ASP.NET

INTRO TO WEB TECHNOLOGIES

ü  HTML

ü  Client side scripting language (java script)

iii. CSS and SCSS (Styles)

ü  llS Architecture

ASP.NET INTRODUCTION

ü  What is ASP.NET

ü  Image Technique and code behind technique\

Web Forms Architecture

Page Class

Web Forms Life Cycle

Web Forms Event Model

Code-Behind

ASP.NET and HTTP

Request/Response Programming

HttpRequest Class

HTTP Collections

HttpResponse Class

Redirection

HttpUtility Class

SERVER SIDE CONTROLS

ü  Type of server controls

ü  Examples on Web server controls

ü  Validation Controls

ü  ASP.NET Page Execution Architecture

Working with Web Forms Controls and C#

1. Introduction to Web Forms Controls
2. Simple Input Controls
3. HyperLinks
4. Button Controls
5. List Controls

Validating User Input with C#

1. Overview of ASP.NET Validation Controls
2. Client-Side Validation
3. Server-Side Validation
4. Required Field Validator
5. Summarizing Results with the ValidationSummary Control

Managing Data with ADO.NET DataSets and C#

1. The Role of DataSets in ADO.NET
2. Using DataSets in ASP.NET
3. Saving DataSets in Session State
4. Using DataTable Constraints
5. DataSet DataRelations
6. Using DataSets with DataAdapters to Modify Data

THEME AND SKIN STATE MANAGEMENT

ü  Cookies

ü  Session State

ü  Session Tracking Arch

ü  Application object

ü  Session and App events

ü  Global. AJAX

ü  Viewstate

ADO.NET

ü  Intro to ADO.NET Providers

ü  Data Reader

ü  Dataset

ü  Datalist

ü  Repeater

ü  Datasource Controls

ü  Gride view

ü  Details view

ü  List view

LINQ CACHING

ü  Importance of Caching-

ü  ASP 4.5 Support for Caching

ü  Type of Caching in ASP.NET

ü  Output Caching

ü  Web user control(VS) custom control

ü  Fragment caching

ü  Data caching vs Application object

ASP.NET CONFIGURATION

ü  Machine config vs Web config

ü  App Settings

ü  Compilation setting

ü  Custom error setting

ü  Session State Setting

ü  Enhancement in ASP.NET

ü  Inprocess VS out process session state

ü  State server and SQL Server

ü  Cookie less session

ASP.NET TRACING

ü  Page Level

ü  Application Level

E-mail Server SECURITY IN ASP.NET

ü  Authentication & Authorization

ü  Windows Based Authentication

ü  Form Based Authentication

ü  Passport Authentication

ü  Membership

XML WEB SERVICES

ü  Intro to Web Services

ü  Role of WSDL .NET support for XML Web Service

ü  Client Apps for Web Service

ü  Caching Web Service

ü  SOAP

ü  UDDI Registry

WCF MASTER PAGES SITE NAVIGATION WEB PARTS

ü  Web part manager

ü  Zone Types

STATE MANAGEMENT WITH ASP.NET

* Context
* View State
* Cookie State
* Session State
* Session Tracking
* Application Object
* Session and Application Events

CACHING

* Introduction to Caching
* Types of Caching
* Page Caching
* Diff. between Webuser Controls & Custom Controls
* Page fragmentation Caching
* Data Caching
* Data Caching – Application Object

TRACING

* Page Level
* Application Level

SECURITY

* Authentication & Authorization
* Windows Authentications
* Forms Authentications
* Passport Authentications
* Memberships

Caching in ASP.NET

What Is Caching

Page-Level Caching

Page Fragment Caching

Optimizing Your ASP.NET Application

Application Caching

ASP.NET Configuration and Security Fundamentals

Configuration Overview

Authentication and Authorization

Forms Authentication

Windows Authentication

Security and ASP.NET

Debugging, Diagnostics and Error Handling

Debugging

Application Tracing

Page Tracing