

**DISCIPLINE SPECIFIC CORE (DSC)**  
**SUBJECT: E-COMMERCE – PAPER – I**  
**TITLE: PROGRAMMING AND E-COMMERCE BASICS**  
**Class Duration: 16 Weeks with 5 Hours a week = 80Hrs**  
**Marks: Theory 70 + Internal Assessment 30 = 100**

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**Objective:** To give an over view of e-commerce, its application and uses in today's business world

**Teaching Methods:** Practical classes in the lab and also few hours of class room lecture using ICT.

**Learning Outcome:** To enables the students to know the roadmap of e-commerce and also to make best use in everyday activities.

**Unit1; Introduction to E-Commerce** **16Hrs**

- 1.1 Overview, Electronic Commerce-Cutting edge, Electronic commerce framework , Evolution of E-commerce; Introduction, history of Electronic Commerce, Advantages and Disadvantages of E-Commerce.
- 1.2 Roadmap of E-commerce in India, Network infrastructure- Introduction , Network infrastructure an overview, The internet hierarchy , Basic blocks of E-commerce, Networks layers and TCP/IP protocols, The advantages of internet , World Wide Web

**Unit 2 ; E-Commerce Infrastructure** **16Hrs**

- 2.1 Introduction , E-commerce Infrastructure an overview , Hardware, Server Operating System , Software , Network Website.
- 2.2 Managing the E-Enterprise; Introduction, E-Enterprise, Managing the E-Enterprise , E-business, Enterprise, Comparison between Conventional Design and E-Organization , Organization of Business in an E-Enterprise .

**Unit 3 ; E-Commerce Process Models** **16Hrs**

- 3.1 Introduction, Business Models, E-business models based on the relationship of transaction parties, E-Commerce sales life cycle(ESCL) Model.
- 3.2 Case study of Banking sector , Travel sector , Business Sector including order processing- Supply chain and employee management-pay roll, tax

**Unit 4 ; Website Design Tools** **16Hrs**

- 4.1 Markup language, Scripting language , Style sheet

**Unit 5 ; Risks of Insecure Systems** **16Hrs**

- 5.1 Introduction – An overview of risks associated with internet transactions , Internet associated risks, Intranet associated risks , risks associated with business transaction data transferred between trading partners
- 5.2 Management of risk, Introduction to risk management, Disaster recovery plans, Risk Management Paradigm
- 5.3 Types of E-Payment system ; E-Cash and currency servers , E-cheques, credit cards, smart cards, electronic purses and debit cards.

**Topics for assignment to enhance the skill - to be written in a separate book**

1. Activities will be based on the syllabus which the concerned teacher will assign.
2. More of practical related activities

**Reference Books:**

The teacher concerned will decide the books relevant for this paper and the software required for practical classes.