DSCI
Data Security Council of India
A NASSCOM Initiative

MONTHLY NEWSLETTER

Promoting Data Protection and Cyber Security

Volume 1 | Issue 1

February & March 2024

National Centre of Excellence for Cyber Security Research & Development | CYBERSECURITY EXCHANGE | Centre for Inclusive Cybersecurity Empowerment and Research & Development

CAPACITY BUILDING

DSCI Certified Data Protection Officer (DCDPO)

To upgrade the skill set amongst privacy professionals, DSCI launched the Certified Data Protection Officer (DCDPO) program which is designed with comprehensive and structured curriculum to equip professionals and practical skills to implement and manage data protection effectively.



Newly Launched Programs

- FAIR Institute and DSCI jointly launched a training and certification program for cyber risk quantification in India- **FAIR Model for Cyber Risk Quantification and Management.** This initiative is aimed at equipping business leaders, cybersecurity executives, and risk practitioners from BFSI, critical sectors, and regulatory bodies with the tools and knowledge to navigate the complexities of cyber risk. In this regard, the first batch of the training program under Cyber Risk Quantification was conducted, laying out a roadmap for future training and certification in India.



- **DSCI and Kyndryl jointly collaborated to launch the 'Cyber Sainik' program** by entering a 3-year long partnership. A unique initiative that aims to bridge the cybersecurity talent gap in India by leveraging the skills and experience of veterans transitioning from the armed forces to help them build a safer digital future. The initiative will reach out to 5000 beneficiaries in its inaugural year, followed by 10,000 beneficiaries each in the subsequent two years. The program's outreach will extend to the states of Karnataka, West Bengal, and Maharashtra in the first, second, and third year respectively, ensuring widespread coverage and impact.

CyberShikshaa

CyberShikshaa for AI/ML in collaboration with Tinabtabi Foundation is empowering the women talent with the launch of the second batch in Hyderabad. It is on track to finish training by June 2024 with the participation of **25 engineering graduates.** Meanwhile, the first batch is actively engaged in an industry recruitment drive.



Women on a Mission!
From diverse backgrounds and regions, CyberShikshaa batch of 2023 embarked on a transformative journey in cybersecurity. Hear their stories!



Read the success stories of students that underscore the essence of CyberShikshaa's mission!



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

As a part of CyberShikshaa Fundamentals Program, in collaboration with the Tamil Nadu Skill Development Council, the program has embarked on an attempt **to train 4000 students** from esteemed institutions such as Madurai Kamraj University, Periyar University, Mother Teresa University, and Thiruvalluvar University.

AWARENESS & OUTREACH

Data Privacy Day 2024

DSCI championed the cause of Data Privacy with a two-month long privacy awareness campaign. The campaign was kickstarted on the occasion of Data Privacy Day (DPD) which is observed globally on January 28, under the theme **'Be Privacy Conscious'.** DSCI utilized digital platforms to reach out to the masses and educate them about data privacy awareness to respect privacy, safeguard data and enable trust.The campaign was supported by MDFC Bank, SEQRITE, CREF, Protect.ai, and 2S Associates.

The campaign was officially inaugurated through a Privacy Virtual Meet in presence of all campaign partners. As a part of the awareness campaign, in partnership with Deloitte India, DSCI hosted a Privacy Leadership Meet in Bengaluru to deliberate on the topic 'CXO's Guide to Operationalizing Privacy'.

The large awareness campaign covered various critical areas of Privacy through content artefacts, such as:

- Responsibilities of a Data Fiduciary and Rights & Duties as a Data Principal under the DPDPA 2023.
- FAQs booklet on Digital Personal Data Protection Act 2023.
- Anatomy of a Data Protection Officer (DPO).
- Privacy practices and principles posters for citizens.
- Kids' guide to digital privacy.
- Privacy awareness video ecommerce and use of Public Wi-Fi.
- A live session on 'Children's Data Privacy in India: A Rights-Based Perspective'.
- An exclusive podcast session on 'What is it like being a Data Protection Officer in India?'
- Privacy awareness quiz on MyGov portal focusing on DPDPA for the citizens.

Total Campaign Outreach 22.3 Million

Glimpses of some action-driven collaterals are:



Visit the campaign to view and download the collaterals:
https://www.dsci.in/privacy-day-2024

- **DSCI and Infoblox jointly hosted a round table on the theme 'Examining the DNS Security Threat Landscape.'** The roundtable convened representatives from PSUs, government departments together with leading industry experts to reflect on the strategic role DNS plays in the overall digitization journeys of organizations. The discussion featured-
  - A deep-dive analysis of the lessons learned from global developments unfolding in cyberspace.
  - How organizations can better prepare to effectively fend off the intrusions targeting the DNS.
  - Strategies to secure DNS for organization's digital infrastructure.

THOUGHT LEADERSHIP



MXDR - A New Paradigm for Cyber Defense

The Point of View (PoV) paper, in collaboration with SISA, aims to unveil the transformative potential inherent in Managed Extended Detection and Response (MXDR). It also provides a roadmap for Chief Information Security Officers (CISOs) and cybersecurity professionals to orchestrate a symphony of cybersecurity tools with MXDR.

Report URL
www.dsci.in/resource/content/mxdr-cyber-defense



Mitigating Security & Privacy Risks: A Guide to Enterprise Use of Generative AI

The report presents a timely and comprehensive analysis of the cybersecurity and privacy risks emerging from enterprise use of generative AI solutions. The report is primarily framed in two parts, strengthening cybersecurity for generative AI and data protection strategies for generative AI.

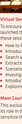
Report URL
www.dsci.in/resource/content/mitigating-security-privacy-risks-guide-enterprise-use-generative-ai



Aerial Insights: The Role of Drone Forensics in Modern Investigations

This report explores various methods for extracting and analyzing forensic artifacts from drones using varied range of tools, including commercial, free, and open-source tools. The observed findings of the research report will assist digital forensic examiners and law enforcement agencies in investigating criminal activities involving drones. The report was officially launched by the Hon'ble Home Minister of Karnataka during the Cybercrime Investigation Summit 2024.

Report URL
www.dsci.in/files/content/knowledge-center/2024/Drone_Forensics_Investigation.pdf



Accelerating Public Service Delivery: Fostering Innovation via Public Cloud, Revisiting Security, and Sovereignty Concerns

The report acknowledges the potential of public cloud for enhancing public service delivery. Despite a robust cloud adoption policy since 2013, hindrances persist in widespread public sector usage, primarily related to data ownership, security, privacy, and control.

Report URL
www.dsci.in/resource/content/accelerating-public-service-delivery

POLICY IMPLEMENTATION

DSCI Privacy Leadership Forum

To bring together privacy leaders at a common forum and to enable privacy preparedness in the industry, DSCI has implemented a unique initiative 'DSCI Privacy Leadership Forum'. The forum is designed with the objective to gather privacy leaders periodically to deliberate on issues that are of importance to the privacy concerns of the industry.

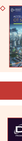


The leaders of the forum shall work in sub-committees as part of Special Interest Groups (SIGs) in order to cover the many thematic areas of interest-

- Data Localization
- Data Transfers
- Employee Data Privacy
- Privacy Maturity Modelling
- Privacy Impact Assessment

In February and March, two papers were released as part of the forum-

Privacy by Design defines a comprehensive approach for organizations to safeguard the privacy of stakeholders, including customers and employees.



Privacy at the Workplace addresses evolving concerns around the 'Right to Privacy' within employment contexts. It extends beyond traditional employer-employee relationships to encompass diverse economic engagements.



Read Papers
www.dsci.in/content/dsci-privacy-leadership-forum

CENTRES OF EXCELLENCE (COE)

Centre for Cybercrime Investigation Training & Research (CCITR)

Training Programs Conducted

- **Three-day Training Program 'Wearable Device Forensics'**
  - **Participants.** 25 Police personnel from Commissionerate's and Bengaluru City
  - **Training Highlights:** Techniques and analysis of device overviews and data extraction.
- **Three-day Training Program on 'Cybercrime Investigation Techniques'**
  - **Participants:** 21 Police officers of the rank of Addl. Superintendent of Police.
  - **Training Highlights:**
    - Techniques and analysis of digital evidence, different types of cybercrimes, open-source intelligence, and dark web profiling.
    - Hands-on session on leveraging digital forensics tools.
    - Mobile forensics through a simulation of a real crime scene.



- **Five-day Training Program on 'Cybercrime Investigation Techniques Level 1'**
  - **Participants:** 30 Personnel from CEN Police Stations
  - **Training Highlights:**
    - Techniques for open-source intelligence, fake loan app investigation, cryptocurrency tracing, usage of TAILS, OS, and PGP key encryption.
    - Best practices for handling electronic evidence.
    - Hands-on session for leveraging digital forensics tools.
- **Three-day Training Program on 'Cybercrime Investigation Techniques Level 2'**
  - **Participants:** 30 Personnel from Bengaluru City Police Stations.
  - **Training Highlights:**
    - Search and seizure of RAAD-enabled systems, techniques for open-source intelligence, dark web & deep web, cryptocurrency transactions and browser forensics.

- **Five-day Training Program on 'Latest Techniques in Investigation of Child Pornography & CSAM Cases'** by Indian Child Protection Fund (ICPF) for 31 Police Personnel from CEN Police Stations.

CID Police Hackathon: CODECODE

- The CID Police Hackathon "CODECODE" was jointly initiated by CCITR & PES University and inaugurated by DGP, CID, Karnataka in the presence of ADGP, CID, Karnataka & Vice-Chancellor, PES University.
- Various problem statements were given to all the students to develop the following tools.
  - Darkweb Monitoring Tool
  - Cryptocurrency Tracing Tool
  - Malware Detection Tool
- Out of 341 registered teams, 39 teams were shortlisted and invited (13 teams in each problem statement). 3 jury panels were formed to evaluate the tools developed by each team. Based on the evaluation, 3 teams were announced as winners & 2 as runner-up in each category. The 3 winning teams were rewarded with each team INR 70,000 and 3 runner-ups were rewarded with 50,000 INR, respectively.
- This remarkable event not only underscores the collaborative spirit within the tech community but also reaffirms our commitment to foster innovation and excellence.



Virtual Series on Digital Investigation

To encourage the capabilities of the Karnataka State Police in navigating technology-centric investigations and to expand training outreach, CCITR launched the Virtual Training Series on Digital Investigation. In the month of February and March, a total of over 1561 Police Personnel participated in these sessions. The series comprised of over 9 sessions which featured distinguished speakers, covering the following topics:

- How to Penetrate Darkweb forums?
- Introduction to IoT
- Search and Seizure of IoT Devices.
- Extraction of UAV Data.
- Investigation and Prevention of Crypto Transactions.
- Investigation of CSAM Cases.
- Introduction to Wearables.
- Exploring Digital Evidence in Smartwatches.

Most Court Session on Handling of Digital Evidence in Crime Investigation

This exclusive session simulated the court proceedings aimed to sensitize the participants about the legal and technical aspects of digital evidence and its role in the prosecution of cybercrime cases. The session opted for a common type of cybercrime with different stages of trial proceedings to sensitize the participants about the best practices in handling electronic evidences.

Characters played by the participating officials:

Judge - Sri K L Ashok, District Judge & Deputy Director, Karnataka Judicial Academy
Defense Lawyer - Mr Hanumanth Rao Naik, Assistant Public Prosecutor, Hubli
Defense Lawyer - Mr Mahesh Vaidya, Legal Advisor, CID Karnataka
Forensic Expert - Mr Pavithra Hemkalya, Forensic Scientist, DFSL
Investigating Officer - Mr K N Yashavantha Kumar Dy/SP Karnataka Police

National Centre of Excellence (NCoE)

- **Privacy Engineering Summit 2024: Mumbai Chapter**

  Privacy Engineering Summit is a platform by NCoE which is initiated to create a dialogue around the latest insights, strategies and innovations within the dynamic realm of privacy engineering.

  Following a successful Bengaluru chapter in 2023, the Privacy Engineering Summit made its way to Mumbai to showcase innovative privacy technologies and data protection. This pivotal event brought together experts and enthusiasts to deliberate on the latest trends and challenges in privacy engineering. Engaging discussions and masterclasses showed the latest advancements and emerging privacy engineering technologies.





- **Startup Incubation**

  NCoE's commitment to promote innovation continues with the successful conclusion of the 18th startup incubation round. With the onboarding of 5 new startups - Com Dfns, Endpoint Protector, Kratikal, Quarkslab, Quantum, the total number of startups under NCoE now stands at 118.

- **IoT Security Acceleration Program**

  With the mission to sustain cybersecurity technology development across all sectors, NCoE in collaboration with the Ministry of Electronics & IT, CoE-Internet IoT Security Accelerator Program, a platform to further empower IoT innovators with the knowledge and tools necessary to build secure and resilient solutions, safeguarding the future of connected devices.

  The program also marked the beginning of an exciting beyond Job Sofitech and BT Kanpur by signing a MoU. Together, they are

- **Accelerating CE Security Report**

  To address the evolving cybersecurity threats, NCoE unveiled its latest research report Accelerating CT Security which highlights the unique cybersecurity challenges encountered by operational technology (OT) environments. It also showcases NCoE's acceleration efforts in this domain with its SCADA/OT security acceleration program.

  Report Link:
  www.c-ncoe.in/report/accelerating-ot-security-2024-report



UPCOMING

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