

Notice for Certificate/Value added programs

Diploma in Cyberlaw

Session: 2023-2024

THE UNIVERSITY OF BURDWAN

DEPARTMENT OF LIFELONG LEARNING

No. BU/DLL/Advt./D.C.L/2023/1

Date: 26.07.2023

Admission Notification for Diploma in Cyber Law

(Session:2023-24)

Applications in prescribed form, on and from 27.07.2023 to 14.08.2023 are invited for admission to Diploma in Cyber Law course of studies for session 2023-24. Forms can be filled by clicking following link:

<https://docs.google.com/forms/d/e/1FAIpQLSflcCsg57LBYMUHp7rpxvh5fQHYAip3KXiRnHuK46kPenunqA/viewform>

Application Form Download Link:

<https://script.google.com/macros/s/AKfycbxKbubYnPNf8MohiodF244VIHSYJMNs0tHTXpAr2QevxTM5biq9EH02Md7OdOlqHs2/exec>

Admission Form Fill Up QR Code:



Duration	:	Two Semesters
Course Fee	:	Rs. 12,000/-
Intake	:	38 (UR-17, SC-8, ST-2, OBC(A)-4, OBC(B)-3, EWS-4)
Tentative Date for Starting of the Course	:	7 th September, 2023

Eligibility: Graduates (10+2+3) in any discipline from an UGC recognised University.

Reservation: As per Govt. rules.

A Chatterjee
Joint Director,
Deptt. of Lifelong Learning
THE UNIVERSITY OF BURDWAN
RAJBATI, BURDWAN- 713 104

INFORMATION BROCHURE

GENERAL ELIGIBILITY CRITERIA:

Eligibility: Graduates (10+2+3) in any discipline from an UGC recognised University.

PROCEDURE OF SELECTION:

STAGES OF ADMISSION:

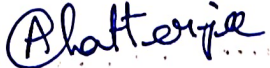
❖ The following Calendar will be followed:

Sl No.	Programme	Date
1	Submission of Online Application Form through the Burdwan University website (www.buruniv.ac.in)	27.07.2023 to 14.08.2023
2	Publication of Provisional Broad Merit List (Rank List), in the website (www.buruniv.ac.in)	21.08.2023
3	Publication of Provisional Allocation List (Phase-1) in the website (www.buruniv.ac.in)	21.08.2023
4	Document Verification and Admission for the Provisionally Allocated (Phase-1) candidates	22.08.2023 to 25.08.2023
7	Publication of Provisional Allocation List (Phase-2) in the website (www.buruniv.ac.in)	28.08.2023
9	Document Verification and Admission for the Provisionally Allocated (Phase-2) candidates	31.08.2023 to 05.09.2023

For Schedule Caste & Schedule Tribes Candidates:

Reservation for SC/ST candidates for admission will be as per reservation rules vide Govt. Order No.: **07-Edn (U)/1U-89/13.- dated. 2nd January, 2014** "for admission to different courses, an SC or ST candidate getting admission should have obtained in the previous examination; qualifying marks not lower by more than 25% of the marks obtained by the last candidate of the general category." Relevant Certificate must conform to West Bengal Govt. Memo No. 1813-BCW/MR-94/11 dated 20th June, 2011. Candidates claiming reservation against SC/ST and OBC-A/OBC-B (relevant certificate is required) quota of seats must submit relevant caste certificates issued in their favour by one of the authorities listed below:

- Deputy Collector of Land Revenue,
- Kolkata Collector of Stamp Revenue,
- Kolkata Metropolitan Magistrate, Kolkata,
- Addl. Chief Metropolitan Magistrate, Kolkata,
- Chief Metropolitan Magistrate, Kolkata,
- 1st Class Stipendiary Magistrate,
- Executive Magistrate,


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- Sub-Divisional Magistrate,
- Sub-Divisional Officer,
- Deputy Collector,
- Addl. District Magistrate,
- Collector and District Magistrate within their respective jurisdictions in case of candidates claiming to be Schedule Caste or Schedule Tribe and ordinarily residing within such jurisdictions.

For OBC-A & OBC-B Candidates:

Reservation for OBC-A/OBC-B candidates for admission will be as per reservation rules vide Govt. Order No.: **07-Edn (U)/1U-89/13.- dated. 2nd January, 2014** "for admission to different courses, an OBCA or OBCB candidate getting admission should have obtained in the previous examination; qualifying marks not lower by more than 10% of the marks obtained by the last candidate of the general category.". The West Bengal Higher Educational Institutions (The Reservation in Admissions) Act, 2013 enacted by Govt. of West Bengal has opened the opportunity for the students belonging to OBC-A and OBC-B (as determined and notified by Backward Classes Welfare Department, Govt. of West Bengal) for reservation of seats in higher education in the state. The communities listed by the Department of Backward Classes Welfare, Govt. of West Bengal as OBC-A and OBC-B would get the benefit of reservation.

For EWS Candidates:

Reservation for EWS candidates for admission will be as per reservation rules vide Govt. Order No. 325-PAR(AR)/3P-1/2019 dated 09/07/2019.

SELECTION CRITERIA:

- ❖ Selection will be made on the basis of percentage of marks obtain in the UG examination. If two or more candidates secure same marks in UG examinations then the selection will be made on the basis of PG examination marks. If they secure same marks in PG examinations then the selection will be made on the basis of H.S. (10+2) examination marks. If they secure same marks in H.S. (10+2) examinations then the selection will be made on the basis of M.P. (10) examination marks.

ABC ID:

- ❖ ABC ID is mandatory field in admission form as per UGC order D.O. No. F. 1-50/2021(ABC/NAD) dated 21st February, 2023.



Director

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Joi:t Director,
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Course modules and outcomes

DIPLOMA IN CYBER LAW

COURSE OUTLINE

Sl.No	Course Code	Name of the Course	L	T	P	Credits
SEMESTER I						
1	DCL 101	Basics of Internet	3	1		4
2	DCL 102	Law and Internet	3	1		4
3	DCL 103	IT Law	3	1		4
4	DCL 104	Internet Crime & Protection	3	1		4
5	DCL 105	Term Paper	1		6	4
TOTAL CREDIT						20
SEMESTER II						
1	DCL 201	Network Security	3	1		4
2	DCL 202	Intellectual Property Rights & Cyber Protection	3	1		4
3	DCL 203	E Governance & Regulations	3	1		4
4	DCL 204	E Commerce & Cyber Crime	3	1		4
5	DCL 205	Term Paper	1		6	4
TOTAL CREDIT						20

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SEMESTER-I

PAPER DCL 101 : BASIC OF INTERNET (Credit – 4)**[48 Hours]**

- Basic Computer architecture, Computer Data Ports: Printer, Serial Port, RJ11, RJ45, USB, Software: System Software, Application Software, Open Source Software, Concept of Computer Virus, Malwares, Spywares, Antivirus Tools
- Computer Networks: Need, advantages, topologies, security issues, Need for larger networks
- Internet: Concept, History – NPL Network, ARPANet, UUCP and UseNet, NSFNet, CERN Network, World Wide Web, Global Internet, Internet implementation over the continents
- Internet architecture (Backbone, national, regional and local networks); Traffic Routing over the Basic Concepts on Transmission Control Protocol (TCP) and Internet Protocol (IP), Domain Name Systems (DNS), Domain Name Space and Domain Name Architecture, IP4 Address, Major Internet Domains, Hyper Text Transfer Protocol (HTTP), File Transfer Protocol (FTP), Universal Datagram Protocol (UDP). Routing protocols.
- Features of Internet, Services provided by Internet (File transfer, Email, Common Internet browsers, Advantages of Internet; Internet Service Providers (ISP) and tasks performed by ISPs, Internet Access methods- Dial Up, Broadband LAN, Internet over Cable TV, Wireless over Cellular Network, Satellite Based Internet
- Setting up of Internet in PC and Basic security aspects, Cyber Security for common Computer use, Identity and Financial Information protection, Good Practices for common Internet users, Case studies

[Pattern of Question:


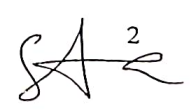


2 marks x 5 Questions (5 questions out of 7) = 10 marks

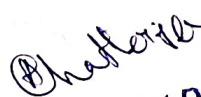
5 marks x 4 Questions (4 questions out of 6) = 20 marks

10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 102 : LAW AND INTERNET (Credit – 4)**[48 Hours]**

- Meaning and Basics of Law:
- Object and definition of Law, fundamentals of formation and discharge of contract, Concept of crime and its essentials (including mensrea and actus reus), Fundamental features of Intellectual Property and its types.
- Overview of Cyber Law:
- Introduction to Cyber space, Scope of Cyber laws (e-commerce, online contracts, IPRs and Cyber laws (copyright, trademarks, software patenting), e-taxation, e-governance, etc
- Regulatory Framework:
- International Legal Regime: European Convention on Cyber Crimes, Hague Convention on Jurisdiction and Foreign Judgments: Jurisdiction Agreement
- IPR issues: Copyright issues (Linking, Inlining, Framing), Trademark issues (Domain Name Dispute, Cybersquatting, Uniform Dispute Resolution Policy, Meta Tags and Key words), Computer software and IPR issues


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- Jurisdictional aspects in Cyber Law: Issues of jurisdiction in cyberspace, Types of jurisdiction, Prerequisites of jurisdiction, The tests involved (Minimum contact theory, Sliding Scale Theory, Effects Test and International targeting), Jurisdiction under IT Act, 2000
- Cyber Law in India: Information Technology Act, 2000 (with upto date amendments): Digital Signature, E-Governance, Certifying Authority, Duties of subscriber, Penalties and Adjudication, offences under the Act.

[Pattern of Question:

2 marks x 5 Questions (5 questions out of 7) = 10 marks

5 marks x 4 Questions (4 questions out of 6) = 20 marks

10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 103: IT LAW (Credit - 4) [48 Hours]

- Introduction to IT Law; Evolution of IT Law.
- Regulatory Framework of Information and Technology Act
- Digital Signature; E-Signature; Electronic Records; Electronic Evidence and Electronic Governance..
- Controller & Certifying Authority.
- Cyber Appellate Tribunal.
- Network and Network Security, Access and Unauthorized Access, Data Security, E Contracts and E Forms.
- Offences and Penalties Information Technology (Amendment) Act 2008; Objective, Applicability and Jurisdiction; Various Cyber-Crimes under Sections 43 (a) to (j), 43A, 65, 66, 66A to 66F, 67, 67A, 67B, 70, 70A, 70B, 80 etc. along with respective Penalties, Punishment and Fines.
- Penal Provisions for Phishing, Spam, Virus, Worms, Malware, Hacking, Trespass and Stalking; Human Rights in Cyberspace.
- International Co-operation in Investigating Cybercrimes.

[Pattern of Question:

2 marks x 5 Questions (5 questions out of 7) = 10 marks

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10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 104: INTERNET CRIME & PROTECTION (Credit - 4) [48 Hours]

- Introduction of Internet and Crime.
- Concept of Internet Crime; Features of Internet Crime; Comparison with other Crime;
- Internet Crimes; Tempering with Computer Source Code; Hacking; Obscenity; Misrepresentation; Breach of Trust; Pornography; Child Pornography; Cyber Squatting, Cyber Espionage, Cyber Warfare, Defamation; Cyber Defamation; Data Theft; Identity Theft; Fraud; Criminal Trespass; Criminal Mischief; Computer Fraud and Abuse; Computer Misuse;
- Computer Evidence; Computer Forensic;
- Liability of Internet Service Provider
- Remedies against Internet Crime.
- Configuring firewall.
- Social Media; Online Safety for Women and Children on Online; Misuse of Private Information
- Landmark Cases relating to Internet Crime.

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[Pattern of Question:
2 marks x 5 Questions (5 questions out of 7) = 10 marks
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10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 105: TERM PAPER

[60 Hours]

To be allotted by the teacher and conducted under the guidance of a teacher.

Marks distribution of Term End Project Report/ Term Paper:

Project Report : 50 Marks
Presentation : 25 Marks
Viva : 25 Marks

The Project Report shall be of 10000 words and shall be evaluated on the basis of 50 marks (Contents 30 marks; Research and Methodology 10 marks; Language 10 marks) AND the presentation of project shall be evaluated on the basis of 25 marks (Contents 15 marks, Articulation 5 marks; and Response to questions 5 marks).

SEMESTER- II

PAPER DCL 201: NETWORK SECURITY (Credit - 4)

[48 Hours]

- **Computer & Cyber Security:** Types of Attacks, Network Security, Services and Mechanisms, Overview of Security threats, Hacking Techniques, Password cracking , Insecure Network connections, Brief history of cryptography.
- **Symmetric Ciphers:** Substitution & Transposition Techniques, Block Cipher, DES, Triple DES, Stream Ciphers, RC4.
- **Public Key Cryptography:** Need and Principles of Public Key Cryptosystems, RSA Algorithm, Key Distribution and Management, Diffie-Hellman Key Exchange, Digital Signatures.
- **Authentication:** Authentication Requirements, Message Authentication Codes, Hashes, MD5 & SHA, Digital Certificate. User Authentication: Password, Certificate based & Biometric Authentication, Kerberos.
- **Network Security:** Firewalls, IP Security, VPN. Intrusion Detection, Web Security, SSL, TLS.

[Pattern of Question:
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PAPER DCL 202: INTELLECTUAL PROPERTY RIGHTS & CYBER PROTECTION (Credit - 4)
[48 Hours]

- Introduction to IPR, Introduction to rights, Property and meaning of Intellectual in IPR,

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Defining IPR, Kinds of IPRs and their duration, Rights granted by IP, The origin of Intellectual Property, and Growth of Intellectual Property.

- Patents- Trips Definition. kind of inventions protected by patent-Patentable and Non patentable inventions, Patent application process: Searching a patent- Drafting of a patent- Filing of a patent- Types of patent applications- Patent document: specification and claims.
- Trademarks- Rights of trademark- kind of signs used as trademarks-types. purpose and functions of a trademark, trademark protection.
- Copyrights- Introduction, Origin and evolution of Copyright, Copyright in India.
- Geographical Indication of Goods: Types, why and how GI need protection and GI laws, Indian GI act.
- Introduction and protection of Industrial Design
- Technological and Legal Developments in Intellectual Property
- Computer Programs: Brief History of the Protection of Computer Programs. Protection of Computer Programs under Patents or under Copyright. International Norms Concerning Copyright Protection of Computer Programs, National Legislation on the Protection of Computer Programs, Creation and Use of Works by Means of Computers, Data Protection Law In Respect of Information Technology Enabled Services. cyber security strategies-IT law, cyber squatting- Domain names

[Pattern of Question:

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PAPER DCL 203: E-GOVERNANCE AND REGULATIONS (Credit - 4) [48 Hours]

- **Introduction to E-Governance :** Concept of e-Governance, Definition of e Governance ,Benefits, and Limitation of e- Governance, Types of e Governance Services (G2C, G2B, G2B)
- **Current Trends and Practices of e- Governance:** e-Transformation, Whole of Government Perspectives, Citizen-Centric Approach, e-Inclusion, e-Leadership,

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and Change Management, Need for Process re-engineering, Secured Digital Identification.

- **Managing e- Governance:** Approaches to managing e- Governance System, Selection of suitable Approach, Key Performance Indicators for e- Governance Systems, Management of Public Data.
- **Technology and standards for e- Governance:** Enterprise Architecture, Service Oriented Architecture, Enterprise Service Bus, Security Architecture and Standards, Common Authentication Systems, Datacenters, Cloud Computing, Open Standards, Cryptography, and PKI (Public Key Infrastructure).

[Pattern of Question:
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 10 marks x 4 Questions (4 questions out of 6) = 40 marks]

PAPER DCL 204: E-COMMERCE & CYBER CRIME (Credit - 4) [48 Hours]

- Introduction to E-Commerce and Cyber Crime; Concept and Practicability in India
- E-Commerce; Issues and Legal Provisions in India;
- Digital Signature and Electronic Signature in India
- E-Contracts and its validity in India
- E-Taxation Issues in Cyberspace and E-filing and Assessment
- Cyber Appellate Tribunal;
- Offence Relating to E-Commerce and Cyber Regulations of E-Commerce
- Cyber Space Jurisdiction; Jurisdiction Issues under IT Act, 2000; Traditional Principals of Jurisdiction; Extra-Territorial Jurisdiction; Case Laws on Cyber Space Jurisdiction
- Landmark Cases relating to E-Commerce.

[Pattern of Question:
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PAPER DCL 205: TERM PAPER*To be allotted by the teacher and conducted under the guidance of a teacher.***[60 Hours]**

Marks distribution of Term End Project Report/ Term Paper:

Project Report : 50 Marks

Presentation : 25 Marks

Viva : 25 Marks

The Project Report shall be of 10000 words and shall be evaluated on the basis of 50 marks (Contents 30 marks; Research and Methodology 10 marks; Language 10 marks) AND the presentation of project shall be evaluated on the basis of 25 marks (Contents 15 marks, Articulation 5 marks; and Response to questions 5 marks).









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