ASP.NET

Learning outcomes:

At the end of the course the participant will
• Create a Web form with server controls.
• Separate page code from content by using code-behind pages, page controls, and components.
• Display dynamic data from a data source by using Microsoft ADO.NET and data binding.
• Debug ASP.NET pages by using trace.

Course Contents:

- Working with Microsoft ASP.NET
- The Visual Basic Language Essentials
  - Introducing ASP.NET
  - Creating Web Forms
  - Adding ASP.NET Code to a Page
  - Handling Page Events
  - Discussion: ASP vs. ASP.Net
- Using Web Controls
  - What are Web Controls
  - Using Intrinsic Controls
  - Using Input Validation Controls
  - Selecting Controls for Applications

- Using Microsoft ADO.NET to Access Data
  - Overview of ADO.NET
  - Connecting to a Data Source
  - Accessing Data with DateSets
  - Using Stored Procedures
  - Accessing Data with DataReaders
  - Binding to Extensible Markup Language(XML) Data
- Using Trace in Microsoft ASP.NET Pages
  - Overview of Tracing
  - Trace Information
  - Page-Level Trace
  - Application-Level Trace
- Creating a Microsoft ASP.NET Web Application
  - Requirements of a Web Application
  - What is New in ASP.NET
- Sharing Information Between Pages
- Securing an ASP.NET Application

- New Features of ASP.NET
  - Application-wide registration of custom controls.
  - Programmable Configuration.
  - Web Part controls.
  - Posting to other pages
  - SQL Cache Dependency
  - Master Pages.
  - Visual Studio .NET project model
  - Declarative Data binding.