DSCI
Data Security Council of India
A nasscom Initiative

MONTHLY NEWSLETTER

Promoting Data Protection and Cyber Security

April 2024

National Centre of Excellence for Cybercrime Investigation, Training & Research | CENTER FOR CYBERCRIME INVESTIGATION TRAINING & RESEARCH | CYBERSECURITY CENTRE of EXCELLENCE | Centre for Hardware Security Entrepreneurship Research & Development

CAPACITY BUILDING

DCDPO
DSCI Certified Data Protection Officer

The DCDPO program continues to enhance the capabilities of privacy professionals.



Trained 7 participants from diverse backgrounds in April.

DELHI — MUMBAI — BENGALURU — PUNE — HYDERABAD

For upcoming batches, visit
https://www.dsci.in/content/dsci-certified-data-protection-officer-dcdpo

CyberShikshaa

- **CyberShikshaa shines in the World Economic Forum's Strategic Cybersecurity Talent Framework.**

  CyberShikshaa's global recognition by WEF is a testament to the dedication of the program's efforts in empowering women engineering graduates from with specialized training in cybersecurity. WEF's framework serves as a crucial reference for public and private decision-makers concerned about the industry workforce shortage, committed to nurturing robust cybersecurity talent across sectors. Read the WEF whitepaper - www.weforum.org/publications/strategic-cybersecurity-talent-framework/



- **21 women on break took the leap to restart their career in data privacy.**
  We concluded the seventh batch for 'CyberShikshaa Privacy Module for Women on Break'

- **Read the success stories of some of our female students who are Cybershikshaa's vision!**





Read their stories: https://www.dsci.in/cyber-shikshaa/success-stories/

Attracting talent into cybersecurity

Data Security Council of India: CyberShikshaa

The Data Security Council of India (DSCI), which was set up by the National Association of Software and Service Companies (NASSCOM), launched CyberShikshaa in 2013 in partnership with Microsoft to equip young female engineers across India with the requisite skills in cybersecurity. Through a year-long classroom, blended and fully virtual modes in multiple cities and states, CyberShikshaa not only facilitates knowledge and skill development but also helps women gain in the cybersecurity workforce.

During the COVID-19 pandemic, CyberShikshaa seamlessly transitioned to an online format, expanding its reach to aspiring cybersecurity professionals from tier-2 and tier-3 cities. Additionally, the program has evolved to cater to diverse needs, introducing initiatives such as the "Women on Break" programme, aimed at assisting women professionals in returning to the data privacy workforce after career breaks.

Additionally, CyberShikshaa has extended its impact through specialized modules such as CyberShikshaa for IoT& Banking, financial services and insurance (BFSI), CyberShikshaa for AI & ML, and CyberShikshaa for machine learning, catering to different segments of the cybersecurity workforce and addressing cybersecurity challenges faced by particular sectors.

AWARENESS & OUTREACH

Indian Cyber Security Delegation at GISEC 2024, Dubai

Building on the success of last two year's engagement, this year, DSCI furthered the initiative to lead the Indian delegation of cybersecurity start-ups at the Gulf Information Security Expo & Conference (GISEC) 2024. To promote India's robust cyber capabilities and entrepreneurship in the Middle East and Gulf region. DSCI showcased 22 Indian cybersecurity companies, a significant increase from 11 companies featured in 2023.

- **Event Highlights:**
  - Briefing of Delegation to His Highness Sheikh Mansoor Bin Mohammed bin Rashid Al Maktoum, Vice Chairman of the Dubai Academic Health Corporation.
  - Vinayak Godse, CEO, DSCI, and other esteemed dignitaries deliberated on the theme 'Securing Smart Cities: Proactive Measures & Citizen-Collaboration', emphasizing on smart cities' cyber protection with the help of emerging technologies like IoT, AI, and VR.
  - The India-UAE Cybersecurity Industry Exchange in partnership with CXO Klub was hosted on the sidelines of GISEC 2024 to foster greater collaboration between the cybersecurity ecosystems of India and UAE.







Security Chips: The Cyber Security and Privacy Show

- **Latest Episode: Understanding Privacy Concerns Emerging from Advancements in Artificial Intelligence**

  In our latest episode, we are joined by Adilash Soundararajan, Founder and CEO of PrivaSapien, who brings extensive expertise in building Privacy Enhancing & Responsible AI (PERAI) technologies for businesses.

  Engaging in a deep dive with our host, Anisha Koshy, Senior Associate - Policy at DSCI, he talks at length on various aspects of how organizations are deploying Privacy Enhancing Technologies (PETs) and are organizations genuinely prioritizing data protection beyond regulatory requirements?



Tune in as we unravel the evolving landscape of privacy and AI

Spotify: open.spotify.com/episode/1ysU2AcgTBfh70ICZHfEwF

YouTube: www.youtube.com/watch?v=8KP92Tdrf7Y8

THOUGHT LEADERSHIP



The Future of Authentication Paradigms: Evolving Role of the Password Managers

The report explores the evolution of Identity and Access Management (IAM), it discusses the limitations of traditional password systems, highlighting vulnerabilities, and the emerging shift towards passwordless authentication. It offers practical advice for enterprises who are aiming to adopt new approaches, including actionable strategies and best practices for implementing password managers successfully.

Report URL
www.dsci.in/resource/content/future-authentication-paradigms-evolving-role-password-managers

Threat Advisory: 'XZ Utils Backdoor: Supply Chain Vulnerability (CVE-2024-3094) in Linux Systems'

The latest advisory covers in detail the vulnerabilities of XZ Utils, an open-source compression utility known forits high lossless compression ratio.

Read the advisory
www.dsci.in/content/threat-intelligence-and-research-tir



POLICY ADVOCACY

DSCI Public Policy Summer Internship Program 2024

DSCI marks the beginning of its 2nd edition of the three-month policy internship program tailored for aspiring students to learn and contribute to public policy associated with technology and digitization.

The selected cohort of 10 interns, joining from diverse academic fields including computer science, law, economics, and public policy, will engage in immersive independent research projects centered around critical technological policy issues. This immersive experience promises to equip interns with invaluable insights and skills essential for navigating the complexities of the modern digital landscape.

The interns will receive a monthly stipend and get an opportunity to author a research paper upon completion of the internship period.



CENTRES OF EXCELLENCE (COE)

Centre for Cybercrime Investigation Training & Research (CCITR)

Successfully trained over 682 police officers and personnel of the rank of police sub-inspectors, head constables and police constables.

Training Programs Conducted

- **3-day workshop for the Judicial Officers from Karnataka Judicial Academy**
  - **Participants:** 30 Judicial Officers of the rank of District & Sessions Judges, Senior Civil Judges, and Civil Judges.

    After the completion of the training program, the participants were given a comprehensive study materials consisting of important government circulars, templates for drafting letters, open & free source of digital forensic tools, contact list of intermediaries



- **5-day training program on Cybercrime Investigation Techniques: Level 1**
  - **Participants:** 29 Police Personnel from CEN Police Stations.
  - **Training Highlights:**
    - Overview of cybercrime & open-source intelligence techniques.
    - IT essential tools for a cybercrime investigator.
    - Fake loan app investigation procedures.
    - Best practices for handling electronic evidence.



- **5-day training program on Digital Investigation**
  - **Participants:** 30 police personnel
  - **Training Highlights:**
    - Understanding of digital investigation techniques.
    - Handling of digital evidence.
    - How to gather evidence from social media using open-source & intelligence techniques.
    - CDR & IPDR analysis and cybersecurity best practices awareness.



Virtual Series on Digital Investigation

To encourage the capabilities of the Karnataka State Police in navigating technology-centric investigations and to expand the training outreach, CCITR launched the Virtual Training Series on Digital Investigation. In the month of April, a total of over 460 Police Personnel participated in these sessions. The series comprised of 4 sessions which covered the following topics:

- Search and seizure, acquisition and analysis of wearable devices
- Introduction to incident response
- Data files and their analysis
- Operational security

Cybersecurity Centre of Excellence (CCoE)

Key Highlights:

- Conducted a comprehensive seven-day training program at the Telangana State Police Academy for a group of 406 SCT SI Trainees, focusing on vital aspects such as imaging and analysis in digital forensics, live data forensics including RAM dump analysis, and the utilization of field extraction toolkits in mobile forensics.

- CCoE signed MoU with BVRIT Hyderabad College of Engineering for Women to facilitate collaboration with the aim to bridge the gap between academic (theoretical) and practical industry needs.



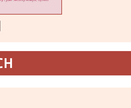
- In collaboration with the Symbiosis Law School, Hyderabad, CCoE organized the 4th National Cyber Law Conference on "Data Privacy and Protection in India and Beyond: Challenges and Innovation" to deliberate on the intricacies of data protection along with the review of technical papers on selected topics-
  - Navigating the data labyrinth: balancing national interests and cross-border data
  - flows - Striking a balance: regulating social media in the digital age
  - Beyond the perimeter: exploring the evolving cyber security landscape
  - fortifying digital rights - The ethics information: navigating privacy, transparency, and consent in the digital age

- A conference was organized by CCoE for Telangana Government Departments to sensitize the officials about the evolving vulnerabilities of cyber-attacks and strategies to counter such incidents.

  The conference was attended by over 200 government representatives from 30+ departments, joined by distinguished guests; Ms. Rama Devi Lanka, Director, Emerging Technologies (Guest of Honour); Mr. Venu Prasad, Jt. Director (Infra & Communications) (Special Guest) and Mr. Srikanth Srinivasan (Vice President, Nasscom). The event deliberated on critical topics like: Cybersecurity Best Practices, Data Privacy, Risk Management, Incident Response.



- CCoE in partnership with VNR Vignana Jyothi Institute of Engineering and Technology, conducted the International Conference on Advanced Mathematics and Advanced Data Analytics (ICAMADA). CCoE methodically crafted Cybersecurity Track which attracted 22 research paper submissions, covering some pivotal cybersecurity domains. Additionally, CCoE hosted workshops which were attended by students, faculty, and professionals. These sessions touched upon some critical topics like application security, digital forensics, and cloud security.



UPCOMING - The 6th edition of FINSEC

Event Details:
www.dsci.in/event/finsec-conclave-2024/

Write to us: media@dsci.in | www.dsci.in

Data Security Council of India (DSCI), 4th Floor, Nasscom Campus, Plot No. 7-10, Sector 126, Noida, UP-201303