ASP.NET Course Outline

.NET 2008 - Web Applications

(60 Training Hours)

Introduction to Microsoft .NET (1 Hour)
- Introducing ASP.NET and the .NET Framework (0.5 Hour)
- Introduction to the Visual Studio .NET IDE (0.5 Hour)

C# Programming (14 Hours)
- Overview of C# Language (0.5 Hour)
- Using Different Data Types (0.5 hour)
- Control Structures and Exceptions (2 Hours)
- Methods (2 Hours)
- Arrays (1.5 Hours)
- Data Structures and Collections (1.5 Hours)
- Object-Oriented Programming (6 Hours)

Web Application Development with Visual Studio 2008 (45 Hours)

Core Concepts (19 Hours)
- Introducing Web Forms (1 Hour)
- Adding and Configuring Server Controls (3 Hours)
- Input Validation and Site Navigation (1.5 Hours)
- ASP.NET State Management (1.5 Hours)
- Master Pages & Themes (1.5 Hours)
- Web Parts (1.5 Hours)
- Maintaining Security (3 Hours)
- Web Services (3 Hours)
- Crystal Reports (1.5 Hours)
- Deploying ASP.NET Web Sites (1.5 Hours)

SQL Server 2005 Database (5 Hours)
- Creating Databases and Database Files (1 Hour)
Creating Data Types and Tables (1 Hour)
Implementing Constraints (1 Hour)
Implementing Stored Procedures (2 Hours)

Data Access - Using ADO.NET and XML (15 Hours)
- ADO.NET Disconnected Classes (8 Hours)
- ADO.NET Connected Classes (3.5 Hours)
- Working with Extensible Markup Language Data "XML" (3.5 Hours)

Introduction to Advanced Concepts (6 Hours)
- ASP.NET AJAX (1 Hour)
- Silverlight (1 Hour)
- Language Integrated Query "LINQ" (1 Hour)
- ASP.NET Model–View–Controller "MVC" (1 Hour)
- Creating ASP.NET Mobile Web Applications (1 Hour)
- Using Caching to Improve Performance (1 Hour)