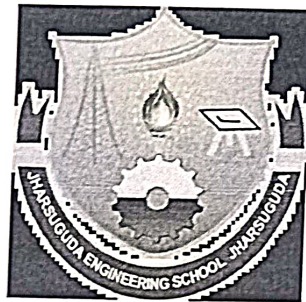


INFORMATION TECHNOLOGY DEPARTMENT



LESSON PLAN

SUBJECT: E-Commerce

BRANCH: 6th Sem

FACULTY NAME: Barsha Rani Patel

INFORMATION TECHNOLOGY DEPARTMENT

Department of Information Technology

Vision:

To focus on development of skilled and confident personalities of today and tomorrow by using cutting edge technology in the department of Information Technology to accept need based challenges with a sense of social responsibilities.

Mission:

- M1: To impart quality education by implementing state-of- the- art teaching-learning methods to enrich the academic competency, credibility and integrity of the students.
- M2: To implement the educational program in our department from fundamental engineering to recent technology as per emerging trends in the field of Information Technology.
- M3: To facilitate a conducive ambience and infrastructure to develop professional skills and nurture innovation in students.
- M4: To inculcate sensitivity towards society, respect for environment and promote high standards of ethics.

INFORMATION TECHNOLOGY DEPARTMENT

LESSON PLAN

JHARSUGUDA ENGINEERING SCHOOL, JHARSUGUDA

Name of the Faculty: Mrs. Barsha Rani Patel

Academic Year: 2025-26

Course No.: Th.4 ©

Course Name: E-Commerce

Program: Diploma

Branch: Information Technology

Semester: 6th

Sl. No.	Period /Class	Time (min)	Unit	Topic to be covered	Teaching method
1.	1.	60	1	Introduction to E-commerce	Chalk & talk + NPTEL VIDEO
2.	2.	60	1	What is E-commerce	Chalk & talk + NPTEL VIDEO
3.	3.	60	1	E-Business	Chalk & talk + Real life example
4.	4.	60	1	Categories of E-Commerce Applications	Chalk & talk + NPTEL VIDEO
5.	5.	60	1	Global Trading Environment & Adoption of E-commerce	Chalk & talk
6.	6.	60	1	Comparison Between Traditional and E-commerce	Chalk & talk +
7.	7.	60	1	Advantage and Disadvantage	Chalk & talk + Real life example
8.	8.	60	1	Revision Chapter-1	Questioner + Revision + Doubt clear
9.	9.	60	2	Business Model of E-Commerce	Chalk & talk
10.	10.	60	2	B2C, B2B	Chalk & talk +
11.	11.	60	2	Difference between B2C, B2C and C2C	Chalk & talk + NPTEL VIDEO
12.	12.	60	2	Revision Chapter-2	Questioner + Revision + Doubt clear
13.	13.	60	3	B2B e-Commerce and EDI	Chalk & talk + Real life example
14.	14.	60	3	Need for B2B	Chalk & talk
15.	15.	60	3	EDI Standards	Chalk & talk Real life example
16.	16.	60	3	Paperless Transaction	Chalk & talk Real life example
17.	17.	60	3	Data Standards use in EDI & Cost of EDI	Chalk & talk + NPTEL VIDEO
18.	18.	60	3	Reasons for Slow acceptability	Chalk & talk +

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Sl. No.	Period /Class	Time (min)	Unit	Topic to be covered	Teaching method
19.	19.	60	3	Electronic Fund Transfer	Chalk&talk
20.	20.		3	XML and its Application	Chalk&talk NPTEL VIDEO
21.	21.	60	3	Comparison of HTML and XML	Chalk&talk
22.	22.	60	3	Advantage of XML as a Technology	Chalk&talk
23.	23.	60	3	Revision Chapter-3	Questioner+ Revision+ Doubt clear
24.	24.	60	4	Business Application of E-Commerce	Chalk&talk
25.	25.	60	4	Trade Cycle, Supply Chain	Chalk&talk NPTEL VIDEO
26.	26.	60	4	E-Procurement & Implementing	Chalk&talk
27.	27.	60	4	Competitive Advantage	Chalk&talk
28.	28.	60	4	E-Commerce Application in Wholesale, Manufacturing & Retail	Chalk&talk
29.	29.	60	4	E-Commerce Application in Service Sector	Chalk&talk NPTEL VIDEO
30.	30.	60	4	Revision Chapter-4	Questioner+ Revision+ Doubt clear
31.	31.	60	5	E-Commerce in Technology	Chalk&talk
32.	32.	60	5	IT Infrastructure	Chalk&talk
33.	33.	60	5	Internet, Intranet, Extranet	Chalk&talk NPTEL VIDEO
34.	34.	60	5	Middleware	Chalk&talk+PPT
35.	35.	60	5	VPN, Firewall, Cryptography	Chalk&talk NPTEL VIDEO
36.	36.	60	5	Digital Signature, Envelope, Certificate	Chalk&talk
37.	37.	60	5	Revision Chapter-5	Questioner+ Revision+ Doubt clear
38.	38.	60	6	Electronic Payment System	Chalk&talk
39.	39.	60	6	Electronic Payment Mechanism	Chalk&
40.	40.	60	6	Type of Payment System	Chalk&talk+ NPTEL VIDEO
41.	41.	60	6	Risk Associated with Electronic Payment	Chalk&talk
42.	42.	60	6	Risk Management Option	Chalk&talk NPTEL VIDEO
43.	43.	60	6	Payment Gateway	Chalk&talk

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44.	44.	60	6	Issue of Electronic Payment Technology	Chalk&talk NPTEL VIDEO
45.	45	60	6	Recommendations	Chalk&talk+PPT
46	46	60	6	Internet Banking	Chalk&talk+NPTEL VIDEO
47	47	60	6	Security Requirement	NPTEL VIDEO+ Chalk&talk
48	48	60	6	Secure Socket Layer	Chalk&talk+PPT
49	49	60	6	Biometrics+ Revision Chapter-6	Questioner+ Revision+ Doubt clear
50	50	60	7	Security Issues in E-Commerce (Introduction)	Chalk&talk+NPTEL VIDEO
51	51	60	7	E-commerce security issues	Chalk&talk+ Real life example
52	52	60	7	Risks involved in e-commerce	Chalk&talk+PPT
53	53	60	7	Protecting e-commerce system	Chalk&talk+ Real life example
54	54	60	7	Common E-commerce Security Tools	Chalk&talk+NPTEL VIDEO
55	55	60	7	Client server Network security	Chalk&talk+ Real life example
56	56	60	7	Data and Message Security+ Revision Chapter-7	Questioner+ Revision
57	57	60	8	Current Trends in Electronic World	Chalk&talk+PPT
58	58	60	8	E-waste	Chalk&talk+ Real life example
59	59	60	8	E-Surveillance	Chalk&talk+NPTEL VIDEO
60	60	60	8	E-governance+ Revision Chapter-8	Questioner+ Revision+ Doubt clear

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44.	44.	60	6	Issue of Electronic Payment Technology	Chalk&talk NPTEL VIDEO
45.	45	60	6	Recommendations	Chalk&talk+PPT
46	46	60	6	Internet Banking	Chalk&talk+NPTEL VIDEO
47	47	60	6	Security Requirement	NPTEL VIDEO+ Chalk&talk
48	48	60	6	Secure Socket Layer	Chalk&talk+PPT
49	49	60	6	Biometrics+ Revision Chapter-6	Questioner+ Revision+ Doubt clear
50	50	60	7	Security Issues in E-Commerce (Introduction)	Chalk&talk+NPTEL VIDEO
51	51	60	7	E-commerce security issues	Chalk&talk+ Real life example
52	52	60	7	Risks involved in e-commerce	Chalk&talk+PPT
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56	56	60	7	Data and Message Security+ Revision Chapter-7	Questioner+ Revision
57	57	60	8	Current Trends in Electronic World	Chalk&talk+PPT
58	58	60	8	E-waste	Chalk&talk+ Real life example
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60	60	60	8	E-governance+ Revision Chapter-8	Questioner+ Revision+ Doubt clear

INFORMATION TECHNOLOGY DEPARTMENT

Books Recommended -:

1. **U. S. Pandey and S. Sukla**
E-commerce and Mobile Commerce Technology
Publisher: **S. Chand**
2. **A. K. Pandey**
Concepts of E-commerce
Publisher: **Katson**
3. **Bhushan Dewan**
E-commerce
Publisher: **S. Chand & Company Ltd**

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Faculty Signature

malwa
HOD Signature