DSCI
A nasscom Initiative

QUARTERLY NEWSLETTER

Promoting Data Protection and Cyber Security

APRIL - JUNE 2024

National Centre of Excellence | Centre for Cybercrime Investigation Training & Research | Cybersecurity Centre of Excellence | Centre for Inclusive Cybersecurity, Research & Development

CAPACITY BUILDING

SKILL DEVELOPMENT THROUGH DSCI CERTIFICATIONS

DCDPO
Professionals trained: **35**
Batches conducted: **11**

DCPLA
Professionals trained: **23**
Batches conducted: **60**

DCPDPP
Professionals trained: **24**
Batches conducted: **5**

DCPP
Learners trained: **9**
Registrations acquired: **36**

WOMEN IN SECURITY



- **CyberShikshaa has shined with global recognition** in the World Economic Forum's Strategic Cybersecurity Talent Framework as a case study.
- **21 women on break restarted their career** in data privacy during the 7th batch of **"CyberShikshaa Privacy Module for Women on Break."**
- **2nd batch of CyberShikshaa for AI/ML** had DSCI & Microsoft representatives interact with 25 engineering students at Hyderabad.

- **Read the success stories of women taking CyberShikshaa's vision forward**



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

NEW LAUNCHES

- **DSCI-Fair Cyber Risk Quantification was launched for professionals** to bridge the gap between cybersecurity and business objectives. The course offers a powerful tool to communicate risks in terms that business leaders understand.
- **DSCI Certified Strategist was launched to offer a three-day** comprehensive residential training program to executive leaders and board members. It envisions to empower leaders with the knowledge of organization-wide security and includes learning and experiences of multi-sector board member advisors, policy and regulation advocates, innovation drivers and contributors to national security.
- **Cyber Vaahini was launched to train women engineering students** from Tier-II & III cities in cybersecurity to bridge the talent gap across the domain.

GLOBAL TRADE AND DEVELOPMENT

CYBER SECURITY DELEGATION AT GISEC 2024, DUBAI

- **DSCI led the Indian delegation of 22 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. The delegation saw a jump from 11 companies showcased in 2023.

Key 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 Indo-UAE Cybersecurity Industry Exchange in partnership with CIO Klub was hosted on the sidelines of GISEC 2024 to foster greater collaboration.



INDO-US CYBER SECURITY INDUSTRY EXCHANGE

- DSCI led its first cybersecurity delegation of 17 Indian companies to the USA **& Indo-US Cyber Security Industry Exchange** and engaged with 200+ cybersecurity stakeholders, CXOs, CISOs of Indian origin as well as security leaders of US based companies, VCs to promote business growth and spurt innovation.



- **Strategic Objectives Achieved**
  - Mobilized the stakeholders from the Indian Cyber Security ecosystem present in the region.
  - Established linkages & partnerships between the players (CXOs, solution providers, VCs, user organizations, innovators) on both sides.
  - Fostered collaboration around technology development, innovation.
  - Contemplated on Cyber Security & Data Protection dimensions which may warrant joint efforts.
  - Establishment of the DSCI's US chapter.

THOUGHT LEADERSHIP



READ NOW

The Future of Authentication: Unveiling Role of the Password Manager

This report explores the evolution, challenges, and the transformative role of Identity and Access Management in safeguarding against cyber threats.

READ NOW

Threat Advisory: '82 Ultra Backdoor- Supply Chain Attack Campaign (CVE-2024-3094) in Linux Systems

The latest advisory covers in detail the vulnerabilities in XZ Utils, an open-source data compression utility known for its high lossless compression rate.

READ NOW

Curbing Scams in Unified Payments Interface

This white paper, in collaboration with Bharatiya Sakshya Adhiniyam, explores and details specific vulnerabilities at both product and process levels in India's Unified Payments Interface (UPI).



READ NOW

Privacy-Enhancing Technologies: Global and Indian Regulatory Regulatory Insights

In collaboration with AIaaS, this report explores regulatory frameworks for Privacy-Enhancing Technologies (PETs) within India and across ten diverse global jurisdictions.

POLICY ADVOCACY

- **Joint OSAC** (Overseas Security Authority Council) **& ASIS** (American Society for Industrial Security) **Bengaluru Chapter Meet** organized where DSCI shared OPDPA compliance insights.



- **Policy submission to Ministry of Corporate Affairs (MCA) on draft Digital Competition Bill 2024.** Submitted inputs and emphasized on the need for ex-ante digital markets regulation in the Indian context, particularly concerning data usage and default settings provisions of the draft Bill.



- **DSCI Expert Forum on PETs** in partnership with AsterS. DSCI organized Expert Forums Meet in Chennai and Bengaluru to discuss PET adoption future.

- **DSCI Public Policy Summer Internship Program 2024**

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

Key outcomes for the cohort comprising 10 students:

- Engaged in immersive independent research projects centered around critical technological policy issues.
- Interns earned the chance to author a research paper upon completion.

AWARENESS AND OUTREACH

6th Edition

FINSEC CONCLAVE 2024

Key highlights:
- 800+ delegates • 100+ speakers
- 45+ sessions • 11 keynotes
- 3 key report launches

Winner of the Innovation Box FINSEC edition
Most Innovative Product
★ Zeron ★

- **DSCI and Indo-German Chamber of Commerce (IGCC) signed MoU** to form a strategic partnership focusing on cyber training, deep-tech startup acceleration, and conducting regional events and targeted assessments in: cybersecurity, data privacy, cyber forensics, IT/OT security, cyber risk management and data protection.



SECURITY CHIPS: THE CYBER SECURITY AND PRIVACY SHOW



EPISODE #7

UNDERSTANDING PRIVACY CONCERNS EMERGING FROM ADVANCEMENTS IN ARTIFICIAL INTELLIGENCE

Guest: Abilash Soundarrajan, Founder and CEO, PrivaSapien
Host: Anisha Koshy, Senior Associate - Policy at DSCI



EPISODE #8

THE THRILL & DEMANDS OF BEING A FIGHTER PILOT | CYBER WARFARE STRATEGIES AND INDIA'S AEROSPACE POSITIONING

Guest: Air Marshal Anil Chopra (Retd.)
Host: Abhishek Dasgupta, Director, DSCI

LISTEN TO DSCI PODCAST

CENTRES OF EXCELLENCE

NATIONAL CENTRE OF EXCELLENCE (NCoE)

Report Launch

Privacy Engineering: Way Ahead
The report delves into the best practices and frameworks for integrating privacy considerations into engineering processes.

READ REPORT

- The NCoE Innovation Arcade at FINSEC 2024 **featured 18 start-ups** and **over 30 exhibitors** showcased cutting-edge solutions.

★ **9 start-ups onboarded during the 19th and 20th rounds of incubation.** ★

• Cyberuttron • TinuCrows • AttackFence • Progist • CertiaMe
• CyberUnbound • TurtleNeck • Domdog • CyberXtron

CENTRE FOR CYBERCRIME INVESTIGATION TRAINING & RESEARCH (CCITR)

- **Trained 2,203 police officers and personnel,** including sub-inspectors, head constables, and constables, judicial officers of various ranks: district & sessions judges, senior civil judges, and civil judges and police personnel from CEN, police stations and the railway police.



- **Conducted 11+ training program** for Karnataka Judicial Academy and workshops on 'Cybercrime Investigation Techniques - Level 1' and 'Digital Investigation.

- **Trained 1505 Police Personnel across 13+ virtual training sessions** on topics including: acquisition and analysis of wearable devices, incident response, data files and their analysis, operational security, Windows Command Prompt usage, Linux Command Line, file deletion in Windows, password recovery using Hashcat and JohntheripperI, phishing Investigations, digital forensic analysis of SSD, electronic evidence under Bharatiya Sakshya Adhiniyam, 2023, remote acquisitions using open-source and data extraction from WhatsApp.

- **13+ students participated in the 5th phase of the CCITR internship** after sharing critical investigative contributions in the CID Police Hackathon.

CYBERSECURITY CENTRE OF EXCELLENCE (CCOE)

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



- **4th National Cyber Law Conference** organized on "Data Privacy and Protection in India and Beyond: Challenges and Innovation" to deliberate on the intricacies of data protection.
- **30+ departments, 200 government representatives** sensitized about the evolving vulnerabilities of cyber-attacks and strategies.
- **22 research paper submissions** received for special Cybersecurity Track.

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