

VEER MADHO SINGH BHANDARI UTTARAKHAND TECHNICAL UNIVERSITY

(Formerly Uttarakhand Technical University, Dehradun Established by Uttarakhand State Govt. Wide Act no. 415 of 2005)

Suddhowala, PO-Chandanwadi, Prem nagar, Dehradun, Uttarakhand

(Website- www.uktech.ac.in)



LL.M (2 Years) Introduction of Two New Group and Modification of the Syllabus of LPV003 and LPQ004

Introduction of new specialization groups in LL.M (2 Year), LL.M in Cyber Laws & Law and Technology and the subjects and their syllabus from the academic session 2025-26.

The Modified syllabus of Value Added and Human Rights (LPV003) and Applied Legal Study (LPQ004) Subjects in the syllabus of LL.M – 4th Semester from the academic session 2025-26.

Approved by the BOS held on 12/09/2025

UTTRAKHAND TECHNICAL UNIVERSITY, DEHRADUN

**Resolution of Board of Studies for Legal Education Held on
12.09.2025 from 11:30 am in University Campus.**

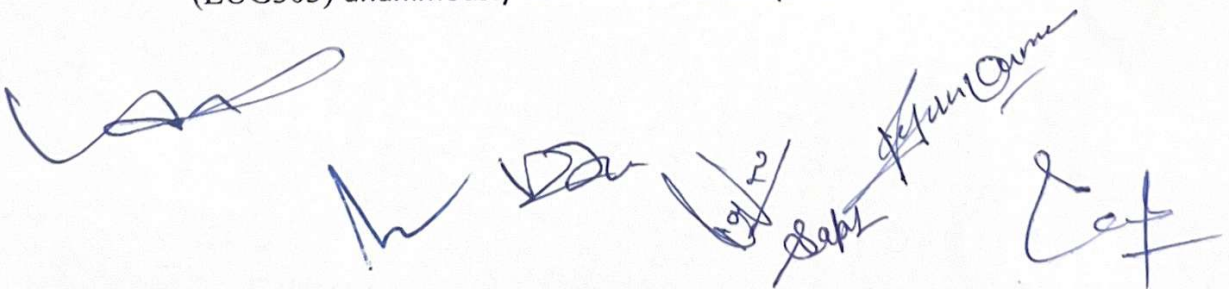
The following members were present in the meeting: -

1. Dr. Sharafat Ali (Convener)
2. Dr. Vimal Jha (Member)
3. Dr. G.K. Kapil (Member)
4. Dr. Rajesh Kumar (Member)
5. Dr. Pallavi Gusain (Member)
6. Dr. Sapna Rajput (Member)
7. Adv Aman Rab (Member)

At the outset of the meeting, knowing developments and compliance with the resolutions adopted in the previous meetings, all the members unanimously resolved to put their appreciation on record for the Hon'ble Vice-Chancellor, Registrar, Examination Controller and the other authorities of the university for implementing the resolutions into reality and congratulated all the persons involved in it.

The matters under agenda were seriously deliberated and discussed at length, and it is unanimously resolved that-

1. Suggestion suggested by the University to incorporate the Uniform Civil Code (UCC) in the syllabus of Family Law-II BA.LLB 4th Semester. (ILA 401) as Uttarakhand State Government implemented the Uniform Civil Code of Uttarakhand Act, 2024, unanimously confirmed and adopted. Colleges/legal centres may be informed accordingly. **Annexure-I**
2. Suggestion suggested by the University to incorporate the Uniform Civil Code (UCC) in the syllabus of Family Law-II B.B.A.LLB 4th Semester. (ILM 401) as Uttarakhand State Government implemented the Uniform Civil Code of Uttarakhand Act, 2024 unanimously confirmed and adopted. **Annexure-II**
3. Suggestion suggested by the University to incorporate the Uniform Civil Code (UCC) in the syllabus of Family Law-II LLB 3rd Semester. (LUG303) unanimously confirmed and adopted. **Annexure-III**

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4. Suggestions suggested by the University to introduce a new specialization group in LL.M (2 Year), LL.M in Cyber Laws and the subjects and their syllabus from the academic session 2025–26.

- I. Cyber law and cyber crime
 - II. Cybersecurity laws
 - III. Cyber-crimes evidence, investigation and procedure
 - IV. Intellectual property in cyberspace
 - V. The law of e-commerce transactions
 - VI. Trade mark, trade secret & patent protection in cyberspace
- Unanimously confirmed and adopted.

Annexure-IV

5. Suggestions suggested by the University to introduce a new specialization group in LL.M (2 Year), LL.M in Law and Technology and the subjects and their syllabus from the academic session 2025–26.

- I. Data Protection, Privacy & Cybersecurity Law
 - II. Intellectual Property, Innovation & Emerging Technologies
 - III. Legal Foundations for Technology & Digital Society
 - IV. Legal Technology, Digital Justice & Online Dispute Resolution
 - V. Regulation of Digital Platforms, E-Commerce & Competition Law
 - VI. Technology, Artificial Intelligence & Liability
- Unanimously confirmed and adopted.

Annexure-V

6. Suggestions suggested by the University to consider for confirmation of the syllabus of Value-Added and Human Rights (LPV003) of LL.M – 3rd Semester has been unanimously confirmed and adopted.

Annexure-VI

7. Suggestions suggested by the University to consider for confirmation of the syllabus of Applied Legal Study (LPQ004) LL.M 4th Semester is unanimously confirmed and adopted.

Annexure-VII

8. Suggestions suggested by the University to introduce an External Evaluation for Research Methodology in LL.M. The Board resolved that the Research Methodology paper in the LL.M programme will henceforth be evaluated through an external evaluation scheme beginning with the 2025–26 academic session. The revised scheme of evaluation and updated syllabus are unanimously confirmed and adopted. Colleges/legal centres may be informed accordingly.

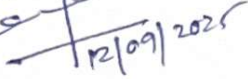


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9. Review and Reconfirmation all the syllabus, examination scheme, rules and regulations (except modifications suggested by the University for this BOS) framed by the previous BOS (Law). All are unanimously confirmed and adopted.


(Dr. Sharafat Ali)
Chairman/Convener


(Dr. G.K. Kapil)
Member

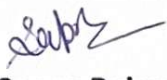

(Dr. Sanjeev Chadha)
Member


(Dr. Rajesh Kumar)
Member


(Adv Aman Rab)
Member

(Justice Mehboob Ali)
Member


(Dr. Pallavi Gusain)
Member


(Dr. Sapna Rajput)
Member


(Dr. Vivek Jha)
Member

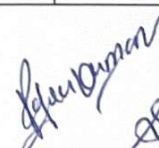
GROUP - XI (LAW AND TECHNOLOGY)

L:T:P

Major Selective Subject-I	LPS021	Data Protection, Privacy & Cybersecurity Law	6 Credits	3:0:0
Major Selective Subject-II	LPS022	Intellectual Property, Innovation & Emerging Technologies	6 Credits	3:0:0
Major Selective Subject-III	LPS023	Legal Foundations for Technology & Digital Society	6 Credits	3:0:0
Major Selective Subject-IV	LPS024	Legal Technology, Digital Justice & Online Dispute Resolution	6 Credits	3:0:0
Major Selective Subject-V	LPS025	Regulation of Digital Platforms, E-Commerce & Competition Law	6 Credits	3:0:0









Major Selective Subject-VI	LPS026	Technology, Artificial Intelligence & Liability	6 Credits	3:0:0
Dissertation	LPD001		12 Credits	









VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN
COURSE LL. M - Semester - III

SUBJECT: Technology, Artificial Intelligence & Liability

SUBJECT CODE : LPS 026

TOTAL MARKS 100

INTERNAL ASSESSMENT 40

EXTERNAL ASSESSMENT 60

TOTAL CREDITS 06

TOTAL TIME: 3 HOUR

Objectives:

- To explore how law allocates liability when technology / AI systems cause harm.
- To understand issues of negligence, strict liability, product liability, and applicable standards in automated / autonomous systems.
- To examine ethical and regulatory approaches to ensure safe deployment of technology.

Learning Outcomes:

Students will be able to:

1. Identify different legal theories of liability (tort, contract, strict liability etc.) in relation to AI / tech harms.
2. Assess whether existing law adequately addresses AI-caused harms; find gaps.
3. Analyse regulatory or tort law reforms needed to manage AI risks.
4. Draft proposals for safety regulation, liability frameworks adapted to new technologies.

Unit 1: Concepts of Liability & Risk in Tech Context

Tort law basics; product liability; foreseeability; causation in technological harm.

Unit 2: Autonomous Systems, AI & Liability Challenges

Self-driving cars; autonomous decision making; algorithmic decisions; who is "actor".

Unit 3: Contractual & Regulatory Liability

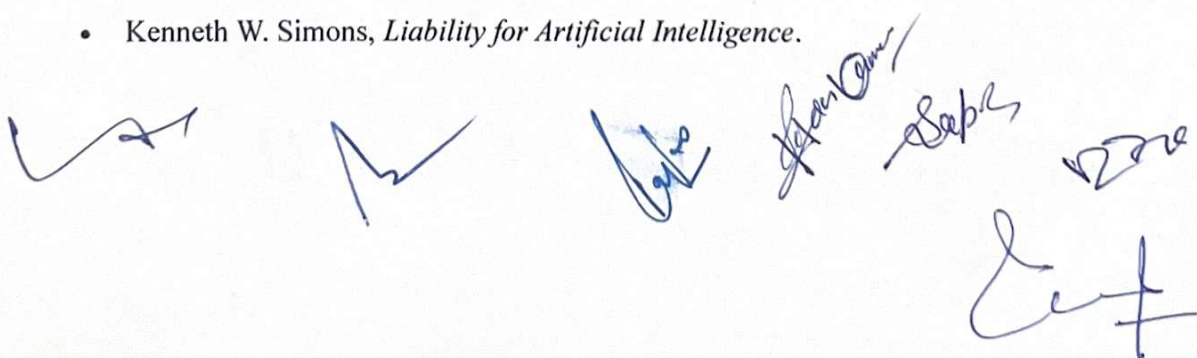
Warranties; indemnities; regulatory compliance; liability insurance.

Unit 4: Remedies, Standards & Governance

Standards of care; certification; liability caps; governmental role; comparative models.

Suggested Readings:

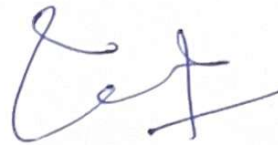
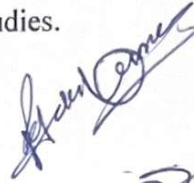
- Kenneth W. Simons, *Liability for Artificial Intelligence*.

The bottom of the page features several handwritten signatures and initials in blue ink. From left to right, there is a stylized 'V' or 'W' shape, a signature that appears to be 'M', a signature that looks like 'Vishal', a signature that says 'Jyoti', a signature that says 'Sap', a signature that says 'Vivek', and a large, stylized signature that looks like 'Euf'.

- Ryan Calo, *Robotics & the Lessons of Cyberlaw*.
- Papers on autonomous vehicles law; AI liability frameworks (EU's Product Liability Directive, proposals).
- Indian product liability law, consumer law, relevant case studies.



Sapre



VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN

SUBJECT: CYBER LAW AND CYBER CRIME

COURSE LL.M – Semester – I

SUBJECT CODE: LPS011

TOTAL MARKS 100

INTERNAL ASSESSMENT: 40

TOTAL CREDIT: 06

EXTERNAL ASSESSMENT: 60

TOTAL TIME: 03 HOURS

ANNIE

LEARNING OBJECTIVES: To develop a comprehensive understanding of the legal frameworks, regulations, and issues related to cyberspace, including cybersecurity, data protection, intellectual property, privacy, electronic commerce, and cybercrime.

OUTCOMES: Students will acquire strong analytical and critical thinking skills necessary to assess complex legal issues in the digital realm, such as jurisdictional challenges, international law implications, and emerging technologies' legal implications.

UNIT – 1 DEFINING CYBER SPACE

1. Legal environment of the business in the information age. 2. The development of the Internet law: What is Internet, History of Internet. 3. Functions on Internet, How Internet works, Accessing and using Internet. 4. Establishing and maintaining Identity on Internet: History of www, Purpose of Website, www surfing. 5. Objective, Salient features and definitions under IT Act.

UNIT- 2 THE SYSTEM OF DIGITAL AND ELECTRONIC SIGNATURES

1. Digital or Electronic Signatures: Relevance, Purpose and functions; difference; Ceremony, Approval and efficiency of e-signatures.
2. UNCITRAL Draft Uniform Rules on electronic signatures.
3. Certifying Authorities; Electronic Signature Certificates
4. Cryptography, EDI, Hash function, Verification of electronic signature.
5. Public Key infrastructure, Repositories, Key-escrow and Key recovery.
6. Evidentiary aspects, Liability and Risk allocation.

UNIT – 3 ELECTRONIC GOVERNANCE

1. Information Technology Act & E-Governance
2. Legal issues surrounding E-Governance; dispatch and receipt of electronic records; The Cyber Appellate Tribunal

UNIT- 4 CYBERSPACE JURISDICTIONS

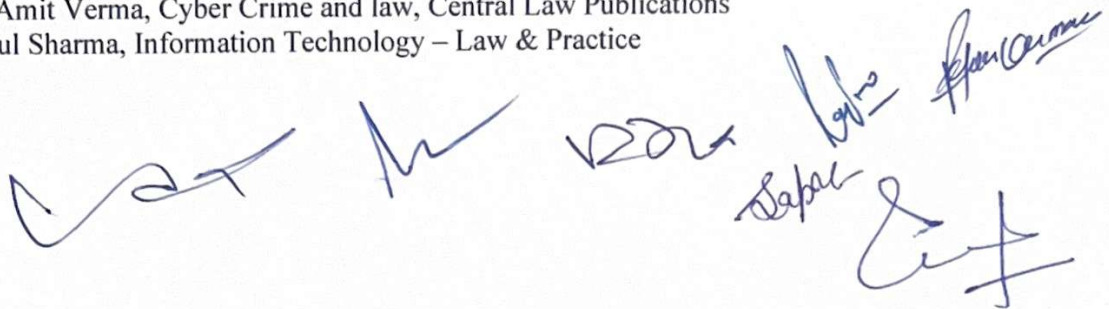
1. Concept; Traditional principle, Internet jurisdiction, Indian context of jurisdiction, International jurisdiction; Jurisdiction under IT Act Subject matter of jurisdiction, Personal jurisdiction; International Conventions governing jurisdiction. Case laws on cyberspace jurisdiction.

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2. Obtaining Redress in International disputes.

SUGGESTED READINGS:

1. Nandan Kamath, Law Relating to Computers Internet & E-Commerce, Universal law Publishing Co. Ltd (Latest edition).
2. Justice Yatindra Singh, Cyber Laws Universal Law Publishing Co. Ltd (Latest edition).
3. Baumer, David, and Poindexter J.C, Cyber Law & E-Commerce
4. Jonathan Rosenoer, Cyber Law: The Law of Internet
5. Michael Rustad & Cyrus Daffary, E-Business Legal Handbook
6. Gerald R. Ferrera
7. Dr. Amit Verma, Cyber Crime and law, Central Law Publications
8. Vakul Sharma, Information Technology – Law & Practice

A collection of handwritten signatures and initials in blue ink, located below the list of suggested readings. The signatures are stylized and appear to be from different individuals, possibly students or reviewers, who have signed the document.

VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN

SUBJECT: CYBER SECURITY LAWS

COURSE LL.M - Semester-II

SUBJECT CODE: LPS012

TOTAL MARKS 100

INTERNAL ASSESSMENT: 40

EXTERNAL ASSESSMENT: 60

TOTAL CREDIT: 06

TOTAL TIME: 03 HOURS

LEARNING OBJECTIVES: To develop a comprehensive understanding of the legal frameworks, regulations, and issues related to cyberspace, including cyber security, data protection, intellectual property, privacy, electronic commerce, and cybercrime.

OUTCOMES: Students will acquire strong analytical and critical thinking skills necessary to assess complex legal issues in the digital realm, such as jurisdictional challenges, international law implications, and emerging technologies' legal implications.

UNIT 1 Basics of Cyber security

Meaning of basics of Cyber security, Cyber security incident, Cyber security action.

UNIT 2 Intellectual Property

Freedom of speech, Fair user and ethical hacking Internet fraud: Cyber security of private banks Cyber security of e-governance Mobile payment and cyber security E-mail policy.

UNIT 3 Nature and scope

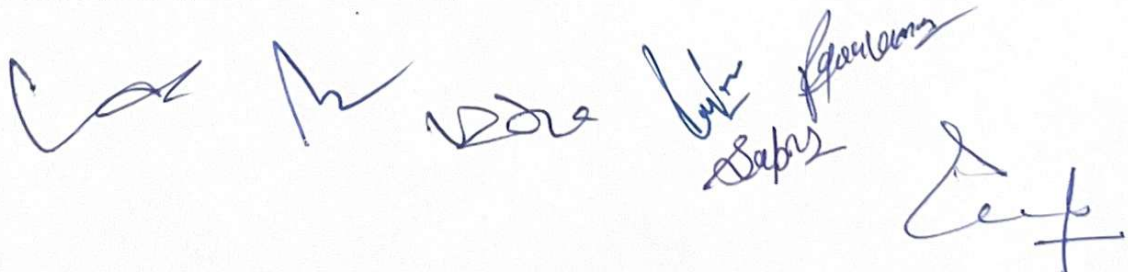
Creating a secure cyber ecosystem, Mechanisms for cyber threat, Securing e-governance service, Protection and resilience of critical information infrastructure, Promotion of research and development in cyber security.

UNIT 4 Data security: Issues and challenges

Data protection-controlling authorities, Data use-punishment and penalties, Social networking and privacy issues, Rights of privacy and the Constitution of India, Digital Personal Data Protection Act, 2023, Telecommunications and privacy, Provisions of Information Technology (Amendment) Act, 2008.

SUGGESTED READINGS:

1. Nandan Kamath, Law Relating to Computers Internet & E-Commerce, Universal law Publishing Co. Ltd (Latest edition).
2. Justice Yatindra Singh, Cyber Laws Universal Law Publishing Co. Ltd (Latest edition).
3. Baumer, David, and Poindexter J.C, Cyber Law & E-Commerce



4. Jonathan Rosenoer, Cyber Law: The Law of Internet
5. Michael Rustad & Cyrus Daffary, E-Business Legal Handbook
6. Gerald R. Ferrera
7. Dr. Amit Verma, Cyber Crime and law, Central Law Publications
8. Vakul Sharma, Information Technology – Law & Practice Cyber Security: Trends and Challenges" by Dr. Vikram Sharma
9. Cyber Security: Emerging Threats and Countermeasures" by Dr. Deepak Kumar Cyber
10. Security in India: Policies, Strategies, and Initiatives" by Dr. S. S. Sarma Cybersecurity:
11. Challenges and Perspectives" by Dr. Satish Pandey

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Saby *Conf*

VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN
SUBJECT: CYBER CRIMES EVIDENCE, INVESTIGATION AND PROCEDURE
COURSE LL.M - Semester - II
SUBJECT CODE : LPS013
TOTAL MARKS 100

INTERNAL ASSESSMENT: 40
TOTAL CREDIT: 06

EXTERNAL ASSESSMENT: 60
TOTAL TIME: 03 HOURS

LEARNING OBJECTIVES: To develop a comprehensive understanding of the legal frameworks, regulations, and issues related to cyberspace, including cyber security, data protection, intellectual property, privacy, electronic commerce, and cybercrime.

OUTCOMES: Students will acquire strong analytical and critical thinking skills necessary to assess complex legal issues in the digital realm, such as jurisdictional challenges, international law implications, and emerging technologies' legal implications.

UNIT – 1 ELECTRONIC EVIDENCE

1. Evidentiary Regime and the Internet, Types of Evidence.
2. Admissibility, Threshold Requirement, Burden of proof.
3. Document & writing: Indian law, UNICITRAL Model Law, IT act.
4. Authenticity, Best Evidence Rule.
5. Forensic Computing.

UNIT – 2 CYBERCRIME INVESTIGATION AND PROCEDURE

1. Applicability of CrPC, Compounding and Cognizable offences.
2. Conducting the Investigation, investigative problems.
3. IT Act, Chapter XII and Chapter XIII.

UNIT – 3 PREVENTION OF CYBER CRIMES

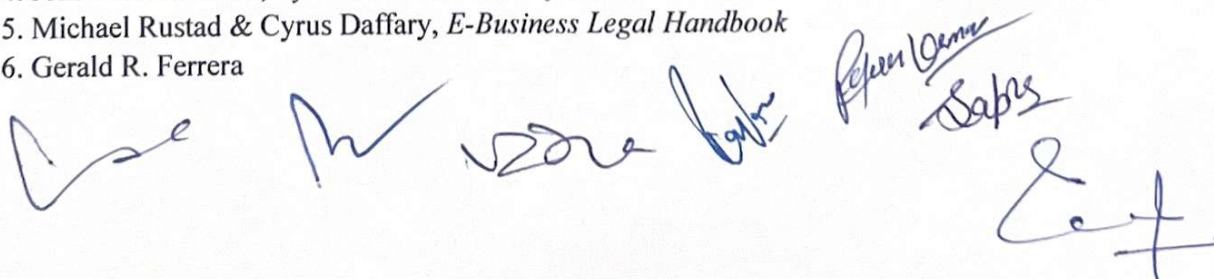
National & International Control Regime

UNIT – 4 CYBER ETHICS

1. Internet Regulation and Ethics
2. Pornography in cyberspace: Public Policy
3. Free Speech and Content Control in Cyberspace: Hate speech and Online threats, Anonymous speech; Blogging

Suggested Readings:

1. Nandan Kamath, *Law Relating to Computers Internet & E-Commerce*, Universal law Publishing Co. Ltd (Latest edition).
2. Justice Yatindra Singh, *Cyber Laws* Universal Law Publishing Co. Ltd (Latest edition).
3. Baumer, David, and Poindexter J.C, *Cyber Law & E-Commerce*
4. Jonathan Rosenoer, *Cyber Law: The Law of Internet*
5. Michael Rustad & Cyrus Daffary, *E-Business Legal Handbook*
6. Gerald R. Ferrera



7. Dr. Amit Verma, Cyber Crime and law, Central Law Publications

8. Vakul Sharma, Information Technology – Law & Practice

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VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN
SUBJECT: INTELLECTUAL PROPERTY IN CYBERSPACE

COURSE LL.M - Semester-II

SUBJECT CODE : LPS014

TOTAL MARKS 100

INTERNAL ASSESSMENT: 40

EXTERNAL ASSESSMENT: 60

TOTAL CREDIT: 06

TOTAL TIME: 03 HOURS

LEARNING OBJECTIVES: To develop a comprehensive understanding of the legal frameworks, regulations, and issues related to cyberspace, including cyber security, data protection, intellectual property, privacy, electronic commerce, and cybercrime.

OUTCOMES: Students will acquire strong analytical and critical thinking skills necessary to assess complex legal issues in the digital realm, such as jurisdictional challenges, international law implications, and emerging technologies' legal implications.

UNIT – 1 COPYRIGHT IN CYBERSPACE

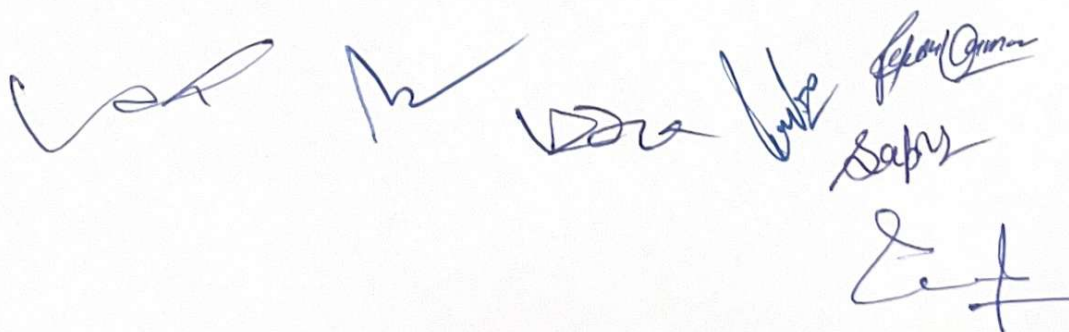
1. What is Intellectual Property; Legal protection of intellectual property; Moral justifications for intellectual property
2. World Trade organization; World Intellectual property Organization; Copyright under TRIPS, The WIPO Copyright Treaty.
3. Protection of Computer Software: Indian and Foreign Laws.
4. Issues for the Internet: Copyright and digital dilemma, Software ownership and the open source code movement;

UNIT – 2 PROTECTION OF COPYRIGHT

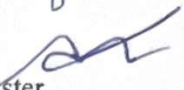
1. Copyright in Digital medium; Copyright in digital goods; Upload of content, transmission of content, Access of content, Use of content, Copyright in joint works.
2. Copyright as a bundle of rights, Right of Reproduction, Public performance and Display rights, Distribution Rights, Derivative Works.
3. Catching, Types of catching, Whom to catch – Website authors, Browsers and Search Engines, Internet Service Providers (ISPs).
4. Infringement; Direct, Contributory and Vicarious Liability.

UNIT – 3 ANTI-CIRCUMVENTION LAW/ DIGITAL RIGHT MANAGEMENT

1. Limitation of liability, Collective licensing, Indigenous methods of software protection, Protection through technology.
2. Software Solutions: Commercial software, freeware, Shareware, Copylefted software and OSS licenses.
3. Defenses; ignorance, fair use. DeMinimis.
4. Case Law: The DeCSS case, Heise Online case and Sony Play Station case.



UNIT- 4 ONLINE COPYRIGHT IN PRACTICE

1. Digital Millennium Copyright Act (DMCA) - A special law for ISP.
2. No Electronic Theft Act (The NET Act of United States. 
3. Copyright violations on the Website - The Napster case, the KaZaA case, the Grokster case, pirate Bay case and P2p case.
4. Data Protection law - Indian and Foreign.

Suggested Readings:

1. Nandan Kamath, *Law Relating to Computers Internet & E-Commerce*, Universal Law Publishing Co. Ltd (Latest edition).
2. Justice Yatindra Singh, *Cyber Laws* Universal Law Publishing Co. Ltd (Latest edition).
3. Baumer, David, and Poindexter J.C, *Cyber Law & E-Commerce*
4. Jonathan Rosenoer, *Cyber Law: The Law of Internet*
5. Michael Rustad & Cyrus Daffary, *E-Business Legal Handbook*
6. Gerald R. Ferrera
7. Dr. Amit Verma, *Cyber Crime and law*, Central Law Publications
8. Vakul Sharma, *Information Technology - Law & Practice*

VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN

SUBJECT: THE LAW OF E-COMMERCE TRANSACTIONS

COURSE LL.M - *Season A - III*

SUBJECT CODE : LPS015

TOTAL MARKS 100

INTERNAL ASSESSMENT: 40

EXTERNAL ASSESSMENT: 60

TOTAL CREDIT: 06

TOTAL TIME: 03 HOURS

LEARNING OBJECTIVES: To develop a comprehensive understanding of the legal frameworks, regulations, and issues related to cyberspace, including cyber security, data protection, intellectual property, privacy, electronic commerce, and cybercrime.

OUTCOMES: Students will acquire strong analytical and critical thinking skills necessary to assess complex legal issues in the digital realm, such as jurisdictional challenges, international law implications, and emerging technologies' legal implications.

UNIT – 1 E-COMMERCE AND CONTRACT LAW

1. E-Business Models, Source of e-commerce Law.
2. Privacy in information Contracts.
3. Procedural Laws of e-Commerce.
4. Contracting for Software development.

UNIT – 2 ONLINE CONTRACTING

1. Electronic Contract formation, Electronic Data Interchange (EDI).
2. Contractual protection: Shrink-wrap, Click-wrap, Browse-wrap licenses.
3. Cyber and Internet Agreements.
4. Internet payment Systems: instruments, Credit Cards, Debit cards, ENI, international Banking, E-cheque, Electronic money, letters of Credit, Bill of Lading.

UNIT – 3 INTERNET SECURITY

1. Internet and Information Security, Network Security – Local Area Network, Storage Area Network.
2. Routers, Gateways, Biometric Systems, Encryption.
3. Online Security: Encryption and Cryptography, Restrictions on Cryptography in India under IT Act, procedural Safeguards, Digital Signatures, Certificate Authorities, Virtual private networks, Security Audit products, physical Security.

UNIT – 4 INDIAN LAW ON INTERNET SECURITY

1. Security concerns, Preventive Measures, AND IT Act (Ch. V-VIII)

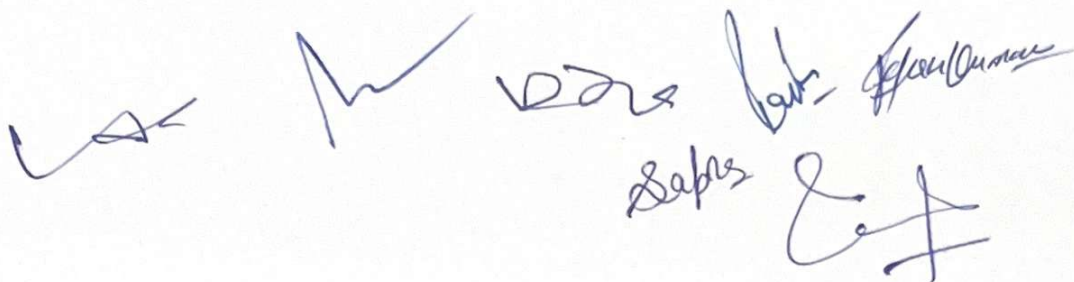
Suggested Readings:

1. Nandan Kamath, *Law Relating to Computers Internet & E-Commerce*, Universal law Publishing Co. Ltd (Latest edition).
2. Justice Yatindra Singh, *Cyber Laws* Universal Law Publishing Co. Ltd (Latest edition).
3. Baumer, David, and Poindexter J.C, *Cyber Law & E-Commerce*
4. Jonathan Rosenoer, *Cyber Law: The Law of Internet*
5. Michael Rustad & Cyrus Daffary, *E-Business Legal Handbook*

6. Gerald R. Ferrera

7. Dr. Amit Verma, Cyber Crime and law, Central Law Publications

8. Vakul Sharma, Information Technology – Law & Practice

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VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN
SUBJECT: TRADE MARK, TRADE SECRET & PATENT PROTECTION IN
CYBERSPACE
COURSE LL.M — Semester III
SUBJECT CODE: LPS016

INTERNAL ASSESSMENT: 40
TOTAL CREDIT: 06

TOTAL MARKS 100
EXTERNAL ASSESSMENT: 60
TOTAL TIME: 03 HOURS

LEARNING OBJECTIVES: To develop a comprehensive understanding of the legal frameworks, regulations, and issues related to cyberspace, including cyber security, data protection, intellectual property, privacy, electronic commerce, and cybercrime.

OUTCOMES: Students will acquire strong analytical and critical thinking skills necessary to assess complex legal issues in the digital realm, such as jurisdictional challenges, international law implications, and emerging technologies' legal implications.

UNIT – 1 TRADEMARK PROTECTION IN CYBERSPACE

1. Types of Marks, Concurrent use in cyberspace, Trademark and unfair competition in cyberspace, Online Infringement.
2. Internet Domain Names: What is domain name, registering a domain name, Domain name and the legal system, Domain name disputes, Domain Names Dispute resolution Policies (UDRP), the NSI plan, proposed Domain Name System, ICANN Policy.
3. Cybersquatting & Typo squatting, protest Website.

UNIT – 2 LINKING, FRAMING AND METATAGS

1. Linking: Type of linking, Liability for hyper linking, Legal implications.
2. Framing: Application to Copyright and Trademark law, Legal issues.
3. Metatags: Metatags and Key word dispute, legal issues.
4. Selling of trademark.

UNIT – 3 TRADESECRET PROTECTIONS IN CYBERSPACE

1. Trade Secret Law, Criminal Prosecution of Trade Secret Theft, Non-disclosure Agreements.
2. Trade secrets on the Internet, Trade secrets on Internet in Practice.
3. Reverse Engineering, Decompilation and Disassembly of Software.

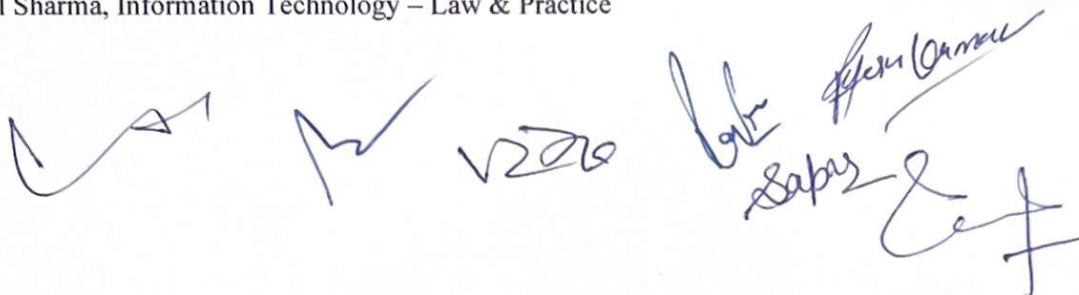
UNIT – 4 PROTECTION OF E-COMMERCE RELATED PATENTS

1. Concept and Methods of Patent law.
2. Patents in Cyberspace.
3. Patent Infringement and patent Prosecution.
4. Patenting software, Industrial process and Business Methods.



Suggested Readings:

1. Nandan Kamath, Law Relating to Computers Internet & E-Commerce, Universal law Publishing Co. Ltd (Latest edition).
2. Justice Yatindra Singh, Cyber Laws Universal Law Publishing Co. Ltd (Latest edition).
3. Baumer, David, and Poindexter J.C, Cyber Law & E-Commerce
4. Jonathan Rosenoer, Cyber Law: The Law of Internet
5. Michael Rustad & Cyrus Daffary, E-Business Legal Handbook
6. Gerald R. Ferrera
7. Dr. Amit Verma, Cyber Crime and law, Central Law Publications
8. Vakul Sharma, Information Technology – Law & Practice

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Group - X Cyber Laws

GROUP - X (LAW AND TECHNOLOGY) Cyber Law

Major Selective Subject-I	LPS011	Cyber law and cyber crime	6 Credits	3:0:0
Major Selective Subject-II	LPS012	Cybersecurity laws	6 Credits	3:0:0
Major Selective Subject-III	LPS013	Cyber-crimes evidence, investigation and procedure	6 Credits	3:0:0
Major Selective Subject-IV	LPS014	Intellectual property in cyberspace	6 Credits	3:0:0
Major Selective Subject-V	LPS015	The law of e-commerce transactions	6 Credits	3:0:0
Major Selective Subject-VI	LPS016	Trade mark, trade secret & patent protection in cyberspace	6 Credits	3:0:0
Dissertation	LPD001		12 Credits	



VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN
COURSE LL. M - Semester-I

SUBJECT: Data Protection, Privacy & Cybersecurity Law

SUBJECT CODE : LPS 021

TOTAL MARKS 100

INTERNAL ASSESSMENT 40

EXTERNAL ASSESSMENT 60

TOTAL CREDITS 06

TOTAL TIME: 3 HOUR

Objectives:

- To study legal frameworks protecting personal data, privacy rights, and the law of cybersecurity.
- To evaluate regulatory models (domestic and international) governing data protection and breach response.
- To understand legal liability, procedural framework for cyber incidents and rights remedies.

Learning Outcomes:

Students will be able to:

1. Define key concepts: personal / sensitive data; controllers/processors; consent; data breach; cybersecurity incident.
2. Understand laws like GDPR, Indian privacy / data protection proposals / statutes, compared with other jurisdictions.
3. Assess legal and regulatory obligations in cybersecurity (both public & private sectors).
4. Draft policy / legal proposals or compliance frameworks for data protection & incident management.

Unit 1: Legal & Regulatory Frameworks

Global models: GDPR, CCPA etc.; Indian proposals / acts; international norms; cross-border data flows.

Unit 2: Privacy Rights & Data Subject Remedies

Rights of individuals (access, correction, erasure, portability); mechanisms for redress and oversight; enforcement.



Unit 3: Cybersecurity Laws, Obligations & Liabilities

Duty of care; breach notifications; mandatory security standards; incident response; regulatory bodies.

Unit 4: Case Studies, Emerging Issues & Future Trends

Big data, AI and privacy; data ethics; IoT; biometric data; surveillance; encryption and law enforcement.

Suggested Readings:

- Daniel J. Solove & Paul M. Schwartz, *Information Privacy Law*.
- Paul De Hert & Serge Gutwirth, *Data Protection in the 21st Century*.
- Reports of Data Protection Authority of India, relevant parliamentary drafts.
- Academic articles: on surveillance, biometric data, AI privacy.
- Selected judgments from Indian courts and comparative ones (EU, U.S.).

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VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN
COURSE LL. M *Semester I*

SUBJECT: Intellectual Property, Innovation & Emerging Technologies

SUBJECT CODE : LPS 022

TOTAL MARKS 100

INTERNAL ASSESSMENT 40

EXTERNAL ASSESSMENT 60

TOTAL CREDITS 06

TOTAL TIME: 3 HOUR

Objectives:

- To explore how IP law applies to new technologies (AI, software, biotech, digital media).
- To understand tensions between encouraging innovation, protecting creators, and the public interest.
- To study international treaties and comparative IP systems as they adapt to emerging tech.

Learning Outcomes:

By end of this subject, students will be able to:

1. Distinguish among different IP regimes (patents, copyright, trademarks, trade secrets) and how they apply to emerging technologies.
2. Identify limits and challenges of existing IP law (e.g. AI-generated works, software patents, gene patents).
3. Understand treaty obligations, international trade impacts, compulsory licensing etc.
4. Propose reforms or policies that balance innovation and access.

Unit 1: Basics of IP Law & Emerging Tech

Overview of IP; tech trends (AI, biotech, synthetic biology, software); what types of protection apply.

Unit 2: Copyright, Software & AI

AI-generated works; authorship and ownership; licensing; open source; digital rights.

Unit 3: Patents, Biotechnology & Gene Editing

Patentable subject matter; ethical, moral, public health limits; CRISPR etc.

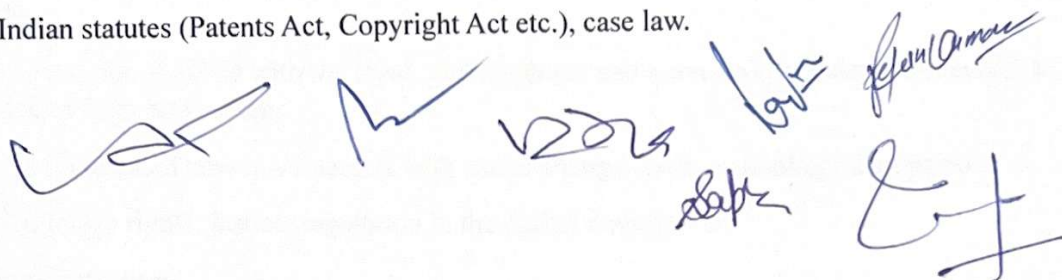
Unit 4: Trade Secrets, Trademarks & Policy Challenges



Protection of business secrets; trademarks in digital domain; IP and access to medicines; international obligations.

Suggested Readings:

- WIPO publications on IP and AI / biotech.
- Rochelle Dreyfuss et al., *Innovation Policy and the Limits of Antitrust*.
- Peter Drahos, *A Philosophy of Intellectual Property*.
- "IP for Emerging Technologies" special issues in journals like *Journal of Intellectual Property Law & Practice*, *Harvard Journal of Law & Technology*.
- Indian statutes (Patents Act, Copyright Act etc.), case law.

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VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN
COURSE LL. M *Semester II*

SUBJECT: Legal Foundations for Technology & Digital Society

SUBJECT CODE : LPS 023

TOTAL MARKS 100

INTERNAL ASSESSMENT 40

EXTERNAL ASSESSMENT 60

TOTAL CREDITS 06

TOTAL TIME: 3 HOUR

Objectives

- To provide students with the legal, philosophical and normative foundations relevant to technology and society.
- To understand how law interacts with social change under technology disruption.
- To locate rights, justice, regulation in the digital environment

Learning Outcomes:

By end of this subject, students will be able to:

1. Comprehend key legal-theoretical concepts (rights, justice, rule of law, governance) in relation to digital technology.
2. Analyse how technology reshapes social order, public policy, regulation.
3. Critically evaluate legal doctrine and jurisprudence in technology law from a foundational perspective.
4. Relate philosophical / normative debates (freedom of speech, privacy, fairness) with practical lawmaking and regulation.

Unit 1: Theoretical & Philosophical Underpinnings

Concepts: Law, Justice, Rights; Theories of regulation; Philosophy of technology; Technological determinism vs social constructivism.

Unit 2: Governance, Regulation & the State in Digital Age

State regulation of technology; private regulation; multi-stakeholder models; governance vs regulation; comparative models.

Unit 3: Fundamental Rights, Speech & Expression in Digital Media

Freedom of expression online; content moderation; hate speech, disinformation; balancing with public order / morals.



Unit 4: Ethics, Algorithmic Fairness, and Access to Justice

Bias, discrimination, fairness in algorithms; accountability & transparency; access to justice and digital divide; role of the State & courts.

Suggested Readings:

- Luciano Floridi, *The Ethics of Information*, Oxford University Press.
- Cass R. Sunstein, *#Republic: Divided Democracy in the Age of Social Media*.
- Julie E. Cohen, *Between Truth and Power: The Legal Constructions of Informational Capitalism*.
- UNESCO's reports on digital ethics.
- Indian cases / judgments on free speech, digital regulation (for example, *Shreya Singhal v. Union of India* etc.).

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VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN
COURSE LL. M *Semester-II*

SUBJECT: Legal Technology, Digital Justice & Online Dispute Resolution

SUBJECT CODE : LPS 024

TOTAL MARKS 100

INTERNAL ASSESSMENT 40

EXTERNAL ASSESSMENT 60

**TOTAL CREDITS 06
HOUR**

TOTAL TIME: 3

Objectives:

- To examine how technology tools are transforming legal practice (legal tech), courts, dispute resolution.
- To study digital justice (e-filing, virtual courts), online dispute resolution (ODR), and their challenges (access, due process, evidence).
- To understand ethical, procedural, regulatory issues in deployment of such technology.

Learning Outcomes:

Students will be able to:

1. Identify legal technologies and tools in law practice (document automation, predictive analytics, e-discovery etc.).
2. Understand how virtual justice systems and ODR work; legal procedural implications.
3. Analyse challenges: digital access, procedural fairness, privacy, cross-border disputes.
4. Propose reforms or designs for legal systems to integrate tech while preserving justice.

Unit 1: Legal Tech Tools & Innovations

Legal research tools; document automation; AI in law practice; predictive law; blockchain for legal records.

Unit 2: Virtual Courts, E-Filing & Digital Evidence

Legal recognition of electronic evidence; authentication; procedural rules; virtual hearing practice.

Unit 3: Online Dispute Resolution (ODR) & Alternative Models

Design of ODR; arbitration online; hybrid models; enforcement of online decisions.

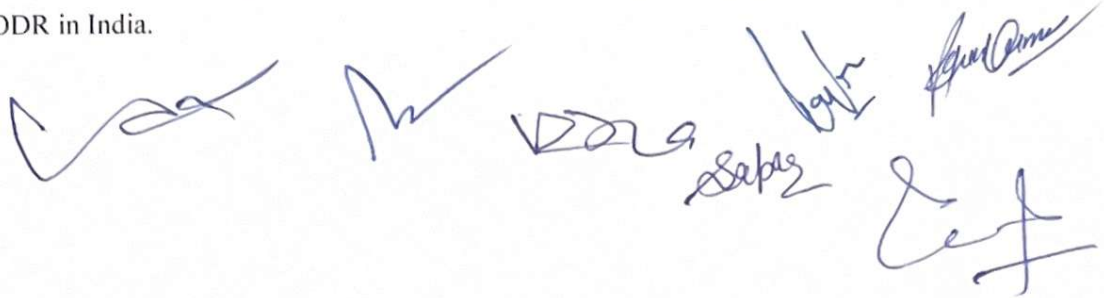
Unit 4: Access to Justice, Ethics & Regulation

Digital divide; linguistic, socio-economic barriers; ethical issues; regulatory oversight; standards & certification.



Suggested Readings:

- Richard Susskind, *Tomorrow's Lawyers*.
- Ethan Katsh, *Online Dispute Resolution: Technology, Law and Policy*.
- Articles in *Harvard Journal of Law & Technology*, *Yale Journal of Law & Technology*.
- Indian rules/statutes on electronic evidence; case law re virtual courts; reports on ODR in India.



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VMSB UTTARAKHAND TECHNICAL UNIVERSITY, DEHRADUN
COURSE LL. M Semester III

SUBJECT: Regulation of Digital Platforms, E-Commerce & Competition Law

SUBJECT CODE : LPS 025

TOTAL MARKS 100

INTERNAL ASSESSMENT 40

EXTERNAL ASSESSMENT 60

TOTAL CREDITS 06

TOTAL TIME: 3 HOUR

Objectives:

- To analyse how law regulates digital platforms, marketplaces, intermediaries, and e-commerce.
- To study competition concerns in digital markets: dominance, monopolistic practices, gatekeepers.
- To examine consumer protection, cross-border transactions, and platform liability.

Learning Outcomes:

Students will be able to:

1. Understand legal and regulatory obligations of platforms and intermediaries.
2. Identify and analyse competition/antitrust issues in digital markets.
3. Evaluate how e-commerce law deals with consumers, dispute resolution, contracts online.
4. Recommend regulatory or policy responses to platform power, market failures.

Unit 1: Digital Platforms & Intermediary Liability

Definitions; safe harbors; content moderation; takedown rules; censorship vs free speech.

Unit 2: Competition Law in the Digital Economy

Market power; network effects; predatory pricing; abuses of dominance; data monopolies.

Unit 3: E-Commerce, Consumer Protection & Contract Law Online

Consumer rights; disclosure; unfair terms; cross-border sales; electronic contracts.

Unit 4: Regulation & Policy Case Studies

Google, Amazon, Facebook etc.; regulatory interventions in India, EU, U.S.; proposals for platform regulation (digital markets act etc.).

Suggested Readings:

- OECD / EU reports on platform regulation.



- Tim Wu, *The Curse of Bigness*.
- Articles in *Antitrust Law Journal*, *Journal of Competition Law & Economics*.
- Indian Competition Act, Consumer Protection Act, intermediary liability laws.
- Recent case law about platform liability and antitrust in digital domain.

COURSE CODE: LPQ004
LL.M. - Semester - IV
COURSE TITLE: Applied Legal Study -

Credits: Non-credit but qualifying (To qualify, students have to obtain 40 marks out of 100)

Total Marks: 100

Course Objectives

This subject is based on the UGC-NET examination, and it contains four units named Constitution, Administrative Law, International Law, Human Rights, Criminal Law, Family Law. Through this subject, the learners will be competent to qualify the UGC NET examination.

Learning Outcomes: This subject is based on the UGC-NET examination. After thorough study of this subject, the learners will be able to: clarify the foundational aspects of multiple laws under a single course and prepare thoroughly for UGC- NET.

UNIT – I: CONSTITUTIONAL AND ADMINISTRATIVE LAW

Constitutionalism, Transformative Constitutionalism, New Concept of Equality, Doctrine of Basic Structure, New Dimension of Freedom of Speech and Expression, Due Process of Law, Scope and Development of Administrative Law, Administrative Functions and Discretion, Delegated Legislation.

UNIT – II: PUBLIC INTERNATIONAL LAW AND HUMAN RIGHTS LAW

International law – Definition, nature and basis, Sources of International law, International law and Indian Practice, International Court of Justice and UN Charter, Protection and enforcement of human rights in India.

UNIT – III FAMILY LAW, LAW OF CONTRACTS

Sources and schools, Marriage and dissolution of marriage, Matrimonial remedies- Divorce and theories of divorce, Essential elements of contract and e-contract, Breach of Contract, frustration of contract, void and voidable agreements.

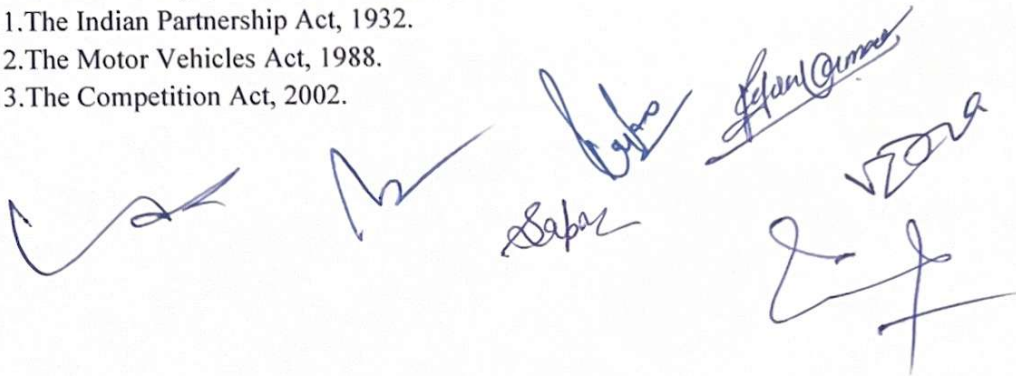
Unit-IV LAW OF CRIMES

General Principles of Criminal liability- Actus reus and mens rea, individual and group liability and constructive liability, Stages of crime and inchoate crimes- Abetment, criminal conspiracy and attempt, General Exceptions, Offences against Human Body, Offences against Property.

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Suggested readings:

1. Avtar Singh, Law of Contract & Specific Relief, (Eastern Book Company, New Delhi, 12th Ed., 2021).
2. Basant. K. Sharma, Hindu Law, (Central Law Publications, Allahabad, 2014).
3. D. F. Mulla, Hindu Law, (LexisNexis, New Delhi, 21st Ed., 2016).
4. P. S. A. Pillai, Criminal Law, (LexisNexis, New Delhi, 13th Ed., 2017).
5. P. C. Markanda, The Law of Partnership in India, (LexisNexis, New Delhi, 2010)
6. Paras Diwan, Modern Hindu Law, (Allahabad Law Agency, Faridabad, 2019).
7. Paras Diwan, Muslim Law in Modern India, (Allahabad Law Agency, Faridabad, 2016).
8. Ratanlal Dhirajlal, Law of Crimes, (LexisNexis, New Delhi, 2019).
9. S. N. Mishra, Indian Penal Code, (Central Law Publications, Allahabad, 2016).
10. T. Bhattacharya, Indian Penal Code, (Central Law Agency, Allahabad., 2017).
11. The Indian Partnership Act, 1932.
12. The Motor Vehicles Act, 1988.
13. The Competition Act, 2002.



SEMESTER II - II

COURSE CODE: LPV003

L.L.M. Semester - II

COURSE TITLE: VALUE ADDED AND HUMAN RIGHTS

CREDIT: Non-credit but qualifying (To qualify, students have to obtain 40 marks out of 100)

MARKS: 100

Course Objectives

To understand and analyze the growth and development of Human Rights Law. To evaluate the developments of Human Rights. To understand the regulation of human rights under the International law and the international and the regional protection of human rights. To understand the relation between international human rights law, and humanitarian law.

Learning Outcome

At the completion of course, the students shall have skills of understanding difficult and important issues of human rights concern. The students having studied Human Rights can seek jobs in the academia, government sector, international organizations, embassies, consulates, foreign universities and institutions and can carry out practice of international institutional and human rights law besides many others.

UNIT I: Concept and nature of Value Education

Need and importance of Value Education in contemporary social context

Concept of human value with special reference to Indian tradition and culture

Different types and components of value education

UNIT II: Moral education vis-à-vis religious education

Moral judgment and moral action

Concept of moral development of child

Approaches of moral development: Social theory approach and cognitive development approach.

UNIT III: Human Rights – Universal Declaration of Human Rights

Human Rights violations – National Integration – Peace and non-violence

Dr. A P J Kalam's ten points for enlightened citizenship

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Social Values and Welfare of the citizen

The role of media in value building

UNIT IV: Environment and Ecological balance

Constitutional or national values - Democracy, socialism, secularism, equality, justice, liberty, freedom and fraternity and different social values

Suggested Readings

1. Allport, G.W., Vernon, P.E., and Lindzey, G. (1970) *study of values*, Buston: Houghton Mifflin.
2. Centaral Board of Secondary Education (1997), *Value Education: A Handbook for Teachers*, Delhi: Central Board of Secondary Education.
3. Delors, J. (1996), *Learning: The Treasure within- Report of the International Commission on Education for the Twenty-First Century*, Paris: UNESCO.
4. Karan Singh (1996) *Education for global society*, in Delors, J., *Learning: The Treasure Within*, Paris: UNESCO.
5. Kollberg, L. (1964), *Development of moral character and ideology*, in M.K.
6. Hoffman and L.W. Hoffman (eds) *Review of Child Development Research, Vol.1*, New York: Russell Sage.
7. Kohlberg, L. (1969), *Stage and sequence*, in D.A. Goslin (ed) *Handbook of Socialization Theory and Research*, Chicago: Rand Mc Nally.
8. Morris, Charles W. (1956). *Varieties of Human Values*. Chikago: University of Chicago Press.
9. Piaget, J. (1960). *The Moral Judgment of the Child*. New York: Free Press
10. Shukla, R.P.(2005). *Value Education and Human Rights*. Sarup & Sons, New Delhi
11. *Value Education*. Manish Prakashan , Plat No. 26, Rohit Nagar Colony, Baranasi Hindu University , Varanasi.
12. M.G.Chitakra: *Education and Human Values*, A.P.H.Publishing Corporation, New Delhi-12, 2003
13. Bandiste, D.D.: *Humanist Values: A Source Book*, B.R.Publishing Corporation, Delhi,

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