

PAPER X: CLIENT SERVER COMPUTING AND WEB TECHNOLOGY

Credits: 4

Hours: 75

Objective: To give a brief knowledge on Client/Server computing and ASP.NET

UNIT - I

Introduction to Client/Server Computing – What is Client/Server Computing – Benefits of Client/Server Computing – Evolution of C/S Computing – Hardware Trends – Software Trends- Categories of Client/Server computing.

UNIT - II

The Server: Categories of Servers – Features of Server Machines – Classes of Server Machines – Server Environment: N/W Management Environment – N/W Computing Environment – Extensions – Network Operating System.

UNIT - III

Server Operating System: OS/2 – Windows New Technology – Unix Based OS. Client server and internet: Web Client Server, 3-Tier Client Server web style, CGI, Server Side of web, CGI and State, SQL database servers, Middleware and federated databases, data warehouses, GroupWare Server.

UNIT - IV

ASP.NET Language Structure – Page Structure – Page event, Properties & Compiler Directives. HTML server controls – Anchor, Tables, Forms. Basic Web server Controls – Label, Text box, Button, Image Links, Check & radio Button, Hyperlink, Data List Web Server Controls – Check box list, Radio button list, Drop down list, List box, Data grid.

UNIT - V

Request and Response Objects, Cookies, Working with Data – OLEDB connection class, command class, transaction class, data adaptor class, data set class Working with IIS and page Directives, Error handling. Security – Authentication, IP Address, Secure by SSL & Client Certificates

TEXT BOOKS

1. Patrick Smith & Steave Guengerich, “Client/Server Computing”. PHI
2. Dawna Travis Devire, “Client/Server Computing”. Tata Mc-Graw Hill Education Pvt. Ltd., New Delhi, 2003
3. Greg Buczek–ASP.NET Developers Guide– Tata McGraw–Hill Edition.

REFERENCE BOOKS

1. Robert Orfali, Dan Harkey & Jeri Edwards, "Essential Client/Server Survival Guide", second edition, John Wiley & Sons, Singapore, 2003.
2. Hersh Bhasin–Microsoft ASP.NET Professional Projects, Prentice Hall of India Pvt .Ltd.

WEBSITES:

1. [http:// www.w3schools.com/aspnet/default-asp](http://www.w3schools.com/aspnet/default-asp)
2. <http://www.learnvisualstudio.net>