

# MADHYA PRADESH BHOJ (OPEN)UNIVERSITY BHOPAL

## PG Diploma in cyber law

### Syllabus:

#### *Paper-I Introduction of ICT and Fundamental of computers*

##### **Unit-I Introduction of ICT and computer system**

Evolution and growth of ICT.

Definition of Computer, legal aspects of computer, Computer system Characteristics and applications, History of Computer, Generation of Computer, Number System, Data & Information, LAN System.

**Basic components of a computer system** - Control unit, ALU, Input/output Devices and characteristics, memory: Primary Vs Secondary memory units, RAM, ROM.

##### **Unit-II Operating System**

**Operating system:** Characteristics and applications, Types, functions, Structure of Operating system. File Management- File, attributes of file, operations of file, file extension, File system. Access methods.

**DOS(DISK OPERATING SYSTEMS):** Introduction, Versions of DOS, DOS basics- Physical structure of disk, drive, FAT, file & directory structure and naming rules, booting process, DOS commands.

##### **Unit- III Software and Programming Concepts**

**Software:** Software and its Need, Types of Software-System software, Application software. Programming languages, Procedure Oriented Programming VS object oriented Programming, Assemblers, Compilers and Interpreter.

##### **Unit-IV Computer Networking and Internet**

HTML: Introduction, Design tools, HTML editors, Elements of HTML , various HTML tags, workbook &workpage.

**Overview of Internet:** Definitions, Evolution, Architecture, Applications, Protocols, Interface Concepts, Internet Vs Intranet, ISP, Connectivity - Dial-up, Leased line, VSAT etc., URLs, Domain names, Portals, WWW, Web Browser, power point presentation.

**Unit-V Data base Management System:** Introduction, File oriented approach and Database approach, Data Models, Architecture of Database System, DBA, Primary Key, Data definition language and Manipulation Languages, basic idea of steganography& cryptography.

##### **LIST of EXPERIMENTS**

01. Study and practice of Internal & External DOS commands.
02. Study and Practice to configure a computer system.
03. Installation of Windows.
04. Installation of software applications.
05. WAP to create a webpage in HTML.
06. Study and Practice of e-mailing, downloading, uploading on Internet.

##### **Reference Books:**

1. Fundamentals of Computers : E Balagurusamy, TMH
2. Fundamentals of Computers : V Rajaraman, PHI3
3. Information Technology Principles and Application: Ajoy Kumar Ray &TinkuAcharya PHI.
4. Data Base Management Systems, Korth, TMH
5. Internet for Everyone - Alexis Leon and Mathews Leon, Vikas Publishing House Pvt. Ltd., New Delhi

## ***Paper-II Regulation of Cyberspace and Introduction Cyber Law***

**Unit 1:** Introduction to Cyberspace, Architecture and Digital divide

**Unit 2:** Internet Governance: Issues and Challenges

**Unit 4:** Introduction to Cyber Law and Regulation of E-governance Overview of General Laws and Procedures in India

**Unit 4:** Jurisdiction issues in Cyberspace: Dispute resolution, Indian and International Approach

**Unit 5:** Data security and data protection: Emerging issues in data protection.

### **Reference Books:**

1. The Information Technology Act, 2000.
2. Information Technology Law and practices by Vakulsharma,
3. Computers, Internet and New Technology Laws (A comprehensive reference work with a special focus on developments in India)" By: Karnika Seth,
4. Cyber Law & Crimes By: BarkhaBhasin, Rama Mohan Ukkalam,
5. Law Relating to COMPUTERS, Internet and E-Commerce - A Guide to CYBER LAWS & the IT Act, with Rules, Regulations, Notifications & Case Law By NandanKamath (Ed.), Foreword by N.R.Madhava Menon.

## ***Paper 03 E-commerce***

### **Unit 1: Regulation of E-Commerce:**

Internet Ownership, Standards and Role of ISPs, Concept of E- Commerce, UNCITRAL Model Law, E-business models, Electronic data interchange.

### **Unit 2: Contract formation and licensing:**

E-Contract, role of IT Act on E-Contracts, Software Licensing Agreements- Shrink wrap, click Wrap, applications Digital Signatures.

### **Unit 3: Risk in E- Commerce and Consumer Protection:**

Technical and Legal Risk in e-commerce, evidentiary value of e-transactions

**Unit 4:** Privacy Protection in Online Commercial Environment and Legal Framework

**Unit 5:** Taxation of e-commerce

### **Reference Books:**

1. The Information Technology Act, 2000.
2. Law Relating to COMPUTERS, Internet and E-Commerce - A Guide to CYBER LAWS & the IT Act, with Rules, Regulations, Notifications & Case Law By NandanKamath (Ed.), Foreword by N.R.MadhavaMenon.
3. Information Technology Law and practices by Vakulsharma,
4. Computers, Internet and New Technology Laws (A comprehensive reference work with a special focus on developments in India)" By: Karnika Seth,
5. Cyber Law & Crimes By: BarkhaBhasin, Rama Mohan Ukkalam,

## ***Paper-04 Law Relating to Cyber crime and Electronic Evidence***

### **Unit 1: Introduction to Computer Wrongs:**

Cyber Crimes, types, Conventional Crimes through Computer, Cyber offences, Typology of Cybercrimes

### **Unit 2: Overview of the Information Technology Act and punishment for cyber crimes**

Cyber offences covered under the Information Technology Act, 2008, Cyber offences not Covered under IT Act, 2008, Authorities under the Act

**Unit 3: Cybercrime investigation:**

Issues relating to investigation and adjudication of cybercrimes in India, Computer Forensics and Digital evidence

**Unit 4:** Liability of ISPs and Other Intermediaries for Online Harms**Unit 05:** Guidelines Issued by Various Ministries and Treaty**Reference Books:**

1. The Information Technology Act, 2000.
2. The Indian Evidence Act, 1872
3. Computers, Internet and New Technology Laws (A comprehensive reference work with a special focus on developments in India)" By: Karnika Seth,
4. Cyber Law & Crimes By: BarkhaBhasin, Rama Mohan Ukkalam,
5. The Law of EVIDENCE (IN HINDI) by Ratanlal&Dhirajlal
6. The Law of EVIDENCE by BatukLal

## ***Paper 05 Intellectual Property Issues in Digital Environment***

**Unit 1: Copyright issues in digital medium:**

Copyright Infringement and Liability of Network Service provider

**Unit 2: Trademark in Online Medium:**

Protection of Online Commercial Identity (Trade Mark, Domain Name), ICANN Dispute Resolution Policy and WIPO

**Unit 3:**Controlling Online Business Methods: Patent**Unit 4:** Legal Position on Database protection in U.S., E.U. and India**Unit 5:** Protection of Multimedia works in cyber space**Reference Books:**

1. The Indian Copyright Act, 1957,
2. The Trademark Act, 1999 (Amended),
3. The Patent Law, 1970 (Amended), 2. Intellectual Property Law by P. Narayanan,
4. INTELLECTUAL PROPERTY RIGHTS by PRABUDDHA GANGULI -----Tata McGraw-Hill, India,
5. Venkateswaran on Trade Marks And Passing-Off by: KapilWadhwa, Dr. Abhishek Manu Singhvi

## ***Paper 06 E-banking and Electronic Payment Systems***

Unit 1: The Monetary System and Development of Money

Unit 2: Emerging Electronic System:Electronic Fund Transfer and Role of RBI

Unit 3: Effect of New Technology Traditional Banker/ Customer Relationship

Unit 4: Credit Cards payment system

Unit 5: Secure Electronic Transactions

**Reference Books:**

1. The Information Technology Act, 2000.
2. E- Banking in India: The Paradigm Shift (Unknown) By Jayshree Bose
2. Law Relating to COMPUTERS, Internet and E-Commerce - A Guide to CYBER LAWS & the IT Act, with Rules, Regulations, Notifications & Case Law By NandanKamath (Ed.), Foreword by N.R.MadhavaMenon.
3. International Banking, By Macmillan
4. Electronic Banking: The Ultimate Guide to Online Banking Hardcover by SCN Education B.V.

**PGDCL07: Dissertation**