dialog, Save File Dialog. Unit-6 Data Controls: Data Source, Data Set, and Data Grid View displaying Record in the Grid View Controls. ADO.Net: Connected and Disconnected Architecture, Displaying Record from the Database, Inserting Record into Database, Creating Login using Database, Deleting Record from the Database, Fetching Record from the Database, Update Record in the Database, Creating Setup of .Net Application using Set up Wizard. Suggested Readings: 1. Beginning Visual C# 2008, John Wiley, Wrox, May 2008. 2. Microsoft .Net for Programmers, Fergal Grimes, SPI, 2002. 3. Programming with C#, E. Balagurusamy, TMH, 1st Edition. **Course Outcomes:** After completing the course, students will be able to: 1. Learn to develop applications using C# and VB.NET. 2. Learn to apply these languages to develop server-side applications which make use of ADO.NET, ASP.NET, Web Services etc. 3. Understand use of C# basics, Objects and Types, Inheritance 4. Develop, implement and creating Applications with C#. 5. Develop, implement, and demonstrate Component Services, Threading, Remoting, Windows services, web Understand and be able to explain Security in the .NET framework and Deployment in the .NET. SILY AM Head Applications