

CS 9029

.NET AND C# PROGRAMMING

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UNIT - I

9

C# and the .NET framework – C# basics – Objects and types – Inheritance – Arrays – Operators and casts – Indexers

UNIT - II

9

Delegates and events – Strings and regular expressions – Generics – Collections – Memory management and pointers – Errors and exceptions

UNIT - III

9

Tracing and events - threading and synchronization - .Net security – localization – Manipulating XML - Managing the file system – basic network programming

UNIT - IV

9

Window based applications – Data access with .NET – basics of ASP .NET - Introduction to web services

UNIT - V

9

Architecture – Assemblies – shared assemblies – CLR hosting – Appdomains – Reflection

TOTAL : 45 PERIODS

TEXT BOOK:

Christian Nagel et al. "Professional C# 2005 with .NET 3.0", Wiley India , 2007

REFERENCES:

1. Jesse Liberty, "Programming C#", O'Reilly, 2001.
2. Andrew Troelson, "Pro C# with .NET 3.0", Apress, 2007.
3. Kevin Hoffman, "Visual C# 2005", Pearson Education, 2006.
4. S. Thamarai Selvi, R. Murugesan, "A Text Book on C#", Pearson Education, 2003.