Paper No : 701
Paper Title : Advanced Programming Environment – I. (.Net & C#)  
[L : 4, P : 0 Hrs]

1 .NET Architecture.

2 Introduction to C#
   2.1 The development of C#
   2.2 Comparison with C, C++, VB, and Java

3 C# Language
   3.1 Data Types
   3.2 C# Predefined Types
   3.3 Complex Types
   3.4 Variables
   3.5 Constants
   3.6 Operators
   3.7 Flow Control
   3.8 Program Structure

4 Object Oriented C#
   4.1 Method Overloading
   4.2 Construction & Disposal
   4.3 Operator Overloading
   4.4 Indexers
   4.5 Interfaces
   4.6 Collections

5 Exception & Error Handling

6 Delegates

7 Events

8 C# Preprocessor Directives

9 Assemblies, Threads, and AppDomains

9 C# & Windows Forms

Main Readings :
   1. C# and the .NET Platform – Andrew Troelsen – a! Press
   2. Professional C# - Wrox

Supplementary Readings :
   1. C# The Basics – Vijay Mukhi
   2. C# Essentials – Ben Albabari
   3. C# The Nuts & Bolts – Akash Sarat & Sonal Mukhi
   4. C# Made Simple – BPB Publication