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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | DOT NET FRAMEWORK AND APPLICATION DEVELOPMENT | 1. NET (pronounced dot net) is a framework that provides programming guidelines that can be used to develop a wide range of applications–––from web to mobile to Windows-based applications. The . NET framework can work with several programming languages such as C#, VB.NET, C++ and F#. 2. Net Framework is a software development platform developed by Microsoft for building and running Windows applications. The . Net framework consists of developer tools, programming languages, and libraries to build desktop and web applications. It is also used to build websites, web services, and games. 3. Net comprises both frontend and backend languages. As for example, ASP.NET is used as backend and C# & VB.NET are used for frontend development | 1. Chalk and   Talk method   1. PPT | * Business   Ethics   * Human   values | PO1:Engineering Knowledge  PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO4:Conduct Investigations Of Complex Problems  PO5:Modern Tool Usage |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
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|  |  | **CO1:Develop** a console application on visual studio .NET platform by **applying** the syntax and semantics of C# programming |
|  |  | CO2:To **create and manage** classes and objects and **Differentiate** between value types and reference types. |
|  |  | **CO3:Design** inheritance and interface applications & **Illustrate** the available built in interfaces in building complex application. |
|  |  | **CO4:Design** and **develop** a C# application using indexer, generic and collections to solve problems. |
|  |  | **CO5:Understand** the concepts of Event in C Sharp programming, **Design** queries to query in-memory data and **Define** own operator behaviour for a given problem. |
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