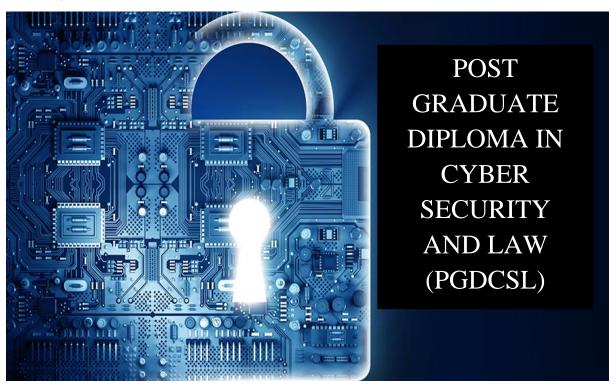# INSTITUTE OF CYBER SECURITY AND LAW

Office of Institute of Cyber Security and Law (ICSL), G-2, Ground Floor, Rugby Sevens Building, University Stadium, University of Delhi, Delhi – 110007. (Entry from Gate No. 2), North Campus

Venue for the Course PGDCSL: Shaheed Sukhdev College of Business Studies, University of Delhi, K N Katju Marg, Sector – 16, PSP Area – IV, Rohini, Delhi - 110089

POST GRADUATE DIPLOMA IN CYBER SECURITY AND LAW (PGDCSL)

Message from the Vice Chancellor

It is indeed a matter of happiness that the Institute of Cyber Security and Law has come up under the aegis of the University of Delhi. Cyber security is amongst the niche area of specialization in contemporary world. There is a compelling need for professionals empowered to develop defence mechanisms for cyber security and contribute to development and growth of professionals in the sector of cyber security. With this endeavour, we at the University of Delhi intend to bring the accomplished professionals in the domain of cyber security and law to the process of development of expertise and skills of young people in this field. The post graduate diploma in cyber security and law has been designed by the experts · having rich experience in this field. The whole program has been envisaged as an advanced cyber security course to prepare best of professionals for the global society.

I convey my best wishes to the Institute and its faculty, associates and partners and, most important, the students who will make it a grand success and contribute to the needs ofthe corporate world, society, nation and the global society.

(Prof Yogesh Tyagi)

Message from Officer on Special Duty

We at University of Delhi thrive to enable ourselves and our students to cater the future needs of the society and nation. The legacy of University of Delhi makes it imperative for us to deliver long lasting solutions for social, national or in fact global problem of cyber security. The present needs of the society as well as the future envisioned accentuate the dire need of professionals in the domain of cyber security and law. It gives me immense pleasure to share that this unique Post Graduate Diploma in Cyber Security and Law would be conferred under the aegis of University of Delhi. This diploma program has a blend of cyber security and cyber law for holistic learning of students.

The connoisseurs of cyber security with rich experience as academicians, industry experts, cyber law and cyber security experts have been instrumental in the creation of this diploma program. The pioneers of the industry have facilitated the designing of this course to make it most comprehensive and carve the professionals of cyber security. The course provides rigorous sessions of hands on practical to empower an individual with thorough knowledge in a simplified and easily graspable manner.

I welcome all stakeholders towards a journey to bring more resilient systems and structure in cyber space and contribute to the needs of the Indian Inc and the nation at large.

Dr Sunaina Kanojia

OSD, ICSL

An eligible applicant for the ICSL academic session 2019-20 must familiarize themselves with the contents of this Bulletin of Information.

• www.admissions.du.ac.in

• University reserves the rights to revise, amend, update, or delete any part of this Bulletin without giving any prior notice. Any change so made shall be updated on the Admission portal.

• University reserves the rights to revise, amend, or update the number of seats in ICSL without giving any prior notice. Any change so made shall be updated on the Admission portal.

About the Institute

The Institute of cyber security and law has been envisaged to nurture the young talent in the niche domain of cyber security and law. The institute aspire to work for development of safe cyber security environment and secure systems and promote ethical conduct amongst the cyber security professionals. It would be working towards empowerment of individuals in the cyber space and to promote cyber etiquettes. The institute would prepare professionals equipped to identify and handle vulnerabilities in a computer, system, network, or any other communication network of any kind used by an organisation or individuals in the cyber space.

About the Program

Cyber-security is a niche subject of modern studies. It requires great amount of passion, training and research on day to day basis to emerge as a professional. This is an advanced Penetration Testing & Information Security Training Engineering Program. The course provides an intensive training which will empower an individual with practical knowledge in a simplified and easily graspable manner. In the course, students will learn how hackers break into the system's, network, mobiles and website so as to make them aware of the possible loopholes and therefore, making them proficient in reverse-penetration. By doing so, students can create a virtual wall between company's data and the hackers. This course attempts to

enable students to carry out defensive methodologies which will help an individual or an organization to not only protect but also assess the safety and vulnerability ratio for their cyber space. The program is delivered by the industry experts who are working in different domains of Cyber Security.

SEMESTER 1						
Papers		Hours For lectures & labs	Total Marks	Marks		
Paper No.	Title			Internal Assessment	Practical	Written Exam
1	Fundamentals of Computer Security	60 lectures	100	20	40	40
2	Networking Basics and Network Security	60 lectures	100	20	40	40
3	Fundamentals of Web Designing & Web Application Security	60 lectures	100	20	40	40
4	Cryptography	60 lectures	100	20	40	40
5	Cloud Fundamentals and Cloud Security	60 lectures	100	20	40	40
6	Project 1	4 weeks	100			
SEMESTER 2						
1	Mobile Eco System Security	60 lectures	100	20	40	40
2	Internet of Things Security	60 lectures	100	20	40	40
3	Supervisory Control and Data Acquisition (SCADA) System and Information Hiding Techniques	60 lectures	100	20	40	40
4	Cyber Law & Forensics	60 lectures	100	20	40	40
5	Information Security Compliance Management	60 lectures	100	20	40	40
6	Project 2 + Internship	8 weeks	100			

Course Structure

The curriculum has been designed keeping in mind the need of the industry and the nation. The best of the experts working in the field of cyber security as academicians, industry experts, cyber law and cyber security experts have facilitated the designing of this course to make it most comprehensive and carve the connoisseurs of cyber security.

Venue of Classes: The course shall be conducted and disseminated from Shaheed Sukhdev College of Business Studies, University of Delhi, K N Katju Marg, Sector – 16, PSP Area – IV, Rohini, Delhi - 110089. The College shall provide all facilities of audio-

video equipped classroom, library, cafeteria, auditorium, cyber security laboratory, hostel etc.

Scheme of Examination

English shall be the medium of instruction and examination. Examinations shall be conducted at the end of each Semester as per the Academic Calendar notified by the University of Delhi. The system of evaluation shall be as follows:

Each paper will carry 100 marks, of which 20 marks shall be for internal assessment based on a combination of classroom participation, project work, seminar, term papers, tests, and attendance. The weight age given to each of these components in a combination shall be decided and announced at the beginning of the semester in consultation with the faculty of the concerned paper. The system so decided will be communicated by the Institute for Cyber Security and Laws.

The remaining 80 marks in each paper shall be awarded on the basis of a practical and written examination of 40 marks each at the end of each semester.

Pass Percentage & Promotion Criteria

The minimum marks required to pass any paper in a semester shall be 50% in each paper and 50% in aggregate of a semester.

Semester to Semester Promotion: Students shall be required to fulfil the Part to Part promotion criteria. Students shall be allowed to be promoted from semester I to semester II, provided s/he has passed at least 60 per cent of the papers in the course of the current semester including project.

Division Criteria

Successful candidates will be classified on the basis of the combined results of Semester -I and Semester –II examinations as follows:

Candidates securing 60% and above: I Division

Candidates securing 50% or more but less than 60%: II Division

Attendance Requirement

Attendance in lectures, tutorials, seminars etc. arranged by the Institute for Cyber Security and Laws from time to time, is mandatory according to the Internal Assessment requirement as per University rules. The marks for attendance shall be awarded on the basis of existing norms as per the Internal Assessment Scheme of University of Delhi.

Exam Duration

As per guidelines issued by University of Delhi.

Duration Of Course: 1 year.
Span Of Course: 2 years.

SESSION DURATION		
	SEMESTER 1	SEMESTER 2
Course	15 weeks	15 weeks
Project	4 weeks	8 weeks
Exams	1 week	1 week
Total Academic course duration - 42 weeks excluding examination		

Note: Diploma Certificate will be issued to participants only after clearing final examination of both the semesters conducted the end of the final semester.

Admission Requirements and Eligibility

Qualifying examination for the purpose of Admission to the Post Graduate Diploma in Cyber Security and Law shall be minimum "Passed Graduation or above in Science or Technology with following papers:

> Programming,
> Networking,
> Database management

Operating Systems

Data Structure

The admissions shall be based on the merit drawn based on the marks obtained in graduation and personal interview. The admission process shall be in following stages:

STAGE I: The merit list, for admission shall be determined on the basis of marks obtained in the qualifying examination.

STAGE II: The candidates shall be called for Personal Interview on the basis of merit drawn as prescribed in stage I.

STAGE III: A combined merit on the basis of 85% from Stage I and 15 % from Stage II shall be drawn. Admissions shall be based in the order of combined merit.

Note: Candidates appearing in the final year examination of Bachelor's degree are eligible to apply. If selected, candidates will be eligible for admission only when they submit the result meeting the minimum eligibility criteria at the time of final admission, as per University Rules.

NUMBER OF SEATS

Admission will be offered on 56 seats in the course. The number of seats reserved under EWS, OBC, SC & ST Categories shall be as per the proportionate reservation as provided under University rules..i.e. as per rule for EWS, 27% for OBC, 15% for SC and 7.5% for ST. CW and PWD shall be supernumerary as per University rules.

Note: The eligibility condition under various Reserved Categories shall be as per the University rules announced for Post Graduate admissions 2019.

APPLICATION FEE (Non-Refundable)

INR 2000 for Un-reserved category and OBC,
INR 1500 for reserved categories EWS/SC/ST/PwD/CW

Fee Structure

This course is a self-financing course with detailed fee details given below:

Fee Structure for Post Graduate Diploma in Cyber Security & Law		
	Semester I	**Semester II**
Semester Fee*	INR 34,900	INR 30,500
Total Fees of the Course	**INR 65,400**	
* Fee is excluding examination fee, which will be charged at the time of examination as per University Rules		
** Caution deposit of INR 10,000 would be submitted at the beginning of the semester and refunded after the completion of the course		

Caution Deposit of INR 10,000 needs to be paid in the beginning of the first semester and will be refunded after the completion of the course.

Note

1) Foreign students need to pay additional fee as per existing University rules.

2) Fee for PwD students will be in accordance with the rules of the University of Delhi.

a) **Important Information**

Candidates will be required to register online- URL: http://pg.du.ac.in/app/

1.1 Dates at a Glance

Start date for Online Registration :
Closing date for Online Registration :
Tentative Date of Announcement of list of candidates to be called

for Interview:

Tentative Date of holding interviews:

Tentative Date of Announcement of List of Selected Candidates:

on or before

*Dates are tentative subject to change.

1.1.1. Registration Fee is Non-Refundable

Registration fee for UR/OBC : Rs.2000.00

Registration fee for EWS/SC/ST /PwD/CW : Rs.1500.00

9

1.1.2. Payment of Registration Fee:

(i)   Registration fee has to be paid during online registration process through any one of the available online payment options.

(ii)   It may be noted that the registration process shall be completed only after realization of the online registration fee.

(iii)   Registration fee will not be refunded/adjusted in any circumstances.

For specific queries, please contact:

Dr. Sunaina Kanojia, Officer on Special Duty,

Institute of Cyber Security and Law (ICSL). Email: osd@icsl.du.ac.in

Principal, Shaheed Sukhdev College of Business Studies, (SSCBS)

cbc@sscbsdu.ac.in

Program Coordinator: Dr. Ajay Jaiswal, SSCBS, **Mob:** 9911103504**: Email: ajayjaiswal@sscbsdu.ac.in**

Mr Chetan : Office In-Charge, ICSL, 9818701190, office@icsl.du.ac.in

Note: The numbers of the University employees given here are personal, they shall only be contacted between 09:30 AM to 05:30 PM from Monday to Friday.

After submission of the registration form, corrections, additions, deletions etc. in any manner shall be governed as per University Admission rules. The candidates are, therefore, advised to fill their forms carefully after reading the eligibility conditions of PGDCSL. No refund of fee if candidate who are not eligible have applied, the application shall not be considered from those who do not qualify the eligibility criteria.

2. Interview/Group Discussion, if any

The list of eligible candidates and dates of the interview/group-discussion shall be notified on the ICSL website: icsl.du.ac.in. The candidates are advised to keep a regular check on the website www.icsl.du.ac.in for details.

3 Intimation regarding Admission

b)   Only candidates having results of qualifying degree shall be considered to draw the final list of selected candidates.

c)   Selected applicants are required to furnish the necessary documents at the time of admission. Admission fee for the list of selected candidates shall be paid by the date notified to confirm the admission.

d)   Information regarding subsequent lists of selected candidates, if any, shall be notified on the PG admission portal and website of ICSL.

e)   For all the news and updates related to PG admissions, visit PG admission portal.

   4. Facilities at Shaheed Sukhdev College of Business Studies (SSCBS)

A strong infrastructure base is imperative for providing a learning environment of international standards. We have taken some concrete steps towards providing the same.

The college has a well-equipped Audio Visual Hall and Conference Room with modern teaching aids such as LCD projector, overhead projector, personal address and conference system. The A/V Room is used for presentations and guest lectures of the College alumni and Various Corporate executives all aimed at the purpose of enriching the students with the latest knowledge and giving them a platform for voicing their doubts and concerns about the topic in question. Each classroom is equipped with its own overhead projector. The college has a 82.5 KVA generator set to ensure un-

interrupted power supply. It also possesses a 35 seated bus which is used for the transportation of students for industrial visits and various inter college competitions. Shaheed Sukhdev college of business studies is well equipped with the infrastructure facilities including library, Hostel, Seminar Hall, Auditorium, and dedicated State of Art Laboratory equipped class room for Post Graduate Diploma in Cyber Security and Law. For more information please visit: www.icsl.du.ac.in

5. Frequently Asked Questions (FAQs)

Q: *Is the online registration mandatory for all the candidates applying for the PG/Master's admission?*

A: YES, online registration is mandatory for *ALL* the candidates applying for the postgraduate/Master's courses (listed in this Bulletin) in the University of Delhi.

Q: *I wish to seek admission only through the Direct (Merit) category. Do I need to apply through online registration? Am I expected to pay the Registration fee?*

A: YES, online registration is mandatory for *ALL* the candidates applying for the postgraduate/Master's courses in the University of Delhi, irrespective of the mode of intake. You have to pay the Registration fee as well.

Q: *I would like to change my "Applicant's details", which I filled during the "New User registration". Can I do that?*

A: No, you cannot change that information later on. Be careful in filling the registration form.

Q: *Can I submit the fee through any other method, like demand draft etc?*

A: No, the registration fee is accepted only through the online payment options available in the registration portal.

Q: *My internet got disconnected while filling the form. What should I do?*

A: When you get the internet connection, login again with your credentials and fill the information again.

Q: *How can I correct my mistake in the registration form? I have uploaded the wrong Photo/ID Proof/ Signature,*

A: No modifications in the form are allowed once fee payment is made. Before making the online payment, you can edit your registration form.

Q: *How can I apply in multiple courses? Do I need to make payment for other courses separately?*

A: After completing your application for one course, you can apply in another course using "Apply Now" button on your home area. You need to pay registration fee separately for each of the applied courses.

Q: Can two candidates apply from the same account?

A: No, only a single candidate can apply from an account for PG Admissions.

Q: Do I need to send a Hard Copy of the form?

A: No, you don't have to send a Hard Copy of the form. If required, you will be notified.

Q: *How can I upload a self-attested ID Proof?*

A: 1. Take a photocopy of your ID proof.

2. Self attest it.

3. Scan it and upload.

Q: *Will registration fee be refunded or adjusted, if I change my category or found not eligible?*

A: The registration fee is mandatory for all categories and will not be refunded or adjusted in any circumstances. In case, the applicant changes the category from Unreserved to SC/ST/PwD after the registration fee has been paid, it will not be adjusted.

Q: *Which are the mandatory fields in the application?*

A: Mandatory fields are indicated by a red star (*) adjacent to the name of the fields. The applicant must fill the relevant information in these fields to complete the registration.

Q: *In online portal, I have created my account and filled my registration form. Can I use the same account to fill the registration form for my friend?*

A: No, only a single candidate can apply from only one account for UG Admissions. Each applicant/candidate must create a separate account and fill the separate online registration form.

Q: If I have not passed any one of the paper listed in the eligibility criteria but studied them, will I be considered for admission?

A: To be eligible pass in all five papers listed in the eligibility is necessary.

Q: I have just secured passing marks in the five papers listed in the eligibility criteria and passed the graduation in science with 45% marks, am I eligible?

A: Yes, for stage II of admission process.

Q: I have studied the five papers listed in the eligibility in my maters program but not in graduation, am I eligible?

A: Yes, for Stage II.