Programming and Problem Solving through .cs

UNIT - I

The .NET Framework: Introduction, common language runtime, common type system, common language specification (05), the base class library, the .NET class library, intermediate language (05), Just-in-time compilation, garbage collection, assemblies, web services, COM, localization (05).
Lectures: 15

UNIT - II

C# Basics: Introduction, data types, identifiers, variables, constants, C# statements, OOPs concept (05), arrays and strings, operators, control statements, classes and objects (05), access modifiers, overloading, inheritance, overriding, interfaces (05).
Lectures: 15

UNIT - III

Visual Studio IDE features, introduction to Windows forms, components (03), controls: textbox, label, linklabel, status bar (03), checkedlistbox, combobox, listbox, listview, radiobutton, button, panel (04), groupbox, dialog box, menu control, properties, methods, events of controls (05).
Lectures: 15

UNIT - IV

ADO.NET, the component model, creating database connection, database command (03), data repeater, connecting to data sources, choosing a .NET data provider (03), managing a connection, building command objects (04), executing commands, building datasets and datatables, data adapter (05).
Lectures: 15