

C# .net Syllabus

- 1) Introduction
- 2) Programming of C# • Variables • Operators • Expressions • Data Types • Type conversions • Boxing and Unboxing. • Access Specifiers • Debugging our own code
- 3) Branching and Flow Control • Conditional Branching (If statements and Switch case statement) • Repeating Code Blocks(While, Do While, Switch)
- 4) Working with Arrays • Introducing Arrays • Manipulating Arrays • Single, Multiple and Jagged Arrays • Arrays as Collections
- 5) Object-Oriented Programming • Object & Classes • Constructors and Initialization, Destructor • Methods • Method Overloading • Method Overriding • Static Members • Constant and Read-only • Inheritance • Working Abstract Classes and Interfaces • Delegates • Properties • Auto-Implemented Properties
- 6) Collection and Generics • Array List, Hash Table • Working with Dictionaries, Stacks, and Queues
Generics and Arrays • Generics and Lists
- 7) Exception Handling • Exception Fundamentals • User-Defined Exception Classes
- 8) C# Graphical User Interface • Introduction to Windows Forms • Standard Winform Controls • Properties, Events of each Winform Controls • Dialog Boxes •

Menus, Progress Bar • MDI Forms Winform With Real time windows application like Calculator and Notepad

9) ADO.NET • ADO.NET Architecture • Advantages of ADO.Net

Connected and Disconnected Data Access

Architecture • CRUD operations Using SQL Server

Connection, Command, DataReader, DataAdapter & DataSet classes to manipulating data from database using windows form • Executing Queries, SQL

Statements, Stored Procedures • Handling Tables in DataSet

10) Reporting • Install crystal report for visual studio 2012 • How to use crystal report for windows form • Generate report