SUBJECT CODE : P8MBA3ED2

ELECTIVE COURSE – II : INTERNET TECHNOLOGIES

UNIT I Introduction & Web Design

Internet Communication Technologies – Networking Architecture – Protocols – Value Added Networks – Virtual Private Networks. Introduction to Web Technologies – Evolving Trends – Content Design – Graphics and Animation using Adobe Photoshop, Dream Weaver, Flash Player, Shockwave – HTML Fundamentals.

UNIT II Client Application Development

Java Script: Variables –Literal Arrays – Expressions and Operators – Control Statements – Functions – Event Handling – Working with Layers – Controlling Page Appearance using Style Sheets – Providing Security with object Assigning. VB Script : Variables – Data types – Operators – Control Flow – Error Handling –Event Programming, Procedures – Forms – Controls – Active X objects.

UNIT III Web Architecture and Web Servers

Overview of components – Tuning and Load balancing – Network Architecture – Architecture Security, E-commerce architecture models – MS Internet Information Server – Distributed Internet Architecture –Microsoft Transaction Server – Visual Age of Java –Net Objects fusion – Web sphere Web logic – Net Commerce – Netscape Application Server – Cold Fusion – Silver Stream – Vignette Story Server – Broad Vision one – to – one Enterprise.

UNIT IV Security

Need for Computer Security – Protecting resources – Types of risks – Security Strategies, Mechanisms for Internet Security - Security Tools, Enterprise Level Security, Eneryption, PKI (public key infrastructure), Fire Walls, Digital Certificate (X.509), Digital certificate servers (entrust, netscape, verisign, oracle), Secure Socket Layer, LDAP (light weight directory access protocol).

UNIT V Advanced Concepts

Dynamic HTML – Extended Markup Language – Wireless Markup Language – Virtual Reality Modeling Language – Wireless Application Protocol – Voice Over Internet Protocol – Component Object Model – Common Object Request Broker Architecture – Java Beans – Enterprise Java Beans.

Text Books:

1. Uyless, D.Black, “Advanced Internet Technologies”, Prentice Hall, New York.
2. Peter Varhol, “Evaluating Server Technologies for Internet & Intranet Applications”.
3. Bob Emmerson, David Greetham, “Computer Telephony & Wireless Technologies: Future directions in Communication.