

CORE COURSE -VI - WEB TECHNOLOGIES

Objective: *To teach students about various software protocols that are necessary to network computers and how they are layered one over the other to provide application level distributed connectivity (popularly known as web technology).*

UNIT-I

OSI Model – Internetworking concepts – IP, ARP, RARP, ICMP, TCP, UDP protocols and their internal details.

UNIT-II

DNS, SMTP/Email, FTP, TFTP, WWW, HTTP, TELNET protocols and their details – Introduction to electronic commerce.

UNIT-III

Introduction to Web technology – Dynamic web pages – Active web pages.

UNIT-IV

User sessions in E-commerce – Electronic commerce Transaction Management – Electronic commerce Security issues – Online payment processing mechanisms.

UNIT-V

Middleware and Component technology for E-commerce – Electronic data interchange – Case study : Online shopping with ASP – Overview of .NET technology.

TEXT BOOK:

1. **Godbole Achyut S. , Kahate, Atul,** Web technologies, Tata McGrawHill, 2003 (ISBN 0-07-047298-x) [**Unit-1** :(Chapters 1,2,3,4); **Unit-2** : (Chapters 5,6,7); **Unit-3** (Chapters 8,9,10); **Unit-4** (Chapters 11,12,13,14) ; **Unit-5** (Chapters 15,16,Appendix-A,B)]