

III B.C.A.	PROGRAMMING USING MICROSOFT TECHNOLOGY (C#.NET) For the students admitted in the year 2009 - 2011	CA510S
SEMESTER - V		HRS/WK-5
CORE – 10		CREDIT - 5

Objective : To make the student get exposed with the latest programming concept Dot net and to equip them with skills related to c# programming.

UNIT-I **[12 hrs]**

Origin of Dotnet Technology :- Dot Net framework overview – Major Components of Dotnet Framework.

UNIT -II: **[12 hrs]**

Common Language Runtime(CLR): CLR activities for executing a program- Components of CLR- MSIC- JIT- Managed code –Dotnet Languages- Benefits of Dotnet approach- Anatomy of Dotnet applications.

UNIT-III: **[12 hrs]**

Introducing C# and its features: Types of application in visual# - Visual Studio IDE – Variables, data types and Operators.

UNIT-IV: **[12 hrs]**

Control Structures (Branching and Looping) : Methods – Classes – Namespace – Properties – Interface.

UNIT –V: **[12 hrs]**

Windows forms: Standard Controls – Overview of ADO .Net Objects – Creating new data Connection – Accessing data using Connection class, Command Class and DataReader Class (OLEDB Connection).

TEXT BOOKS:

1. Yashavant Kanetkar, 2004 C#.Net. Motilal Books of India.
2. Peter Drayton , Ben Albahari, Ted Neward. C# in an nutshell. O’Reilly Publication.
3. E.Balaguruswamy. Programming with C# - 1- Edition. Tata McGraw – Hill Publication.

REFERENCE BOOKS

1. Herbert Schlitz. 2002 C# - A Beginner’s Guide. Osborne/ McGraw – Hill Publication.
2. Burton Harvey, Simon Robinson, julian Templeman and Karli Waston, ‘C# Programming with the Public Bata’, Shroff Publishers & Distributors Pvt. Ltd(SPD) Mumbai, April 2001.
3. Ben Albahart, Peter Drayton and Brad Merrill, ‘c# Essentials’, SPD, Mumbai March 2001.
4. Thamari Selvei, A text Book on C#: A Systematic Approach to OOP, Pearson Ed.