

**The Center for Cyber Security and Cryptology (CCSC),  
Sharda University is going to organize**

**One-Week Training Program on**

# **FUNDAMENTALS OF ADVANCED CYBER SECURITY (FACS)**

**6<sup>th</sup> to 10<sup>th</sup> January, 2025**

## About Sharda University

Sharda University is a leading Educational Institution, NAAC A+ graded and has NIRF ranking of 87, located at Greater Noida, Delhi NCR. It is a venture of the renowned Sharda Group of Institutions (SGI), the University has established itself as a high-quality education provider with prime focus on holistic learning and imbuing competitive abilities in students. The University is approved by UGC and prides itself in being the only multi-discipline campus in the NCR, spread over 63 acres and equipped with world class facilities. There are 14 different schools offering 130 programs with more than 13000 students from 95 different countries. Sharda University promises to become one of the India's leading universities with an acknowledged reputation for excellence in research and teaching.

## About the Center for Cyber Security and Cryptology

The Center aims at the promotion of interdisciplinary research as well as training and development in cryptology and cyber security. The center acts as a hub for all cyber security requirements, cutting-edge research activities to furtherance of knowledge for present and future requirements to fulfill the growing demand in the national and international arena. The goal of this Center is primarily to foster fundamental as well as demand-driven "research and applications in cryptology and cyber security". The objectives are to create skilled man power base and to provide training and direction to various wings of Armed Forces, Central and State Police Organizations and also financial institutions. Another major objective of the Centre is capacity building at the national level to make the country self-sufficient in this niche area.

## About the Training Program:

### Objective

The aim of this training program is to prepare people for cyber security skills which would range from fundamental to industrial level professional concepts. The training would also provide insight into recent Tactics, Techniques and Procedures (TTPs) in the realms of Cyber Security for preserving data and asset of the organization as well as individuals. Moreover, it would also enrich people with the current as well as advanced Common Vulnerability Exposure (CVEs) including proliferation of Malicious Code (Malware, Ransomware), Digital Arrest strategies, Cyber-kill-Chain, Supply Chain Attack, strategies of Artificial Intelligence (AI) based Social Engineering Attack as well as investigating the crime beyond the TOR and VPN. The training would also simulate Advanced Phishing Attacks, lateral movement of the Malware including Dark pattern of the cybersecurity. It would also provide insight in Governance Risk & Compliance (GRC) strategies that would not only include the generic one rather it would also deliver Third Party Risk Management (TPRM) as the corporate and business is heading towards Cloud or Third-Party Vendor-based services.

The Training will make the trainee capable of developing skill that would be essential to protect National Critical Infrastructure

## Scope of the Training Program

Cyber security deals with safeguarding of Digital Assets, Physical Systems and other Computational Resources which has the capability to compute and store data. The scope of this training is not confined to one domain of Cyber Security rather it dwells into its various domains which includes Vulnerability Assessment and Penetration Testing (VAPT), Digital Forensics, Malware Analysis, Governance Risk & Compliance (GRC), Exploit, Cyber Threat Intelligence (CTI) and various others. The scope of training traverses from zenith to nadir of Cyber crime in various forms, where Digital Arrest, Dark Patterns, Switch and Bait are few named here but have much more in the training. The scope of audience would include people from Academia, Law Enforcement, Corporates, NGOs who are serving to the society against cyber crime. The training would also highlight the key-takeaways which would not only help individual to protect their organization rather they would help to protect their parents, children and their loved ones from the traditional and advanced AI-based Cyber-Attacks.





## Eligibility

Faculty Members, Research Scholars and UG and PG Students of Academic Institutions, Government and PSU Officials, and Industry Personnel.

### Topics to be Covered (but not limited to):

Gov. Risk and Compliance (GRC)

Exposing Dark Web & TOR, Investigation via Tools

Cyber Security : A Survey

Power of Enumeration

Penetration Testing

Adv. Social Engineering Simulations

Application of AI in Cyber Security

Malware Analysis

Understanding Dark Pattern of Cyber Security

Use of Metasploit for Payload Transmission

## Resource Persons:

Eminent speakers from R&D Organizations, Government Departments, IT industries and Academics



**Mr. Satya Prakash Dwivedi**  
Soln. Architect, Birlasoft Ltd



**Ms. Swantana Jha**  
Forensic Consultant (DFIR)  
Nangia Andersen Pvt. Ltd.



**Prof. (Dr.) Shri Kant**  
Head, CCSC,  
Sharda University



**Ms. Riya Agrawal**  
Asso. Security Consultant  
CyberNX Tech. Pvt. Ltd.



**Dr. Amrita**  
Asso Prof., Member CCSC  
Sharda University



**Mr. Amir Shaikh**  
Sr. Executive  
Nexdigm



**Ms. N Kavya Shruthi**  
Visiting Faculty & Res. Scholar  
North Eastern Reg. Inst. of Sc. & Tech.



**Mr. Sandeep Shah**  
Asso. Threat Researcher  
Zscaler



**Mr. Avinash Kumar**  
Asst. Professor, Cert. EC-Council Inst.  
Sharda University



**Mr. Ajinkya Lohakare**  
CTO and Founder, Ditto Security Tedx

## Important Dates

- Last Date for Registration: **January 2<sup>nd</sup>, 2025**
- Start of the Programme : **January 6<sup>th</sup>, 2025**
- End of the Programme : **January 10<sup>th</sup>, 2025**

## Registration Process

Kindly do the following for registration:

### 1. Registration Charges – Rs. 800 (Inclusive 18% GST)

**Note:** Kindly fill Programme name (Training Program on FAC) while making the payment.

No Cheque/Cash payment is accepted. Amount is non-refundable

## Bank Detail

Bank Name: **ICICI Bank Ltd.**

Branch Address: **Krishna Apra Royal Plaza, D-2, E(acb), Alpha-1, Greater Noida, Gautam Budh Nagar, UP- 201306**

Account Holder Name: **Sharda University-Seminar**

Account No.: **025405005815 (CURRENT AC)**

IFSC Code: **ICIC0000254**


SWIFT Code: **ICICINBBCTS**

MICR Code: **110229037**

## QR Code for Payment:

BANK & PAYTM DETAILS	
Bank Name	: ICICI Bank Ltd.
Branch Address	: Krishna Apra Royal Plaza, D-2, E (acb), Alpha-1, Greater Noida, Gautam Budh Nagar, UP- 201306
Account Holder Name	: Sharda University-Seminar
Account No.	: 025405005815 (CURRENT AC)
IFSC Code	: ICIC0000254
SWIFT Code	: ICICINBBCTS
MICR Code	: 110229037

QR Code for Payment



**2. Registration Link:** After payment, kindly fill the following registration form:

<https://forms.gle/nRLBruouwnyFnBx17>

**QR Code for Registration –**



**Note: Applicants who are selected for the Training Program will be intimated via mail.**

## Certification

An evaluation will be done at the end of the program and the certificate will be issued to those participants who have attended the program with **80% attendance** and filled the feedback form.

## Chief - Patrons



**Shri. P. K. Gupta**  
Hon. Chancellor, Sharda University



**Shri. Y. K. Gupta**  
Hon. Pro-Chancellor, Sharda University

## Patron



**Prof. (Dr.) Sibaram Khara**  
Vice Chancellor, Sharda University



**Prof. Parma Nand**  
Pro-Vice Chancellor, Sharda University



**Dr. Bhuvnesh Kumar**  
Dean Research, Sharda University

## Co - Patrons

## Convener



**Prof. Shri Kant**  
Center of Excellence, Centre for Cyber Security and Cryptology

## Coordinator



**Dr. Amrita**  
Associate Professor, Sharda University



**Mr. Avinash Kumar**  
Assistant Professor, Sharda University

## Organizing Committee

- **Dr. Ajay Shriram Kushwaha** , Professor, Sharda University
- **Dr. Yashaswini Sharma** , Assistant Professor, Sharda University
- **Ms. Barkha Nandwana** , Assistant Professor, Sharda University
- **Mr. Vinod Kr. Kashyap** , Network Administrator, Sharda University

## Student Coordinator

- **Vivek Kumar** , Sharda University
- **Krishna Jindal**, Sharda University
- **Hilansh Kharb**, Sharda University
- **Shivangi Jindal** , Sharda University
- **Sneha Mishra**, Sharda University
- **Faizan** , Sharda University
- **Naman Zutshi**, Sharda University

## Contact Details

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**Mr. Avinash Kumar**, avinash.kumar5@sharda.ac.in, +91-9625131621