

CAP901:PROGRAMMING IN ASP.NET

L:0 T:0 P:4 Credits:3

Course Outcomes: Through this course students should be able to

- review the basics of the web technology
- apply the designing techniques and concept of .NET Framework
- apply the database concept for developing web site
- use design of the website dynamically by interacting with database

List of Practicals / Experiments:

Introducing ASP.Net

- The Seven Pillars of ASP Dot Net
- Introducing Visual Studio
- Visual Studio IDE

Programming with ASP.NET

- Introduction to Programming
- Data Types - The Scope and Lifetime of variables
- Type Conversion and Casting
- Operators
- Program Control Statements - if and switch Statements
- for, while, do-while and for each loop
- Using break, continue and goto statements

HTML

- Basic fundamental of HTML
- Basic Tags
- An Introduction to CSS
- Types of CSS and its working

Creating Consistent Looking Websites

- Themes
- Master Pages

Working with ASP .NET Server Controls

- Server Controls
- Input Validation Controls

Introducing Databases

- Fundamental of Database
- Retrieving and Manipulating Data with SQL
- Read data: filtering data, ordering data, join data
- creating data
- updating data
- deleting data
- Display data: Grid view

Overview of Data Access

- Connection Class
- the Command and Data Adapter Classes

- Data Reader Classes
- Data Providers

State Management

- View State
- Cookies
- Session State

Building ASP.Net Websites

- Basic User Controls
- Adding Code to a User Control
- Dynamic User Control

Text Books:

1. BEGINNING ASP.NET 4.5.1 IN C# AND VB by IMAR SPAANJAARS, WILEY

References:

1. PRO ASP.NET 4.5 IN C# by ADAM FREEMAN, MATTHEW MACDONALD AND MARIO SZPUSZTA, APRESS