Course no: CSC-356 ---------- **Full Marks: 60+20+20**
Credit hours: 3 ----------**Pass Marks: 24+8+8**
Nature of course: Theory (3 Hrs.)
Course Synopsis: Discussion on types of commerce, doing business in electronics, infrastructure of electronic commerce.
Goal: This course introduces basic concept of commerce and discusses the basic needs of electronic commerce.

Course Contents:

Unit 1: ---------- 14 Hrs.
1.1 Introduction to Electronic Commerce: Introduction of commerce, Electronic commerce framework, electronic commerce and media convergence, the anatomy of e-commerce application.
1.2 The Network for Electronic Commerce: Need of network, market forces influencing the I-way, components of I-way, network access equipment, and global information distribution network.
1.3 The Internet as a Network Infrastructure: Introduction, the Internet terminology, NSFNET: Architecture and Components, Internet governance: The Internet Society.

Unit 2: ---------- 23 Hrs.
2.1 Network Security & Firewalls: Client-Server network security, security threats in client-server, firewalls and network security, data & message security, encrypted documents and electronic mail.
2.2 Electronic Commerce & World Wide Web: Introduction, architectural framework for electronic commerce, WWW as an architecture, security in the web.
2.3 Consumer Oriented Electronic Commerce: Introduction, consumer oriented application, mercantile process models, mercantile models from the consumer's perspective, mercantile models from the merchant's perspective.
2.4 Electronic Payment Systems: Introduction, types of electronic payment system, digital token based electronic payment systems, smart cards and electronic payment systems, credit cards systems, Threat on electronic payment system.

Unit 3:---------- 8 Hrs.
3.1 Inter-organizational Commerce & Electronic Data Interchange: Introduction, EDI application in business, EDI: legal, security, and privacy issues, EDI and electronic commerce.

3.2 The Corporate Digital Library: Introduction, dimensions of electronic commerce systems, types of digital documents, Issues behind document infrastructure, corporate data warehouses.

Laboratory works: Developing the small electronic payment system.

Text Books: Frontiers of Electronic Commerce, 5th Edition, Kalkotia and Whinston, Pearson Education Asia