

MAHARSHI DAYANAND UNIVERSITY, ROHTAK
DEPARTMENT OF LAW

DIPLOMA
IN
CYBER LAW

Session 2020-21

Diploma in Cyber Law

Diploma in Cyber Law is 1- year postgraduate course involving issues related to the internet, communication technology, technological and electronic elements including hardware, software, computer and information systems, and their resolution.

1. Program Outcomes

PO1-Knowledge of Cyber World and Cyber Law in general

PO2-The various aspects of cyber crimes

PO3-Understanding the problems relating to e-commerce transactions

PO4-Intellectual Property issues in IT Act

PO5-International Perspective in Cyber Law

2. Eligibility

Bachelor/Master degree with at least 45% marks (42.75% marks for SC/ST/Blind/Visually and Differently Abled candidates of Haryana only) in aggregate or any other examination recognized by M.D. University, Rohtak as equivalent thereto.

3. Intake Proposed and Seat Distribution as Per Reservation Policy

Name of Programme	AIO	HOGC	SC	Deprived SC	BC (A)	BC (B)	DA/ PwD/ PH/ESM/ DFF	EWS	No. of sanctioned seats
Diploma in Cyber Law	4	12	3	2	4	3	1	1	30

Total No. of seats 30

Reservation Policy will be followed as per State Government and M.D. University Norms.

4. Proposed Fees

30,000/- for Diploma in Cyber Law

5 Scheme of the Examination

There shall be internal as well as semester end examination. The examination shall comprise of 100 marks in each course/Paper out of which 80 marks are for theory and 20 marks are for internal assessment. Internal Assessment 20 Marks (10 Marks Internal Test, 5 Marks Assignment and 5 Marks Attendance)

Note: The course comprises of Two Semesters:

Each Semester has 20 Credits.

The course comprises of Two Semesters:

Programme Structure for the Diploma in Cyber Law

Diploma Program (Both Semester 1 and Semester 2)					
Semester 1			Semester 2		
Course	Credit	Hours/Week	Course	Credit	Hours/Week
Basics of Computer, Internet and Cyber World	4	4	Cyber Security in E-Commerce	4	4
Information Technology Law	4	4	IPR in Cyber World	4	4
Cyber-Crimes	4	4	Investigation of Cyber Crimes	4	4
Internship	8	16	Project Report	8	16

Semester-I:

Sr. No.	Name of Paper	Code	Written	Internal	Total marks	Time
1.	Basics of Computer, Internet and Cyber World	20CPCL11C1	80	20	100	3 Hrs
2.	Information Technology Law	20CPCL11C2	80	20	100	3 Hrs
3.	Cyber-Crimes	20CPCL11C3	80	20	100	3 Hrs
4.	*Internship	20CPCL11C4	200 Marks (150 marks for Internship Report and 50 marks for presentation before committee)			

*The student has to undergo an internship for 15 days with the organization, advocate in the concerned field. On completion of the internship, the student has to produce a certificate from such organization or advocate or renowned person to the effect that he/she has completed the internship. The student has to prepare a detailed internship report which will carry 150 marks. The Viva-Voce Examination/Presentation of the report for 50 marks shall be conducted by a committee of three examiners.

Semester-II:

Sr. No.	Name of Paper	Code	Written	Internal	Total marks	Time
1.	Cyber Security in E-Commerce	20DPCL12C1	80	20	100	3 Hrs
2.	IPR in Cyber World	20DPCL12C2	80	20	100	3 Hrs
3.	Investigation of Cyber Crimes	20DPCL12C3	80	20	100	3 Hrs
4.	*Project Report	20DPCL12C4	200 Marks (100 marks for External and 100 marks for presentation before committee)			

*The Project report submitted by the candidates shall be sent to the external examiner for evaluation. The Viva-Voce Examination/Presentation of the report for 100 marks shall be conducted by a committee of three examiners.

6. Syllabus

Program Name	Diploma in Cyber Law	Program Code	DPCL1
Course Name	Basics of Computer, Internet and Cyber World	Course Code	20CPCL11C1
Credits	4	No. of hours/Week	4
Duration of End term examination	3 hours	Max. marks	100 Theory - 80 Marks (External) and 20 Marks (Internal)].
<p>Note: The examiner has to set a total of nine questions (two from each unit and one compulsory question consisting of short answer from all units. The candidate has to attempt one question each from each unit along the compulsory question (5 x 16 = 80 marks)</p>			
<p>Course Objectives:</p> <ol style="list-style-type: none"> 1. Acquainting the students with basics computers. 2. Understanding the uses of internet. 3. Providing extensive knowledge regarding the types of network. 4. Providing general understanding of email and domain system. 5. Providing basic knowledge about the Emerging Cyber Concepts. 			
<p>Course Outcomes:</p> <ol style="list-style-type: none"> 1. The student knows about the basic concepts relating to computers. 2. The student has elementary knowledge about computer hardware and software. 3. Knowledge of operating system. 4. Knowledge regarding types of network. 5. Awareness about emerging cyber concepts. 			
<p>Unit 1</p> <ol style="list-style-type: none"> 1. History of Computers, Areas of Application 2. Computers and its Components, Hardware, Hard disk, SD Card 3. Computer Software: Application Software and System Software 			
<p>Unit 2</p> <ol style="list-style-type: none"> 1. Concept of Operating System 2. Business Data Processing 3. Networks and internet, Types of Network. 			
<p>Unit 3</p> <ol style="list-style-type: none"> 1. Search Engines, E –mails and WWW 2. Internetworking Devices, Internet Service Provider, IP Address 3. Communication Protocols and Wireless Networks 			
<p>Unit 4</p> <ol style="list-style-type: none"> 1. Working of Email System, Domain Name, Blogs, 2. Social Media 3. Emerging Cyber Concepts: Cloud Computing 			
<p>REFERENCE READINGS:</p> <ol style="list-style-type: none"> 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, Christofand 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 5. Rao, Rega Surya (2017). Lectures on Cyber Law, Gogia Law Agency 			

Program Name	Diploma in Cyber Law	Program Code	DPCL1
Course Name	Information Technology Law	Course Code	20CPCL11C2
Credits	4	No. of hours/Week	4
Duration of End term examination	3 hours	Max. marks	100 Theory - 80 Marks (External) and 20 Marks (Internal)].

Note: The examiner has to set a total of nine questions (two from each unit and one compulsory question consisting of short answer from all units. The candidate has to attempt one question each from each unit along the compulsory question (5 x 16 = 80 marks)

Course Objectives:

1. Concepts of Technology and Law
2. Providing elementary understanding the authorities under IT Act
3. Penalties & Offences under IT Act
4. Cyber Space Jurisdiction
5. Scope of Cyber Laws.

Course Outcomes:

1. The student is able to understand the technicalities of law in Cyber World.
2. Extensive knowledge regarding jurisdictional issues in IT Act.
3. Various important national and international cyber laws.
4. Understands the scope of Cyber Law
5. The students is able to understand the basic concept of International Technology

Unit 1

1. Information Technology: Understanding the Basic concepts
2. Evolution of the IT Act 2000, Genesis and Necessity
3. Nature, Scope and Importance of IT Act

Unit 2

1. Salient features of the IT Act, 2000,
2. Electronic records and Digital Signature
3. Regulation of Certifying Authorities

Unit 3

1. Duties of Subscribers
2. The Cyber Regulation Appellate Tribunal

Unit 4

1. Offences & Penalties under IT Act
2. Investigation Officer & their power under IT Act

REFERENCE READINGS:

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

Program Name	Diploma in Cyber Law	Program Code	DPCL1
Course Name	Cyber-Crimes	Course Code	20CPCL11C3
Credits	4	No. of hours/Week	4
Duration of End term examination	3 hours	Max. marks	100 Theory - 80 Marks (External) and 20 Marks (Internal)].
Note: The examiner has to set a total of nine questions (two from each unit and one compulsory question consisting of short answer from all units. The candidate has to attempt one question each from each unit along the compulsory question (5 x 16 = 80 marks)			
Course Objectives:			
<ol style="list-style-type: none"> 1. Acquainting students with the Cyber Crimes. 2. Providing students the necessary understanding of freedom of speech in cyber space. 3. Providing the students the understanding of Issues in Internet Governance. 4. To understand the various International Organizations. 5. To understand Social Media and its Role in Cyber World. 			
Course Outcomes:			
<ol style="list-style-type: none"> 1. Understands the elements of cybercrime and how to deal with such issues with clarity in theory as well as in practical aspects. 2. The student is able to understand the Prevention of Cyber Crimes. 3. The student knows various legal provisions of cyber-crimes and the mechanism of their enforcement. 4. The student knows the essential legal provisions of internet-governance. 5. The students acquires understanding of Internet 			
Unit 1			
<ol style="list-style-type: none"> 1. Meaning of Cyber Crimes, issues and Computer related crimes 2. History, Development and Reasons for Growth of Cyber Crimes 3. Social Media and its Role in Cyber World, Fake News, Defamation 			
Unit 2			
<ol style="list-style-type: none"> 1. Prevention of Cyber Crimes 2. Critical analysis of the IT Act, 2000 3. International position on Free Speech on Internet 			
Unit 3			
<ol style="list-style-type: none"> 1. Cyber Crimes: Obscenity, Stalking, Hate Speech 2. Data Theft Hacking, Phishing 3. Sedition, Privacy, Cyber-terrorism 			
Unit 4			
<ol style="list-style-type: none"> 1. Cyber Law: International Perspective, Budapest Convention on Cyber Crime 2. Social Networking sites vis-à-vis Right to privacy 			
REFERENCE READINGS:			
<ol style="list-style-type: none"> 1. Jain, Ashok K. (2019) Cyber Law, Ascent Publication 2. Krishna, A. Gopala (2019) Cyber Crime and Cyber Laws, Prowess Publishing 3. Arora, Sushma and Arora, Raman (2018) Cyber Crimes and Laws, Taxmann 4. Indian Institute of Banking and Finance (2017) Prevention of Cyber Crimes and Fraud Management, Macmillan Publishers India Private Limited 5. Fatima, Talat (2016) Cyber Crimes, Eastern Book Company 			

Program Name	Diploma in Cyber Law	Program Code	DPCL1
Course Name	*Internship	Course Code	20CPCL11C4
Credits	8	No. of hours/Week	16
Duration of End term examination	---	Max. marks	200 Marks (150 marks for Internship Report and 50 marks for presentation before committee)

Course Objectives:

1. Acquainting student with practical aspects in the concerned field.
2. Providing student an opportunity to work with expert in the concerned field.
3. Providing student a chance to develop clarity of law in practice.
4. To make the student understand the working of the practitioners in the concerned field.
5. To make the student competent to deal the issues and problems of the victims and help them with a professional approach.

Course Outcomes:

1. The student knows about the concerned subject in practical sense.
2. The student is more efficient in dealing with problems in the area.
3. The student builds up a professional approach in helping the victims/clients.
4. The student evolves in the relevant area with complete understanding of subjects.
5. The student is more pro-active in expanding his legal and social understanding of the laws.

The candidate has to do the Internship of 15 days with any Criminal Lawyer, in SFL Madhuban, SFL Sunariyan Kalan, PGIMS, Rohtak, Karnal, Nuh and Khanpur Kalan etc. with the permission of the Head, Department of Law, MDU Rohtak. The students also submit the Internship File in the Department of Law, MDU Rohtak and the same will be evaluated by the External Examiner. The Viva-Voce Examination/Presentation of the Internship shall be conducted a committee of three members in which one should be External Examiner appointed by Dean, Faculty of Law, MDU Rohtak.

Program Name	Diploma in Cyber law	Program Code	DPCL1
Course Name	Cyber Security in E-Commerce	Course Code	20DPCL12C1
Credits	4	No. of hours/Week	4
Duration of End term examination	3 hours	Max. marks	100 Theory - 80 Marks (External) and 20 Marks (Internal)].
Note: The examiner has to set a total of nine questions (two from each unit and one compulsory question consisting of short answer from all units. The candidate has to attempt one question each from each unit along the compulsory question (5 x 16 = 80 marks)			
Course Objectives:			
<ol style="list-style-type: none"> 1. Acquainting the students with Cyber Security, Data Privacy and Data Protection. 2. Providing an elementary understanding of the Types of Security threats. 3. Providing extensive knowledge regarding, Ethical Hacking, Email security: web authentication. 4. To make the student understand the E-commerce and its application. 5. To make the student understand the Electronic Contract. 			
Course Outcomes:			
<ol style="list-style-type: none"> 1. The student understands the concept and process of cyber security. 2. The student understands the Online Dispute Resolution. 3. The student knows how to apply Network & Mobile Security Techniques. 4. The student understands issues in e-commerce. 5. The student knows about E-Commerce and E-Business-Models and Approaches. 			
Unit 1			
<ol style="list-style-type: none"> 1. Cyber Security: Meaning and Scope 2. Computer & Cyber Security: (a) Types of Attacks, (b) Types of Security threats, (c) Hacking Techniques 			
Unit 2			
<ol style="list-style-type: none"> 1. Database Security; Operating System Security 2. Advance Computers, Network & Mobile Security Techniques 3. Security issues: debit cards, credit cards, ATM, Secure Electronic Transactions 			
Unit 3			
<ol style="list-style-type: none"> 1. Online Business: Definition of E-Commerce, Types of E-Commerce, Important issues in Global E-commerce 2. Laws relating to E-Commerce, Intellectual Property Rights, International Trade Law 			
Unit 4			
<ol style="list-style-type: none"> 1. E-Commerce: E-banking, Online Payment gateways, Electronic Cheques in India 2. Electronic Contract: Meaning, Types and Formation of e-contracts 			
REFERENCE READINGS:			
<ol style="list-style-type: none"> 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. 			

Program Name	Diploma in Cyber Law	Program Code	DPCL1
Course Name	IPR in Cyber World	Course Code	20DPCL12C2
Credits	4	No. of hours/Week	4
Duration of End term examination	3 hours	Max. marks	100 Theory - 80 Marks (External) and 20 Marks (Internal)].
Note: The examiner has to set a total of nine questions (two from each unit and one compulsory question consisting of short answer from all units. The candidate has to attempt one question each from each unit along the compulsory question (5 x 16 = 80 marks)			
Course Objectives:			
<ol style="list-style-type: none"> 1. Acquainting the students with Intellectual Property Rights 2. Providing an elementary understanding of the Digital Environment 3. Providing an elementary understanding of Copyright Issues in Cyber World and Protecting Trademarks in Digital Environment. 4. Providing knowledge regarding protection of trademarks in Digital Era. 5. To understand the concepts of Patent in Cyber world. 			
Course Outcomes:			
<ol style="list-style-type: none"> 1. The student understands the scope of IPR issues in cyber world. 2. The student knows in detail about important national and international conventions. 3. The student is aware of the provisions relating to IPR in cyber world. 4. The student has a broad understanding of the application of IPR to Computer Technology 5. The student knows about the protection of Copyright in Digital Environment. 			
Unit 1			
<ol style="list-style-type: none"> 1. International Conventions on Copyright, Berne Convention, WIPO Treaty 2. Scope of Copyright protection in the digital environment 			
Unit 2			
<ol style="list-style-type: none"> 1. Concept of Trademarks in Internet Era 2. Jurisdiction in Trademark Disputes 3. Protecting Trademarks in Digital Environment 			
Unit 3			
<ol style="list-style-type: none"> 1. International Conventions on Patents 2. Provisions of Patent Act 1970 in relation to cyber world 3. Procedure of Patenting relating to digital technology 			
Unit 4			
<ol style="list-style-type: none"> 1. IPR Issues: Challenges, Settlement of Disputes 2. Uniform Dispute Resolution Policy 3. Legal framework: National & International level 			
REFERENCE READINGS:			
<ol style="list-style-type: none"> 1. Unni, V.K. (2005) Trade Mark and the Emerging Concepts of Cyber Property Rights, Eastern Law House 2. Duggal, Pavan (2014) Legal Framework on Electronic Commerce and Intellectual Property Rights in Cyberspace, Universal Law Publishing - An imprint of Lexis Nexis 3. Falls, Michaela (2011) Understanding Developments in Cyberspace Law: Leading Lawyers on Examining Privacy Issues, Addressing Security Concerns, and Responding to Recent it Trends (Inside the Minds), West Publishing Co 4. Saha, Subhasis (2012) Challenges to Intellectual Property Rights in Cyberspace, LAP Lambert Academic Publishing 5. Elkin-Koren, Niva and Salzberger, Eli M. (2004) Law, Economics and Cyberspace: The Effects of Cyberspace on the Economic Analysis of Law (New Horizons in Law and Economics series), Edward Elgar Publishing Ltd 			

Program Name	Diploma in Cyber Law	Program Code	DPCL1
Course Name	Investigation of Cyber Crimes	Course Code	20DPCL12C3
Credits	4	No. of hours/Week	4
Duration of End term examination	3 hours	Max. marks	100 Theory - 80 Marks (External) and 20 Marks (Internal)].
Note: The examiner has to set a total of nine questions (two from each unit and one compulsory question consisting of short answer from all units. The candidate has to attempt one question each from each unit along the compulsory question (5 x 16 = 80 marks)			
Course Objectives:			
<ol style="list-style-type: none"> 1. Acquainting the students with Cyber Crimes 2. Providing an elementary understanding of the Investigation of Cyber Crimes. 3. Making the student comprehend the working of various Agencies for investigation of cyber-crimes in India, 4. Making the student aware of Digital Evidences. 5. To understand the different aspects of cyber forensic. 			
Course Outcomes:			
<ol style="list-style-type: none"> 1. The student has better knowledge of Cyber Crimes. 2. The student has competence to understand the procedure of investigation of cyber crime. 3. The student knows the power and functions of investigating agency. 4. The student knows the importance of digital evidence. 5. The student has better ability and skills to deal with Cyber-Crimes. 			
Unit 1			
<ol style="list-style-type: none"> 1. Classification of Cyber Crimes: Hacking, Obscenity, Software piracy 2. Difference between traditional crimes & cyber crime 3. Factors responsible for cyber crimes 			
Unit 2			
<ol style="list-style-type: none"> 1. Cyber Criminal Mode 2. Investigation of Cyber Crimes 3. Investigation of malicious applications 			
Unit 3			
<ol style="list-style-type: none"> 1. Various agencies for investigation of cyber crimes in India 2. Powers & functions of investigating agencies 3. Procedures followed by first responders 			
Unit 4			
<ol style="list-style-type: none"> 1. Application of forensic science in cyber world 2. Forensic techniques (a) Computers Forensics (b) Mobile Forensic (c) Forensic Tools 3. Anti-Forensics 			
REFERENCE READINGS:			
<ol style="list-style-type: none"> 1. Britz (2011) Computer Forensics and Cyber Crime: An Introduction, Pearson Education India 2. Staniforth, Andrew and Akhgar, Babak (2017) Blackstone's Handbook of Cyber Crime Investigation, 3. Marcella Jr., Albert (2007) Cyber Forensics: A Field Manual for Collecting, Examining, and Preserving Evidence of Computer Crimes, Second Edition (Information Security), Auerbach Publications 4. Reyes, Anthony and Brittson, Richard (2007) Cyber Crime Investigations: Bridging the Gaps Between Security Professionals, Law Enforcement, and Prosecutors, Syngress 5. Reddy, Niranjan (2019) Practical Cyber Forensics: An Incident-Based Approach to Forensic Investigations, Apress 			

Program Name	Diploma in Cyber Law	Program Code	DPCL1
Course Name	*Project Report	Course Code	20DPCL12C4
Credits	8	No. of hours/Week	16
Duration of End term examination	----	Max. marks	200 Marks (100 marks for External and 100 marks for presentation before committee)

Course Objectives:

1. Acquainting student with research skills in the concerned field.
2. Providing student an opportunity to learn the writing skills.
3. Providing student a chance to apply the law in practice.
4. To make the student understand the major developments in the chosen area.
5. To make the student competent to document his findings and suggestions in a research project and present the same with efficiency.

Course Outcomes:

1. The student knows the programme and course subject in its practical aspect.
2. The student is more efficient in dealing with problems in the chosen field.
3. The student builds up a professional approach in presentation of the subject of research.
4. The student evolves in the relevant area with complete understanding of the topic.
5. The student is more pro-active in expanding his legal and social understanding of the laws.

The Project report submitted by the candidates shall be sent to the external examiner for evaluation. The Viva-Voce Examination/Presentation of the report shall be conducted by a committee of three examiners in which one should be external examiner constituted by Dean, Faculty of Law, MDU Rohtak.