INTERNET TECHNOLOGY (DCA-104)

OUTLINE OF COURSE:
1. Introduction to Internet
2. Services on Internet
3. Electronic Mail
4. Current Trends on Internet
5. Internet Security Management Concepts

DETAILED SYLLABUS:

1. INTRODUCTION TO INTERNET: (8 MARKS)

What is Internet
Growth and Owners of the Internet
Anatomy of Internet
History of World Wide Web
Basic Internet Terminologies
Netiquette, Internet Applications
Commerce on the Internet
Governance on the Internet
Impact of Internet on Society
Crime on/through the Internet
(Cyber Crime, Reasons for Cyber Crime Mode and Manner of Committing Cyber Crime
Prevention of Cyber Crime).

2. SERVICES ON INTERNET: (8 MARKS)

E-mail
what is World Wide Web
Telnet
FTP
what is Usenet
Search Engines.

3. ELECTRONIC MAIL: (8 MARKS)

E-mail Networks and Servers
E-mail Protocols
Structure of an E-mail
E-mail Contents and Encoding
E-mail Routing
E-mail Clients
E-mail Encryption
Address Book
Signature File.

4. CURRENT TRENDS ON INTERNET: (8 MARKS)

Languages (Java, ActiveX, JavaScript)
Internet Phone
Internet Video (Video Conference on the Internet)
E-Commerce
Collaborative Computing.

5. INTERNET SECURITY MANAGEMENT CONCEPTS: (8 MARKS)

Overview of the Internet Security Threats
Firewalls, Internet Security Management Concepts
Information Privacy
Copyright Issues
Basics of Asymmetric Cryptosystems.

PRACTICALS: (40 - Marks)

1. Opening a New E-mail Account in Gmail
2. Sending a New E-mail Message
3. Reply Your E-mail Message
4. Attach Picture in Your E-mail and Send it to Your Friend
5. Attach Word Document in Your E-mail and Send it to Your Friend
6. Google Search Engine
7. Open a New Facebook Account
8. Downloading Picture, Documents, Music, Software
9. Watching and Downloading Music Video from YouTube
10. Online Shopping
11. Online Chat Using Gmail and Facebook

TEXT BOOK:

INTERNET TECHNOLOGY AND WEB DESIGN - Satish Jain, Shashank Jain, Shashi Singh, and M. Geetha Iyer. First Edition 2010, Second Revised Updated Edition 2012. Reprinted 2013. BPB Publications.

FURTHER READINGS:

1. Simplified Internet the Easiest Way to Learn – BPB Editorial Board, First Edition 2002, BPB Publications.
2. Internet : The Complete Reference – Margaret Levine Young, Second Edition, Seventh Reprint 2002, Tata McGraw Hill.
3. ComputersAhead CBSE Class X, Rajiv Mathur, Orient BlackSwan.
4. Internet Training Guide - Satish Jain, BPB Publications.
5. Internet and Web Page Design – P.D. Murarka, BPB Publications.