21INT06	C# and .Net Programming	L	T	P	C
		3	0	0	3
	n objective of this course is to understand and learn the concepts		and and	.Net	
	nming and can help in the implementation of the various live proje	ect			
UNIT I	C# LANGUAGE BASICS		9 Ho	urs	
	tecture - Core C# - Variables - Data Types - Flow control - Object of Structs - Inheritance- Generics — Arrays and Tuples - Operate			• •	
UNIT II	C# ADVANCED FEATURES	9 Hours			
Strings an	- Lambdas - Lambda Expressions - Events - Event Publisher - Ed Regular Expressions - Generics - Collections - Memory M Errors and Exceptions - Reflection				
UNIT III	LIBRARIES AND DATA MANIPULATION	9	9 Hot	ırs	
Manipulati ADO.NET	s -Tasks, Threads and SynchronizationNet Security - ng XML- SAX and DOM - Manipulating files and the Registry- Peer-to-Peer Networking - PNRP - Building P2P Application Foundation (WPF).	Tra	nsacti	ons -	-
UNIT IV	WINDOW BASED APPLICATIONS, WCF AND WWF	9	Hou	ırs	
Communic	pased applications - Core ASP.NET- ASP.NET Web forms - cation Foundation (WCF)- Introduction to Web ServicesNet R Service - Windows Workflow Foundation (WWF) - Activities – W	emot	ing -		

UNIT V .NET FRAMEWORK AND COMPACT FRAMEWORK

9 Hours

Assemblies - Shared assemblies - Custom Hosting with CLR Objects - Appdomains - Core XAML - Bubbling and Tunneling Events- Reading and Writing XAML - .Net Compact Framework - Compact Edition Data Stores - Errors, Testing and Debugging - Optimizing performance - Packaging and Deployment - Networking and Mobile Devices

Course Outcomes:

- Understand the basic structure of C# and .Net Programming
- Understand the basic Libraries and its functions
- Understand the basic concepts underlying the ASP.net and C#.net
- Understand the basic concepts of .NET framework and compact frame work.

Text books:

- 1. C# 4.0 the Complete Reference by Herbert Schildt
- 2. Latest version of Andrew Trolsens C# text from Apress(Pro C# 5.0 and the .NET Framework 4.5)

Reference Books:

1. Robert Powel, Richard Weeks, C# and the .NET Framework, Techmedia