

### 5.5. COMPUTER APPLICATION - IV

Lecture per Week: 4 hours

Max Marks: 80 (End Sem.) + 20 (IA) = 100

Exam Duration: 3 Hours

**OBJECTIVES:**

1. To introduce the students to online business.
2. To train students to design webpage and window based application.

Units	Topics	No of periods
I	<b>E-Commerce:</b> Overview of E-commerce, Definition, E-Business, benefits of E-commerce, Impact of e-Commerce on Business models. E- Commerce applications- Market forces influencing highway- Global information distributed networks. Consumer oriented E-commerce applications, Electronic payment system, types of payment systems (Credit Card, E-cash, Smart Card-Digital payments.) Risks in e-Payments, designing e-Payments, E-business applications, Internet bookshops, Internet banking, online share dealing grocery supply, software support, electronic newspaper and virtual auctions.	10
II	<b>Concepts of Computer Networks:</b> Network Concepts, Categories of Network, LAN, WAN, MAN, Internet, Intranet and Extranet, Seven Layers of the OSI Reference Model, Business through Internet.	10
III	<b>HTML:</b> Introduction, HTML editors, HTML Document Structure. HTML tags, Formatting Text in HTML, FONT and other tags. Paragraph tags, Adding graphics to web pages, Adding links to web pages, external and internal links. Using tables in HTML documents, adding list to web pages. Adding frames to web pages, HTML forms, Marquee tag, Image maps, SGML. Creating web page using web page wizard.	10
IV	<b>Visual Basic .net:</b> Introduction to Visual Basic.net, VB.net Environment, Menu Bar, Tool Box, Properties Box, Tool Bar, Project Box, Screen Box, Customizing the Environment, Inserting Dialog Box, Label, Combo, Picture, Frames, Scroll Bar and Sliders. Working with Forms, Changing the properties of the Form, Multiple Forms, Designing Menus, Hierarchy, Expressions, I/O Operations, Branching, Looping.	10
V	<b>Electronic Data Interchange (EDI) and Electronic Payment System :</b> Introduction, Advantage and Disadvantage of EDI and Electronic Payment Systems, Supply Chain Management, Business Process Re-engineering commerce providers legal issues and Securities, Money Credit Cards ,Transactions and Validation, Digital Certification Authentication.	10
	<p><b>LAB WORK</b>  <b>PRACTICALS</b>                      Creating simple static web site using HTML and Microsoft front page editor.                      Practical's based on Visual Basic .net.                      Note: Journal preparation mandatory.                      Case study question from VB.net.</p>	

**SUGGESTED BOOKS/WEBSITES:**

1. E- commerce – A Managerial Perspective: michael change, et al.
2. E- Commerce- Dr Shivani Arora
3. E- Commerce: an Indian perspective: Joseph.
4. E- Commerce- David Whitely- McGraw Hill.
5. [www.Internet.com](http://www.Internet.com)
6. [www.livinginternet.com](http://www.livinginternet.com)
7. [www.visualbasicbooks.com](http://www.visualbasicbooks.com)