| **Course Objectives:** | **Course Outcomes:** | **PLO** | **NCAAA** | **ASIIN** |
| --- | --- | --- | --- | --- |
| The C# language is intended to be a simple, modern, general-purpose, object-oriented programming language. | Using C# data types, class libraries and control ‎constructs.‎ | a2 | a2, a3 | a3, a4 |
| The language is intended for use in developing software components suitable for deployment in distributed environments. | Develop and write programs applying Object ‎Oriented principles using C#. ‎ | b2 | b1, b2 | a1, a6 |
| Source code portability is very important, as is programmer portability, especially for those programmers already familiar with C and C++. | Implement C# classes, objects, and class ‎relationships. ‎ | b1, b2, b3 | b1, b2 | a1, a6 |
| C# is intended to be suitable for writing applications for both hosted and embedded systems, ranging from the very large that use sophisticated operating systems, down to the very small having dedicated functions. | Building C# classes and inheritance hierarchies | b5 | b2, b3 | a6, a7, a8 |
| Windows applications developers who plan to use C# for stand alone desktop or client/server programs | Writing GUI applications using the drag-and-‎drop facilities.‎ | c1, c2 | c2, c3 | a9, b1, b4 |
| Web programmers wishing to apply this new language in thin-client server-side applications | Writing and deploying components in an ASP.NET Web application. | d2 | d2 | b3 |
| Enterprise developers who plan to use C# in broadly distributed database applications | Create member functions using C# syntax and exception handling. | b4, b5 | b2, b3 | a6 |

Visual Programming

CSI311-Z