Windows Application Development - C#.NET (20PCA3CT08 )

**Unit I**

Introduction– Dive into Visual C# 2010 Express– Introduction to C# Applications – Introduction to Classes and Objects

**Unit II**

Control Statements: Part I– Control Statements: Part II– Methods: A Deeper Look– Arrays  – Garbage Collection and Destructors, Static Class Members– Delegates, Lambda Expressions, Anonymous Types.

**Unit III**

Object Oriented Programming: Inheritance– OOP: Polymorphism, Interfaces and Operator Overloading  – Exception Handling - Introduction to LINQ and the List Collection– Graphical User Interfaces with Windows Forms: Part 1

**Unit IV**

Graphical User Interfaces with Windows Forms: Part 2– Database and LINQ  – Generics– Collections– GUI with Windows Presentation Foundation.

**Unit V**

**Data Access with .NET**ADO.NET Overview– Using Database Connections– Fast Data Access: The Data Reader – Managing Data and Relationships: The DataSet Class  – Populating a DataSet – Persisting DataSet Changes – Working with ADO.NET– The DataGrid Control– Data Binding – Visual Studio.Net and Data Access.