

Department of Information Technology

LESSON PLAN

Subject: E-COMMERCE

Subject code: OE-IT-306A

Session: 2022-23

Semester: VI

SNo	Topic	No. of Lectures required	CO Covered	Teaching Methodology
1	Unit-1 E-commerce Introduction, Basic Concepts	1	CO1	
2	Definition of Electronic Commerce, E-Commerce: technology and prospects	1		
3	Incentives for engaging in electronic commerce	1		
4	Needs of E-Commerce, Advantages and Disadvantages	1		
5	Framework of E-Commerce	2		
6	Classification of E-Commerce	2		
7	Impact of E-Commerce on Business	1		
8	E-Commerce Models	2		
9	Unit 2 Network Infrastructure for E-Commerce	1	CO2	
10	Internet and Intranet based E-commerce	1		
11	EDI and their issues	1		
12	Intranet, LAN, MAN, WAN	1		
13	Network protocols, The Internet Hierarchy,	1		
14	Basic Blocks of e-commerce,	1		
15	Networks layers & TCP/IP protocols,	1		
16	The Advantages of Internet,	1		
17	World Wide Web	1		
18	Unit 3 Web Security	1	CO3	
19	Security Issues on web	1		
20	Importance of Firewall, components of Firewall	1		
21	Types of attack, Network Security	1		
22	Encryption techniques: Symmetric Encryption: Keys and data encryption standard	1		
23	Digital Signatures, Virtual Private Network	1		
24	Unit 4 Electronic Payments	1	CO4	
25	Overview, The SET protocol	1		
26	Payment Gateway	1		
27	SEPP, Architecture of SEPP	1		

28	Online Banking- Commerce Law	1		
29	Electronic Cash, Smart Cards and Electronic Payment Systems	1		
30	Credit Card Based Electronic Payment Systems	1		
31	Risks and Electronic Payment Systems.	1		