AIT 503   DEVELOPING WEB APPLICATION USING ASP.NET   4(2+2)

Objective:
The primary objective of this course is to provide introduction to basic and advance concepts related to web development and ASP.Net.

Theory:
UNIT I
Overview of ASP.NET Architecture; using standard, validation & data controls, Web.Config, Global.asax

UNIT II
Use of viewstate, maintaining session at various places, application and Caching Techniques Using Report control and generating different types of reports, using SQL Report service.

UNIT III
ASP.NET Profile Features - Introduction to ASP.NET's Profile Features - Create Profile Schema in Web.config - Work With ASP.NET's Profile Object Programmatically - Manage Anonymous Users and Their Profiles - Build and Use a Custom Profile Provider.

UNIT IV
Creating and Consuming Web Services, Create distributed apps with Web Services. Introduction to webparts

UNIT V
New trends and updates as per industry requirement

Practical:
1. Practice of Standard Controls
2. Practice of Validation Controls, Navigation Controls
3. Practice of Data Access Controls
4. Importance and use of web.config file.
5. Understanding & Practice of Viewstate, Session, Application & global.asax file
6. Configure Output Caching, Expiration Policies & SQL Notifications for Cache Expiration.
7. Creating Reports using simple techniques.
8. Creating reports in MS SQL Server report service and its use in web application.
9. Using ASP.NET Profile Features
10. Creating and Consuming Web Services
11. Create distributed apps with Web Services.
12. Practical based on new updates from Microsoft.

Reference books:
1. ASP.NET UNLEASHED – BY Stephen Walther, Kevin Hoffman , Nate Dudek **SAMS**
2. Beginning_ASP.NET $# in C# and VB – By Imar Spaanjaars **Wrox**
3. Beginning ASP.NET $# in C# 2010 – By Matthew MacDonald **Apres**
4. N.B. $# indicates latest version number of ASP.NET