

Annexure – I

Course Curriculum

CSW101: Advanced Diploma in .Net Technologies

Module Duration: 420 Hours

Objective

Participants will learn to develop applications using C# and VB.NET. They will also learn to apply these languages to develop server-side applications which make use of ADO.NET, ASP.NET, Web Services etc

Course Description

Sl No.	Course Modules	Hours
1	C#.NET	105
2	VB.NET	70
3	ASP.NET	105
4	Project Work	140

C# .Net

Getting Started with .Net Framework, Exploring Visual Studio .NET, Inside a C# Program, Data Types, Statements, Arrays, Using Strings, Objects, Classes and Structs, Properties, Inheritance, Indexers, Delegates, Events, Namespaces, Generics, Collections and Data Structures, Exception Handling, Threading, Using Streams and Files, Reflection, Assemblies, versioning, Windows Forms, Controls, Data binding to Controls, Advanced Database Programming using ADO.net, Using GDI +, Networking, Manipulating XML.

VB.Net

Creating Applications with Visual Basic.NET, Variables, Constants, and Calculations, Making Decisions and Working with Strings, Lists, Loops, Validation, Sub Procedures and Functions, Multiple Forms, Standard Modules, and Menus, Arrays, Timers, Form Controls, Windows Presentation Foundation Controls, Working with Databases, Advanced Database Programming using ADO.net, Custom Controls, Packaging & deployment, Using Crystal Reports.

ASP.Net

Building a Web Application, Examples Using Standard Controls, Validating Form Input Controls using Validation Controls, Understanding Applications and State, Applying Styles, Themes, and Skins, Creating a Layout Using Master Pages, Binding to Databases using Controls, Data Management with ADO.net , Creating a Site Navigation Hierarchy, Navigation Controls, Login Controls, Securing Applications, Working with XML, Using Crystal Reports in Web Forms, AJAX, LINQ,ASP.Net MVC.

Project

Students are required to develop a .Net application under the guidance of the faculty. Students can also take up relevant projects from the industry.