

VIJAYANAGARA SRI KRISHNADEVARAYA UNIVERSITY
Department of PG Studies in Master of Law Jnanasagara Campus,
Vinayakanagara, Cantonment, Ballari-583105
www.vskub.ac.in



Syllabus

PG DIPLOMA IN CYBER LAW
(I and II Semester)

With effect from 2025-26

PG DIPLOMA IN CYBER LAW

SEMESTER -I

Sl. No.	Subject Code	Name of the subject	Credits
1.	PGDCL101	Indian Legal System	4
2.	PGDCL102	Basic of Computer & Cyber Security	4
3.	PGDCL103	Cyber Law jurisprudence	4
4.	PGDCL104	E-Commerce Laws	4

SEMESTER- II

Sl. No.	Subject Code	Name of the subject	Credits
1.	PGDCL201	IPR in Cyber World	4
2.	PGDCL202	Artificial intelligence and the law	4
3.	PGDCL203	Cyber-Crimes	4
4.	PGDCL204	Project work	4

LEGAL SYSTEM OF INDIA

Sub Code : PGDCL101	No. of Lecturer Hours per week : 04
Total Credit = 04	Internal Assessment Marks : 30 & Exam Marks : 70 =100

Module I:

Basic principles of Law

Meaning and Definition of Law, Justice, Rights and Duties, Distinction between Law and Morality, Law and Ethics, Source of Law, Importance of Law. The concept of Justice: Corrective and Distributive Justice.

Module II:

History of Courts

The Early Stages: The Court System and its functions: Administration of Criminal and civil justice. Courts in Ancient India, British period and Post Independence. Appointment and functions of Commissions – Human Rights Commission, Women Commission,, SCs and STs Commission and Other commissions.

Module III:

Indian Judicial System

Administration of Justice: Civil Justice and Criminal Justice, Primary and Secondary functions of Courts. Need for Judicial System, Kinds of Judicial System- Judicial and Quasi judicial system (Tribunals). Judicial System-Hierarchy of Civil and Criminal Courts, High courts and Supreme Court, Jurisdiction, powers and functions of Courts. Quasi Judicial System- Need for Quasi Judicial System, Powers Functions of Quasi Judicial System, Kinds of Quasi Judicial System – Consumer Court, Labour Court, Industrial Tribunal, Tax Tribunals, Administrative Tribunals and Other Tribunals.

Module IV:

Alternative Disputes Re-dressal (ADR) Mechanisms

Importance of The different methods of ADR, Importance of ADR, Salient features of The Arbitration & Conciliation Act 1996. Mediation: Stages in Mediation, The role of the Mediators, The role of the Advocate, Code of conduct for Mediators, Qualities of a Good Mediator, Techniques of Negotiation, alternative measures for judicial reforms. Tribunals in India. Conciliation and Lok Adalath.

Module V:

Legal Aid and Lok Adalath in India

Importance of Legal Aid, Legal Aid as fundamental rights and Human Rights, Salient features of The Legal Services Authority Act 1987.

Lok-Adalath - Meaning, importance and procedures of Lok Adalath. Legal Aid - Authorities and Committees constituted under the Legal Services Authority Act 1987 for providing Legal Aid, power and functions of the Authorities and Committees, Person Eligible for Legal Aid, Procedure to get legal aid, Victims Compensations Schemes in India.

Books for reference :

- Shukla, V.N. (2013). VN Shukla's Constitution of India (12th ed.). Lucknow: Eastern Book Company. *ISBN 978-93-5028-982-2*.
- Basu, Durga Das (2007). Commentary on the Constitution of India (8th ed.). Nagpur: Wadhwa & Co. *ISBN 978-81-8038-479-0*.
- Fyzee, Asaf A.A. (2008). Outlines of Muhammadan Law (5th ed.). Delhi: *Oxford University Press. ISBN 978-0-19-569169-6*.
- Glenn, H. Patrick (2000). Legal Traditions of the World. Oxford University Press. *ISBN 0-19-876575-4*.
- Herbert Cowelle - The History and Constitution of the Courts and Legislative Authorities in India.
- Kulsreshta .V. L - Indian Legal and Constitutional History.
- N. R. Madhava Menon - History of Courts.
- Rama Jois – Indian Legal and Constitutional History.
- Sridhar Madabhushi - Alternative Dispute Resolution
- P.C. Rao - The Arbitration & Conciliation Act 1996
- Mamta Rao, Public Interest Litigation, Legal Aid and Lok Adalats (2004), Eastern Book Company, Lucknow.
- Massey I.P. – Administrative Law

BASIC OF COMPUTER & CYBER SECURITY

Sub Code : PGDCL102	No. of Lecturer Hours per week : 04
Total Credit = 04	Internal Assessment Marks : 30 & Exam Marks : 70 =100

Module I

1. History of Computers, Areas of Application
2. Computers and its components, Application Software and System Software
3. Introduction to Operating System

Module II

4. Basics of Networks and internet, Types of Networks, Definition of Cyber Security
5. Search Engines, E-mails and WWW', Internetworking Devices, Internet Service Provider, IP Address, Working of Email System, Domain Name System, Blogs, Peer to Peer sharing

Module III

6. Cryptography, type, goals, PKI
7. Digital signatures and electronic signatures, Electronic Payment system and Taxation.

Module IV

8. Computer & Cyber Security:
 - a. Types of Attacks,
 - b. Network Security
 - c. Overview of Security threats,
 - d. Hacking Techniques,
 - e. Password cracking
 - f. Insecure Network connections,
 - g. Malicious Code
 - h. Concept of Fire Wall Security

Module V

9. Email security: Web Security: web authentication, SSL and SET
10. Database Security
11. Operating System Security
12. E-commerce & M-commerce Security

13. Advance Computers, Network & Mobile Security Techniques

Reference books:

1. Sinha, Priti and Sinha, Pradeep K. (2004) Computer Fundamentals, BPB Publications
2. Seth, Karnika (2016), Computers, Internet And New Technology Laws-A Comprehensive Reference Work With Special Focus On Developments In India, Lexis Nexis
3. Paar, Christof and Pelzl, Jan (2011), Understanding Cryptography: A Textbook for Students and Practitioners, Springer
4. Halsall (2002) Multimedia Communications: Applications, Networks, Protocols and Standards, Pearson Education India

CYBER LAW JURISPRUDENCE

Sub Code : PGDCL103	No. of Lecturer Hours per week : 04
Total Credit = 04	Internal Assessment Marks : 30 & Exam Marks : 70 =100

Module I:

Computers and its Impact in Society

Computers and its Impact in Society Overview of Computer and Web, Technology, Need for Cyber Law, Cyber Jurisprudence at International and Indian Level

Module II:

UN & International Telecommunication Union

UN & International Telecommunication Union (ITU) Initiatives Council of Europe - Budapest Convention on Cybercrime Asia- Pacific Economic Cooperation (APEC) Organization for Economic Co-operation and Development (OECD) World Bank, Commonwealth of Nations.

Module III:

Constitution and Internet

Freedom of Speech and Expression in Cyberspace, Right to Access Cyberspace – Access to Internet, Right to Privacy, Right to Data Protection, other provisions related to cyber law

Module IV:

Fundamentals of Cyber Law

Outline of Legislative Framework For Cyber Law

History and Emergence of Cyber Law

Overview of IT Act, 2000

Major Amendments in Various Statutes

Data Protection Laws in India

Module V:

Jurisdiction in Cyberspace

Establishment of Personal Jurisdiction in Cyberspace

Basis of Jurisdiction and Indian Approach

Jurisdiction issues under IT Act, 2000

Traditional Principals of Jurisdiction

Extra terrestrial Jurisdiction

Jurisdiction in Trademark Disputes

Case Laws on Cyber Space Jurisdiction

References:

1. Rattan, Jyoti and Rattan, Vijay (2019) Cyber Laws & Information Technology, Bharat Law House Pvt Ltd
2. Padmavati, L. (2015) Lectures on Cyber Laws [Information Technology Act, 2000], Asia Law House
3. Gupta, Apar (2015) Commentary On Information Technology Act– With Rules, Regulations, Orders, Guidelines, Reports And Policy Documents, Lexis Nexis
4. Duggal, Pavan (2017) Cyber Law - An exhaustive section wise Commentary on the Information Technology Act along with Rules, Regulations, Policies, Notifications etc., Universal Law Publishing - an imprint of LexisNexis
5. Nappinai, N.S. (2017) Technology Laws Decoded, Lexis Nexis

E-COMMERCE LAWS

Sub Code : PGDCL104	No. of Lecturer Hours per week : 04
Total Credit = 04	Internal Assessment Marks : 30 & Exam Marks : 70 =100

Module I

1. E-Commerce v/s Traditional Commerce
2. Online business (a) Definition of E-commerce (b) Types of E-commerce (c) Important Issues in Global E-commerce (i) Issues relating to Access (to infrastructure; to contents; universal access; Digital Divide and Universal Divide); (ii) Trust, Privacy (iii) Security (iv) Consumer Protection (v) Content Regulation; Uniformity in Legal Standards pertaining to internet
3. E-Commerce Application: Advantages and Disadvantages

Module II

1. Application of conventional territory based law to E-commerce (i) Taxation (ii) Intellectual Property Rights (iii) International Trade (iv) Commercial law and standards (v) Dispute resolution
2. E-Commerce and Networking
3. Electronic Data Exchange

Module III

1. E-Commerce- Online Payment, Electronic Payment System, E-banking Disintermediation and re-intermediation, Bitcoins, Internet and Mobile Banking, Online Payment gateways (UPI and others), Electronic Cheques in India
2. Electronic Contract: The Indian Law of Contract, Types of Electronic Contracts, Construction of Electronic Contracts and Validity
3. Types of Software Contract, Software as product or service

Module IV

1. E-Commerce and E-Business models and Approaches, Business to business(B2B) Business to Customers (B2C), Customers to customers (C2C), Consumer to Business(C2B)
 - a) EDI : Concept and legal Issues.
 - b) UNCITRAL Model Law.
 - d) Cryptography Laws
- Cyber Tribunal & Appellate Tribunal
- Law related to intermediaries
- Other Cyber Regulations

Module V

E-commerce and Laws in India

- a. Digital/ Electronic Signature in Indian Laws
- b. E-Commerce; Issues and provisions in Indian Law
- c. E-Taxation issues in Cyberspace
- e. E-Contracts and its validity in India

Reference books:

1. Sharma, Pankaj (2013). Information Security and Cyber Laws, S.K. Kataria & Sons
2. Bhushan Rathore Jamshed (2017). Fundamentals of Cyber Security, BPB
3. Raef, Meeuwisse (2017). Cyber-security for Beginners, Cyber Simplicity Ltd
4. Dhawan, Nidhi (2017). A Handbook of E-commerce, Sun India Publications
5. Gupta, Pralok (2020). E-Commerce in India: Economic and Legal Perspectives, Sage Publications India Pvt. Ltd.

IPR IN CYBERSPACE

Sub Code : PGDCL201	No. of Lecturer Hours per week : 04
Total Credit = 04	Internal Assessment Marks : 30 & Exam Marks : 70 =100

Module I

1. International Conventions on Copyright, Berne Convention, Universal Copyright Convention, Rome Convention, WIPO Copyright Treaty, TRIPS agreement
2. Scope of Copyright protection in the digital environment/medium under the Copyright Act- Copyright in computer software/programmes, multimedia, Digital Music, Apps
3. Copyright Issues in Cyberspace (i) Linking (ii) Inlining (iii) Framing (iv) Protection of content on web site (v) International Treaties

Module II

1. Concept of Trademarks / in Internet Era
2. Protecting Trademarks in Digital Environment
3. International Conventions on Trademark Law
4. Jurisdiction in Trademark Disputes

Module III

1. International Conventions on Patents
2. Concept of Patent Right and Relevant Provisions in Patent Act 1970
3. Application on Patents to computer Technology and digital Environment: Business method. Patents and Software Patents

Module IV

1. IPR Issues:
 - (a) Domain Names
 - (b) Cyber Squatting
 - (c) Reverse Hijacking
 - (d) Uniform Dispute Resolution Policy
 - (e) Online Dispute Resolution

Module V

- Role of ICANN in administering the Domain Name System (DNS)
ICANN's Uniform Dispute Resolution Policy
Metatags and Key words (h) Copyright and WIPO Treaties

Patents: Technology Transfer and Cross Border Licensing

Computer Software and Related IPR Issues

REFERENCE BOOKS:

1. Text Book on Cyber Law :Pawan Duggal
2. Cyber Law- Indian And International Perspectives On Key Topics Including Data Security, E-Commerce, Cloud Computing And Cyber Crimes Hardcover – 2012 by by Aparna Viswanathan
3. Satish Chandra: Cyber Law in India, ABS Edition 1, 2017
4. Legal Framework on Electronic Commerce and Intellectual Property Rights in Cyberspace Hardcover – 2014by Duggal Pavan

ARTIFICIAL INTELLIGENCE AND THE LAW

Sub Code : PGDCL202	No. of Lecturer Hours per week : 04
Total Credit = 04	Internal Assessment Marks : 30 & Exam Marks : 70 =100

Module - I

Introduction of the Artificial Intelligence and Law

- 1.1 Introduction to machine learning, Algorithms.
- 1.2 Introduction to algorithmic discrimination.
- 1.3 History of Artificial Intelligence
- 1.4 Proposing and evaluating AI applications
- 1.5 Case study: Google Duplex

Module - II

Search and planning of AI

- 2.1 Artificial Intelligence Vs Consumer protection
- 2.2 National Security and artificial intelligence
- 2.3 Heuristic search strategies
- 2.4 Rationale, planning and scheduling of Artificial Intelligence

Module III

Legal trends in the AI industry

- 3.1 Artificial Intelligence Vs IP transactions
- 3.2 Artificial Intelligence Vs Anti-Trust aspects.
- 3.3 AI system vs financial service regulations

Module IV

Artificial Intelligence: National and International perspective

- 4.1 Need for the Model Law on Artificial Intelligence
- 4.2 Artificial Intelligence Law and its development in India.
- 4.3 Artificial Intelligence Law and its development in the United states of America.
- 4.4 Artificial Intelligence Law and its development in other jurisdictions.

Module V

Current regulation of AI in India, USA and UK

References:

1. Purvi Pokhariyal, Amit K. Kashyap and Arun B. Prasad , Artificial Intelligence: Law And Policy Implications
2. Karen Kilroy, AI and the Law
3. Mark Simon Davies, Artificial Intelligence: Law & Litigation

CYBER CRIMES

Sub Code : PGDCL203	No. of Lecturer Hours per week : 04
Total Credit = 04	Internal Assessment Marks : 30 & Exam Marks : 70 =100

Module I-

Crimes targeting Computers

Definition of Cyber Crime & Computer related crimes, Classification & Differentiation between traditional crime and cyber crimes.

- a. Data Theft
- b. Hacking
- c. Spreading Virus & Worms
- d. Phishing
- e. Cyber Stalking/Bullying
- f. Identity Theft & Impersonation
- g. Credit card & Online Banking Frauds
- h. Obscenity, Pornography & Child Pornography
- i. Cyber Defamation, Defacement,
- j. Illegal online selling & Gambling
- k. Denial of Service Attacks
- l. Cyber terrorism
- m. Software Piracy & illegal downloading

Module II-

Reasons for Cyber Crimes.

Cyber Criminal Mode and Manner of Committing Cyber Crime.

Prevention of Cyber Crimes & Frauds Critical analysis & loop holes of The IT Act,2000

Cyber Crimes : freedom of speech in cyber space & human right issues

Cyber crimes under IT Amended Act

Regulation of Cyber Crimes :

- i) Adjudicating Officer,
- ii) Appointment and Qualification,

iii) Powers of Adjudicating Officer ; and

iv) Constitution, Powers & Jurisdiction of Cyber Appellate Tribunals.

Module III-

Investigation of Cyber Crimes:

Investigation of malicious applications.

Agencies for investigation in India, their powers and their constitution as per Indian Laws

Procedures followed by First Responders; search and Seizure Procedures of Digital Evidence

Securing the Scene, Documenting the Scene, Evidence Collection and Transportation

- a. Data Acquisition
- b. Data Analysis
- c. Reporting

Module IV-

Digital Forensics

- a. Computer Forensics
- b. Mobile Forensics
- c. Forensic Tools
- d. Anti-Forensics

Electronic/Digital Evidence laws & case Laws

Impact of new criminal and evidence on IT

Module V-

International Organizations and Their Roles

- a) ICANN
- b) URDP
- c) WTO and TRIPS
- d) Interpol & Europol
- e) Impact of Cyber warfare on Privacy Identity
- f) Net Neutrality and EU Electronic communication Regulatory framework
- g) WCAG
- h) Social Networking sites Vis-a-vis Human Right

Case Laws : Indian & International Cases

References:

1. Suri, R.K. and T.N. Chhabra., “Cyber Crimes,” New Delhi Pentagon Press,2002.
2. Joga Rao, S.V., “Law of Cyber Crimes and Information Technology Law”, Wadhwa and Company, Nagpur, 1st Edition, 2004.
3. Sharma, S.R., “Dimensions of Cyber Crime”, Annual Publications Pvt. Ltd., 1st Edition, 2004.
4. Augastine, Paul T.,” Cyber Crimes and Legal Issues”,Crecent Publishing Corporation, 2007.

PROJECT WORK

Sub Code : PGDCL204	No. of Lecturer Hours per week : 04
Total Credit = 04	Internal Assessment Marks : 30 & Exam Marks : 70 =100

Guidelines for Project Work Objectives:

1. To provide an opportunity for students to apply theoretical concepts in real life situations at the work place;
2. To enable students to manage resources, work under deadlines, identify and carry out specific goal oriented tasks;
3. To enable students discover their professional strengths and weaknesses and align them with the changing social, economic and political environment;
4. To sharpen domain knowledge and provide cross functional skills.
5. To expose the students to the current methodological traditions in the various disciplines.
6. To learn apply multidisciplinary concepts, tools and techniques to solve organizational problems.
7. To understand the processes involved in the working of the various functional departments of the organization.
8. To make deliberate attempts to find answers for meaningful questions pertaining to a field of study.
9. To create awareness for searching new phenomenon or thing in a new context
10. To collect the data or facts and reaching certain conclusions either in the form solutions towards the concerned problem or for some theoretical formulation.

General Guidelines:

Nature of project work: The student will have to identify an project work in social and legal enterprise that matches the student's area of specialization. Project work is a combination of In-plant study and a research project. Students are expected to study the functioning of an organization, identify a problem area and provide suggestions to overcome the problems. No two

students of the PG-Department/College shall work on the same topic in the same organization. Students can take field based research in different sectors of the economy.

Evaluation:

The project report of a candidate shall be assessed for maximum of 100 marks [consisting of 70 marks for report evaluation by the internal and external guide and 30 marks for viva-voce examination.

There shall be double valuation; one by internal guide and second by external guide for a maximum of SEVENTY (70) marks based on parameters specified by BOS in Law.

Internal Evaluation: The internal guide shall evaluate the report for a maximum of SEVENTY (70) marks based on parameters specified by BOS in Law.

External Evaluation: An associate professor or professor level faculty member of other university shall do external evaluation for maximum of SEVENTY (70) marks.

The average of internal and external shall be arrived to award final marks for a maximum of SEVENTY (70) marks based on parameters specified by BOS in Law .

Viva-voce/Presentation: A viva-voce examination will be conducted for thirty [30] marks at the Department of Law , VSKU, Ballari and each student is expected to give a presentation of his/her work.

The Chairman of the department and an expert appointed by the BOE chairman shall conduct the viva- voce examination.

The Candidate who fails to attend and/or fulfil the requirements of the course shall not be eligible and he/she shall re-register for the course when offered.

Marks allocation for Internship report:

Evaluation by Internal Guide for 70 Marks		
Sl. No	Aspects	Marks
1	First presentation*	07
2	Second presentation*	07
3	Third presentation*	07
4	Introduction and Methodology	10
5	Profile of the study area	07
6	Theoretical Background of the Study	07
7	Data Analysis and interpretation	15
8	Summary of Findings, suggestions and Conclusion	10
Total		70
* Candidate shall submit the presentation reports to the department and should bring the same on the day of Viva-Voce examination.		

Evaluation by an External Faculty for 70 Marks		
Sl. No	Aspects	Marks
1	Introduction and Methodology	15
2	Profile of the study area	10
3	Theoretical Background of the Study	15
4	Data Analysis and interpretation	15

5	Summary of Findings, suggestions and Conclusion	15
Total		70

Viva-voce by Chairman and an Expert Drawn from Other University for 60 Marks		
Sl. No	Aspects	Marks
1	Presentation Skills	05
2	Communication Skills	05
3	Subject Knowledge	05
4	Objective of the study/Methodology	05
5	Analysis using Statistical tools and Statistical Packages	05
6	Findings and appropriate suggestions	05
Total		30