



SHARDA
UNIVERSITY
Beyond Boundaries



*The Center for Cyber Security and Cryptology (CCS&C),
Sharda University,
will organize a*



40 Hours

Training Program on

PYTHON

FOR

CYBER SECURITY

23rd June to 5th July, 2025



SPONSOR



About the University

Sharda University is a leading Educational Institution, NAAC A+ graded, and has an NIRF ranking of 86, 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 a prime focus on holistic learning and imbuing competitive abilities in students. The University is approved by UGC and prides itself in being a multi-disciplinary 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 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 cybersecurity and cryptology. The center aspires to develop cutting-edge research activities in the field of cybersecurity and related technologies, to enhance 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 cybersecurity". The objectives are to create a skilled manpower base and to provide training and direction to various wings of the 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:

This course delivers professional-level security automation techniques using Python. Participants will gain hands-on experience in real-time network analysis, threat detection, malware analysis, and penetration testing. It covers script-based attacks, CVE analysis, IoC detection, and ethical hacking. Learners will explore OSINT, cryptographic operations, and forensic practices. Real-world attack simulations enhance both defensive and offensive skills. The course also aligns with GRC frameworks, teaching Python-driven auditing and risk analysis, empowering participants to secure critical infrastructure and enterprise environments effectively and efficiently.

Scope of the Training Program:

Python plays a vital role in modern cybersecurity, enabling automation, threat analysis, and rapid response. This training covers areas like VAPT, log analysis, cryptographic operations, web exploitation, and malware analysis. Participants will learn to simulate attacks, automate defenses, and build custom tools. The course includes OSINT, phishing detection, secure API interaction, and AI-driven security. Designed for professionals, students, and law enforcement, it equips learners to protect digital assets from personal data to national infrastructure against evolving cyber threats with practical, Python-based solutions.

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): Five modules with eight hours each

Module 1: Python Essentials for Cybersecurity

Module 2: Networking, Enumeration & Threat Detection with Python

Module 3: Offensive Security – Ethical Hacking & Vulnerability Analysis

Module 4: Cryptography, Forensics & Malware Analysis

Module 5: AI-Based Threat Detection and GRC

Important Dates

- Last Date for Registration: **20-06-2025**
- Start of the Programme: **23-06-2025**
- End of the Programme: **05-07-2025**

Registration Process

Kindly do the following for registration:

1. Registration Charges – Rs. 1000 (Inclusive 18% GST)

Note: Kindly fill Programme name (TPPC) while making the payment **No. Cheque/Cash payment is accepted. Amount is non-refundable**



Scan to Registrar

Bank Details for online payment

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



Scan to Pay

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

<https://forms.gle/EoxTKp8pqtZ4Gpau8>

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.

Organizing Committee

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

Co - Patrons



Prof. Parmanand
Pro-Vice Chancellor, Sharda University



Dr. Bhuvnesh Kumar
Dean Research, Sharda University

Convener



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Head, Centre for Cyber Security & Cryptology
Sharda University

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Prof. Amrita, Professor, Sharda University

Dr. Akash Shah, Assistant Professor, Sharda University

Mr. Prashant Upadhyay, Assistant Professor, Sharda University

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Mr. Subramanya Shashank Gollapudi Venkata, META, USA

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Mr. Alvary Kefas Kwala, Research Scholar, Sharda University

Ms. Deepika Singh, Junior Research Fellow, Sharda University

Mr. Aman Singh, Junior Research Fellow, Sharda University

Student Committee

Krishna Jindal, Sharda University

Hilansh Kharb, Sharda University

Shivangi Jindal, Sharda University

Sneha Mishra, Sharda University

Ishika Dhiman, Sharda University

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