

**JYOTI NIVAS COLLEGE AUTONOMOUS, BANGALORE**  
**PROGRAMME: B.C.A/BSC**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**SEMESTER: I - E-COMMERCE**

**NO OF CREDITS: 02**

**NO OF HOURS: 30**

**COURSE OUTCOMES (COS):**

1. Recognize the fundamental principles of E-Commerce
2. To provide knowledge and understanding about EDI and EPS practices
3. Distinguish the role of Management in the context of e-Business
  
4. To recognize risks and barriers in the adoption of e-Business

**UNIT – I**

**06 HRS**

Introduction, History, Types of E-commerce – inter organisational, intra organisational, customer to business, differences between E-Commerce systems and traditional systems, E-Commerce frameworks, Applications of E-commerce.

**UNIT – II**

**07 HRS**

**EDI-** Introduction and working of EDI, Components of EDI- EDI standards, EDI software, Communication of EDI messages

**EPS-** Introduction and types of Electronic payment systems

**UNIT –III**

**06 HRS**

**E-Commerce Software**

Introduction, Web hosting, Basic functions of ECS – Catalog display, Shopping cart, Transaction Processing, Middleware, Web Services – What Web Services Can Do, How Web Services Work, Integration with ERP Systems

**UNIT – IV**

**07 HRS**

**Network Security and Fire walls**

Introduction, Client Server network security, emerging client-server security threats, Firewalls and Network security – Firewalls in Practice, IP-Packet screening routers, Data and message security- data security, message security(three types), Encryption – Introduction, Digital Signatures.

**UNIT – V**

**04 HRS**

**Recent trends in E Commerce**

Electronic Wallets – paytm - paypal, cryptocurrency, online auctions, virtual communities, E-Marketing

**REFERENCE:**

1. Frontiers of Electronic Commerce: KalakotaWhinston Publisher: Pearson India : 1<sup>st</sup> edition (2008)
2. E Commerce Strategy, Technology & Implementation 12th Edition: Gary P Schnieder , Publisher: Cengage Learning (2017)
3. E Commerce The Cutting Edge of Business: Tata McGraw-Hill Publishing Company Limited, Kamlesh k Bajaj, Debjani Nag : 2nd edition (2005).