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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | C# and .Net Programming | 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  PO6: Engineer and Society  PO7:Environment And Sustainability  PO9:INDIVIDUAL AND TEAM WORK  PO10:COMMUNICATION  PO11:Project Management and Finance.  PO12: Life-long  Learning. |  |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
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|  |  | **CO1** Build applications on Visual Studio .NET platform by understanding the syntax and semantics of C#  **CO2** Demonstrate Object Oriented Programming concepts in C# programming language  **CO3** Design custom interfaces for applications and leverage the available built-in interfaces in building complex applications.  **CO4** Illustrate the use of generics and collections in C# |
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