

Subject Code: 2CS1010405	Subject Title: Electronic Commerce (E-Commerce)-II
Pre-requisite:	Basic knowledge of E-Commerce

Course Objective:

This course is intended to make the students aware of advanced E-Commerce technology. The objective of this subject is to get the students acquainted with the basic concept of e – payments and security. By this subject students will focus about the payment gateway and security in cyberspace, credit card frauds and Internet security using VPN and firewalls. They will learn about various technologies in e – commerce. More focus on about recent trends in e – commerce. They will also learn about Ethical issues in e-commerce.

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)								
Lecture	Tutorial	Practical	Credit	Theory				Practical				Total
				University Assessment		Continuous Assessment		University Assessment		Continuous Assessment		
				Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	
3	-	-	3	28	70	12	30	-	-	-	-	100

Subject Contents			
Sr. No.	Topics	Total Hours	Weight (%)
1.	Web structure of E-commerce, Mobile structure of E-commerce, E-commerce components: sign-up, login , catalogue , add to cart , shopping cart .	10	20
2.	E – Payments and Security: Overview of Credit card, Debit card, Smart Card (Electronic Credit Card), EFT, E–wallet, e-check and e-cash, Payment Gateway, Security in cyberspace–Kinds of threats and crimes, Credit Card Frauds and Internet security using VPN and firewalls.	10	20
3.	Cryptography Techniques : Introduction , Plain text , cipher text , encryption –decryption , substitution techniques , transposition techniques. Public and Private key.	10	20
4.	Recent Trends in E – Commerce: M–commerce – Introduction, growth and future, advantages and limitations, Introduction and management of e–enterprises, Ethical issues in e-commerce.	9	20
5.	Case studies with DFD – UML, Activity diagram for : Product base : Online selling of any product (mobile , laptop ... etc) Service base : Online ticket booking (bookmy show, ola, uber booking..etc) Payment Process : Pedagogy of Payment (Credit , debit , EMI , COD ..etc) Service with data analytics : comparison base e-commerce (trivago, policybazar.com, etc...)	9	20

Course Outcomes:

At the end of this course, the student would be able

- To understand E-Commerce components like signup, login , catalogue , add to cart , buy now.
- To understand EDI with data exchange and dashboard of buyer.
- To understand data encryption and decryption for authentication security for e-commerce.
- To understand about ethical issue for e-commerce and case study with presentation of various types.

Text & Reference Books:

1. Web Commerce Technology Hand Book by : Daniel Minoli, Emma Minoli
2. E-commerce by Bhadresh Patel, Bharat Publication
3. E-Commerce by Mamta Bhusry, Firewall Media
4. Cryptography & Network Security by Atul Kahate (Tata Mc Graw Hill)
5. E-Commerce: A managerial Perspectives, By. P.T. Joseph, Tata McGraw Hill

E-Resources/ Web Links:

- https://www.tutorialspoint.com/e_commerce/index.htm
- <https://www.hostinger.in/tutorials/what-is-ecommerce>
- <https://www.businessnewsdaily.com/4872-what-is-e-commerce.html>
- <https://www.youtube.com/watch?v=-7PljEN-Nlo&list=PLV8vIYTIdSnbh5dOzzOGYABSZLdguEbUG>
- https://www.youtube.com/watch?v=1Q3mdtFgK3Q&list=PLuDaS_qlKeXFRL7Aov4K_oZRSKslLqUdg