

**GONDWANA UNIVERSITY
GADCHIROLI**

FACULTY OF LAW

**MASTER OF CYBER LAW & INFORMATION
TECHNOLOGY**

(MCLIT)

**DETAILED SYLLABUS FOR
IIIrd SEMESTERS**

MASTER OF CYBER LAW AND INFORMATION TECHNOLOGY

Semester III

Paper: 3.1

PRINCIPLES OF E-COMMERCE

UNIT I

1. Fundamental of Electronic Commerce
2. Types of E-Commerce
3. E-Commerce and E-Governance
4. Benefits of E-Commerce
5. E-Governance Projects
6. E-Governance & IT Act

UNIT II

1. Electronic Agreement and Digital Signature
2. Internet and Extranet of Electronic Commerce
3. E-Commerce and Insecurity to Customer and Selling agents
4. Disadvantages of E-Commerce

UNIT III

1. Online Contract and E-Commerce
2. Electronic Data Interchange and its benefits
3. Essential Ingredients of the Indian Contract Act.
4. Damages for Breach of Contract
5. Insurance and Taxation regarding E-Commerce

UNIT IV

1. Elements of E-Commerce -
E-Visibility, E-Shops and Online Payments
2. Electronic Cheque -
FSTC's Electronic cheque
FSTC's BIPS Specification
3. Customer relationship and E-Commerce
4. Issues relating to -
 - a. Copyright
 - b. Patent
 - c. Licensing of Software
 - d. Defective Software - Product Liability

Suggested Readings :

1. Greenstein, Freeman, Electronic Commerce, Tata McGraw Hill.
2. Kamlesh K. Bajaj, Debjani Nag, Electronic Commerce- the Cutting Edge of Business, McGraw Hill.
3. David Whiteley, Electronic Commerce - Strategy, Technologies and Application, McGraw Hill.
4. CSV Murthy, E-Commerce, Himalaya Publishing House.
5. Simons & Simons, E-Commerce Law : Doing Business Online, Palladian Law Publishing.

John Bagby, E-Commerce : Issue of Business, Thompson

Paper:3.2

DIGITAL SIGNATURE

UNIT I

1. Overview of Cryptography
2. History of Cryptography and Cryptanalysis
3. Application of Cryptography
4. Encryption and Decryption of data
5. Plain Text and Cipher Text

UNIT II

1. Hash Function
2. Security Definition
3. Symmetric Cipher and their types
4. Asymmetric Ciphers

UNIT III

1. Public Key Infrastructure
 - a. Objectives of PKI
 - b. Public Key Authentication and Certification
 - c. Digital Evidence and Non-Repudiation - Main Issues
 - d. Public Key Infrastructure under IT Act and Regulations of Certifying Authorities.
2. Selected Cryptographic Tools
 - a. Identification Protocol
 - b. Challenge - response Protocol
 - c. Fiat - Shamir and Guillou-Quisquater Identification Protocol
 - d. Collective Coin Flipping
 - e. Secret Sharing
 - f. Cryptographic Vs. Information - Theoretic Security
 - g. Secure E-Voting Schemes

UNIT IV

1. Authorization of Digital Signature
2. Types of Cryptography
3. Legal recognition of Electronic Record and Digital Signature
4. E-Governance
5. Acknowledgement of receipt
6. Time and Place of dispatch and receipt of electronic record.

Total Marks : 100

Suggested Readings :

1. Vakul Sharma, Information Technology Law and Practice, Universal Law Publishing Co. Pvt. Limited, First Edition 2004.
2. S. K. Verma, Raman Mittal, Legal Dimensions of CyberSpace, Indian Law Institute, New Delhi 2004.

Paper:3.3

Seminar & Group Discussion

This is a Practical Paper for 100 marks. Students are required to prepare Seminar papers and give Seminars on **Two** topics allotted by the concerned teacher. Their performance will be evaluated by the Internal Examiner. The External Examiner conducted Group Discussion on **Two** Contemporary topics related to the cyber law and information technology.

The distribution of Marks is as follows:

1. Seminar- Internal Examiner : 50 marks
2. Group Discussion- External Examiner : 50 Marks