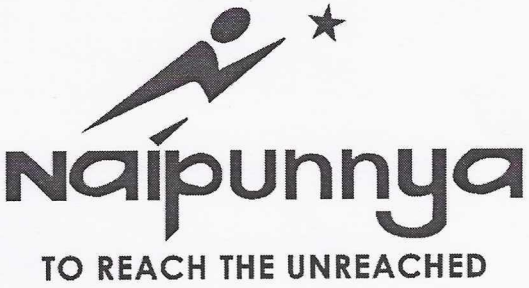
Naipunnya School of Management
Cherthala



Department of Computer Science and Applications

ADD-CSA-04: Certificate in ASP.Net Web Programming

FR. BAIJU GEORGE
PRINCIPAL
NAIPUNNYA SCHOOL OF MANAGEMENT

Head of the Department
Dept of Computer Science and Applications
NAIPUNNYA SCHOOL OF MANAGEMENT
CHERTHALA

Aim

- The goal of this course is to introduce the students to the basics of distributed application development.

Course Objective

- Introduction to Networking and the world wide web.
- Building multi-tier enterprise applications.
- Introduction to the .NET framework.
- .NET Interoperation services.
- Client-side programming: HTTP, CGI, Cookies, JavaScript, HTML, XML.
- Server-side programming: Web Forms, ASP.NET Web Services, ADO.NET Data Access
- Client/Server Programming, 3-tier architecture.
- .NET Remoting.

Syllabus

Module1: An Introduction to ASP.NET web programming, an introduction to web programming, Web Forms, An introduction to ASP.NET application development, Working with visual Studio 2010 IDE, Features of New Web Development Environment

Module 2: ASP.Net Web Page Code Model, Directive, Basic Event Handling in Web Pages, Request Object, Response Object, Server Object

Module 3: Introduction to Web Server Controls, Basic Web Server Controls, Selection Web Server Controls, Other Controls, how to work with button controls, text boxes, labels, check boxes, radio button, list controls, and other web server controls like image, hyperlink, file upload, and calendar controls. Navigation Web Controls, Image map Control and Hotspot Classes, Advanced Web Server Controls, HTML Server Controls

Module 4: Introduction to validation controls, basic validation controls, validation techniques and advanced validation controls. How to manage state, how to use view state, session state and application state. How to use cookies.

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Module 5: Configuring ASP.Net Applications with IIS, Introduction to relational database, how to use SQL to work with data in database. Introduction to ADO.NET 4. How to use SQL data source, how to use custom statements and stored procedures, Data list controls, Data binding, advanced features of a SQL data source.

Course Outcome

- To understand basic information about the features of visual studio tools
- To learn working of ASP.NET Web Application
- To get an idea about how to handle data base in ASP.NET Programming
- Exposure to SSL with GUI

References

1. Pro ASP.NET 3.5 in C# 2008 (Windows.net) 5th Edition by Matthew MacDonald and Mario Szpuszt
2. ASP.NET MVC Framework by Steven Sanderson
3. ASP.NET MVC in Action: With MvcContrib, NHibernate, and More 1st Edition by Jeffrey Palermo, Ben Scheirman, and Jimmy Bogard
4. Murach's ASP.NET Core MVC
5. ASP.NET Core in Action, 2nd Edition: Andrew Lock (Author)

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