October 2022

DSCI Community Newsletter

Promoting Data Protection and Cyber Security

DSCI
PROMOTING DATA PROTECTION
A NASSCOM® Initiative

National Centre of Excellence
CYBERSECURITY TECHNOLOGY AND ENTREPRENEURSHIP

CENTER FOR CYBERCRIME INVESTIGATION TRAINING & RESEARCH

CYBERSECURITY CENTER of EXCELLENCE
A joint initiative of DSCI & Government of Telangana

AWARENESS & OUTREACH

Cyber Security Awareness Month (CSAM) 2022

October is globally celebrated as Cyber Security Awareness Month (CSAM). This year's theme was 'See Yourself in Cyber: Together we make it Safer' (the supporting tagline by DSCI). The theme aimed at focusing on the 'people' part of cybersecurity, providing information and resources to help spread cybersecurity awareness. Every year, with the help of various awareness activities, DSCI encourages individuals, workforce, and the community at large to come forward and incorporate stronger security measures & best practices. DSCI also partnered with Array Networks, BSE, IDFC First Bank and LastPass to further foster the campaign engagement.

This year, DSCI executed several activities to promote and support cybersecurity in various forms of content particulars, conceptualized around the key awareness areas-

- Use strong passwords
- Recognize & report phishing
- Enable multi-factor authentication
- Software updates & device safety
- Never share OTP/PIN/CVV
- Think before you share

Content Assets Created

Particulars	Quantity
Awareness Wallpaper/Screensaver	1
Cyber Security Quiz	1
Cyber Security Pledge	1
Fraud awareness + secure habits Infographics	2
Best Practices Brochure	1
Awareness Videos	3
Awareness Posters	10
Diwali based creatives	4
Leader Cards	4
Social media Polls	5
Emailers	5
Total Assets	**33**

DSCI Member Advisory Sessions

Topics	Company
Cybersecurity Awareness Session	NTPC, NHPC, Gail, Oil India Ltd, Walmart

GAIL Leadership Session	GAIL
Cyber Insurance - CJD	Group Advisory Session
Cyber Insurance	Union Bank
CSAM Session for NTPC School of Business	NTPC
Cybersecurity Awareness – Mobile, Browser & Financial	Group Advisory Session, Union Bank
Cyber Risk Management	Group Advisory Session, Union Bank
Emerging Tech and Security Considerations	Group Advisory Session, Union bank
Leadership Session	JPMC
Session on Cloud Security	NPCI
All Employee Awareness Session for Oil India	Oil India Limited
Joint Advisory Session on IoT Security	Group Advisory Session
Session on Password Management & Financial Awareness	NTPC
Cybersecurity awareness - Operating System and Antivirus	Group Advisory Session, Union Bank
Step by step guide to implement Dev-Sec-Op framework	POSOCO
Criticality of Data Privacy	Group Advisory Session, Union Bank
Awareness Session	Nehru Science Center
Cloud Security	Group Advisory Session, Union Bank
APGCL Session	APGCL
Awareness Session	Powergrid

3448
Total Attendees

60+
Companies Participated

30
Total Sessions

Sectors Covered
Oil, Energy, Power, E-Commerce, Banking, Education, GCC and Fintech

Total Campaign Outreach

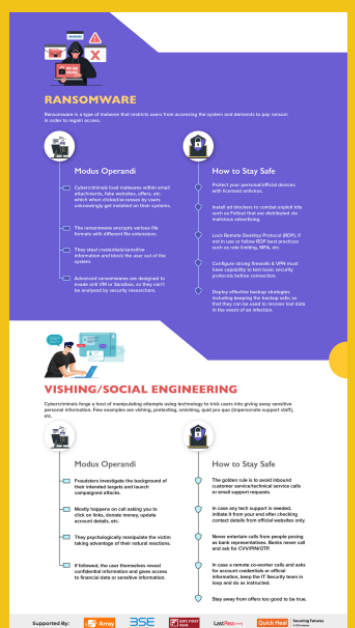
Topics	Company
Wallpaper/Screensaver Downloads	2,26,126
Social Media	21,52,000
Emailers (Open & Click)	18,000
Webpage	15,184
Awareness Quiz Participation	17,054
Awareness Pledge	25,072
Advisory Sessions	3448
Total Campaign Outreach	**24,73, 938**

IDFC FIRST Bank

LastPass

Quick Heal

Securing Futures
A CSR initiative



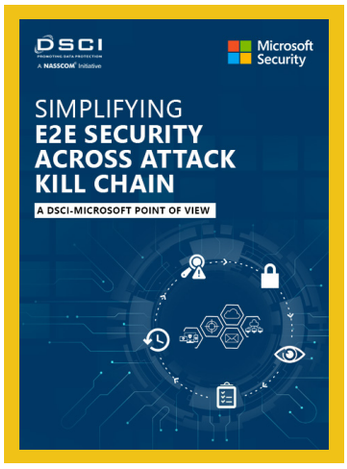
THOUGHT LEADERSHIP

Simplifying E2E Security Across Attack Kill Chain (Joint POV paper by DSCI and Microsoft)

In today's modern enterprises, the IT infrastructure is changing rapidly and is getting modernized with the integration of newer technologies and products such as cloud, SaaS products, AI & ML, blockchain, etc. It is necessary to have a robust End to End (E2E) security solution to address vulnerabilities penetrating the applications, data (at rest and in motion), platform, cloud, and networks. End-to-end security has become a necessary component of an effective enterprise security posture.

Key Objectives:

- Examine current trends in security penetrating to the enterprises.
- Understand security perspective in Industries.
- Bring out the best practices for end-to-end enterprise protection.
- Look at the relevance of E2E security and consolidation in the changing industry landscape.
- Unveil recent threats and associated risks with it to enterprises.



Read more: **https://www.dsci.in/content/simplifying-e2e-security-across-attack-kill-chain-dsci-microsoft-pov**

CAPACITY BUILDING

Fourth Anniversary of CyberShikshaa – A joint initiative by DSCI and Microsoft

(From L to R: Dr Rohini Srivathsa, National Technology Officer, Microsoft India; Rama Vedashree, former CEO, DSCI; Tom Burt, Corporate Vice President – Customer security and Trust, Microsoft Corp; Rajarshi Mukherjee, Principal Lead – Partnerships, Tata STRIVE; Manju Dhasmana, Philanthropies Lead, Microsoft Asia; and Hari Balachandran, CEO, ICT Academy.)

Continuing to support the cybersecurity ecosystem in the country, on the fourth anniversary of CyberShikshaa, Microsoft announced the expansion of the initiative in association with the Data Security Council of India, Tata STRIVE and ICT Academy.

Key Highlights

- Expansion of CyberShikshaa program to accelerate skilling opportunities for women talent in the country.
- 1,100 women trained and 800 women employed in cybersecurity roles so far.
- 5,000 youth trained in Cybersecurity Beginners program.
- To upskill 45,000 women in the next three years and provide employment opportunities for 10,000 learners.
- AI/ML training programs will be introduced for cybersecurity product development.
- Specialized training programs will be conducted for students to make a career in the BFSI industry.
- More than 10,000 rural underserved youth will receive basic cyber security training under Ready4Cybersecurity program.

POLICY ADVOCACY

Privacy Spotlight Series 2.0

The first virtual session of the Privacy Spotlight Series 2.0 was conducted on the theme of 'Anonymisation' with Ms. Ivana Bartoletti, Global Chief Privacy Officer at Wipro. The session covered various fundamentals of anonymisation as a technical intervention and its limitations, the misplaced conflation of anonymisation with encryption and privacy-enhancing technologies, the utility trade-off in anonymising personal data, as well as the technical feasibility challenges for industry in anonymising data.

The Privacy Spotlight Series 2.0 is a platform designed to provide opportunity to stakeholders to gain expert insight on nuanced and emerging areas in the privacy sphere with the objective to facilitate informed dialogue on contemporary issues, regulatory challenges, and industry concerns surrounding privacy implementation.

TRAI Consultation Paper on "Leveraging Artificial Intelligence and Big Data in Telecom Sector"

DSCI and NASSCOM collaborated to draft the responses for TRAI consultation paper on 'Leveraging Artificial Intelligence and Big Data in Telecom Sector' which contains discussions and questions under two themes viz. cross-sectoral adoption of Artificial Intelligence (AI) and Big Data (BD). The paper entails questions on the definition of AI, the types of risks in AI implementation, the concept of having a responsible AI framework, privacy and security concerns connected to these technologies, the need for an AI regulator, etc. and sectoral adoption of AI & BD in telecom.

The interim responses were submitted in October following up with the final comments thereafter in November. Rounds of consultation were conducted with stakeholders, industry members spanning over AI experts, telecom experts, tech lawyers, telecom service providers to present a holistic view of the listed questions.

CENTRES OF EXCELLENCE (COE)

Centre for Cybercrime Investigation Training & Research (CCITR)

Training Programs Conducted

- Three-day workshop for the Judicial Officers from Karnataka Judicial Academy on 'Cyberlaw & Cybercrimes' for 29 Judicial Officers of the rank of district & sessions judge, senior civil judge and civil judge from Karnataka Judicial Academy, Bengaluru. The three-day workshop covered different themes-
  1. Components of Computer & Sources of Digital Evidence
  2. Digital Forensics Hardware & Software
  3. Invasive Forensics, Publications & Reports

- Five-day training program for the Officers & Staff from Cyber Economics & Narcotics (CEN) Police Stations on 'Cybercrime Investigation Techniques Level – I' for 31 Police Officers & their staff from CEN Police Station(s). The training helped the participants learn about the occurring cybercrimes, open-source intelligence framework, forensic analysis of tor browser and dark web monitoring, fake loan app investigation procedures & best practices for handling electronic evidence. The training was conducted with a set-up of a simulated environment of the scene of crime where participants were divided in groups to perform, search & seizure in various situations.

CCITR Centre Visit

Hon'ble Justice P. S. Dinesh Kumar, Hon'ble Justice T. G. Shivashankare Gowda, Sri. Tejasvi Surya, Member of Parliament, Bengaluru South Lok Sabha Constituency and Sri. Ashok Rathore, IPS, ADGP, Rajasthan along with Ms. Monika Sain, IPS, SP, Rajasthan and other officers.

Cybersecurity Awareness Month (CSAM) 2022 Activities

- Conducted a one-day workshop on 'Cyber Security Awareness' for 35 Police officers of the rank of Deputy Superintendent of Police, Police Inspector, Police Sub-Inspectors, and Head constable from the CID, Karnataka.

- Created in-house cybersecurity awareness posters, pamphlets & presentations which were circulated among 44 CEN and City Cyber Police Stations located across Karnataka state to create cyber security awareness among the Public, Schools, and Colleges in their Jurisdiction.

- Cybercrime awareness exhibition stall was set up at Mysore Dasara with the aim to create awareness on evolving nature of cybercrimes, latest modus operandi, and newer strategies to extract money from the individual/organisation. The exhibition was inaugurated by Dr. Chandragupta IPS, Commissioner of Police, Mysore City and Mr. M N Anucheth IPS, SP, Cybercrime Division, CID Karnataka.

- Cybersecurity awareness sessions were also conducted for college students. CCITR was invited by the Office of the Controller of Communication Accounts Karnataka Circle, Department of Telecommunications, Govt. of India to deliver a session on 'Evolving Nature of Cybercrime in present Era and Being Vigilant' for colleges across India. The session was attended by over 250+ students from different colleges.

National Centre of Excellence (NCoE)

Cybersecurity Awareness Month (CSAM) 2022 Activities

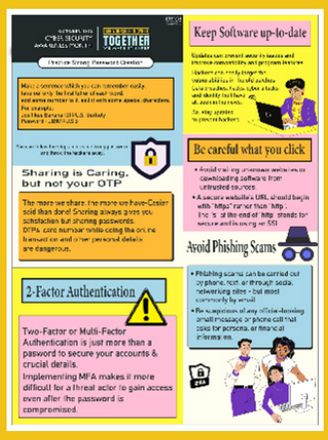
- Conducted a webinar on Phishing Trends, Experience, and Technology, taken forward by Mr. Arpit Dubey - Director Cyber Security Technology, DSCI and Mr. Bhavin B. Bhansali, Founder & CEO, ProgIST Solutions.

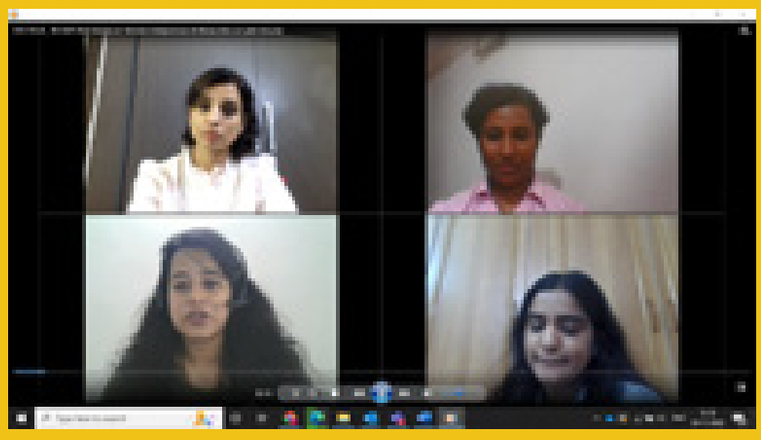
- Webinar on Fraud detection & management was conducted by Dr. Triveni Singh IPS, SP, UP Police; Mr. Adhip M R, CEO, TrustCheckr; Mr. Dharshan Shanthamurthy, CEO, SISA Information Security and Mr. MD Sharath, SP, CID Karnataka Police. The webinar delivered valuable insights on fraud from an individual and enterprise perspective and strategies to counter it. Over 213 participants attended the session.

- Organized a talk show with Women Entrepreneurs & Researchers in Cyber Security with the focus on some common issues faced by women in taking up leadership roles. Speakers included- Ms. Lakshmi Das, Co-founder, Prophaze - Native Cloud Security Platform; Ms. Pratibha Malik, Co-Founder, Securaa.io; Ms. Jancy Jose, Founder, Strava Cyber Labs (P) Ltd - A Cyber Defence Centre; and Ms. Rupal Mathur, Co-Founder, Simply-fi.

- Conducted a webinar session on Authentication, conducted by Mr. Ajit Hatti, CEO PureID, Mr. Nilesh Dhande, CEO & Co-Founder FortyTwo Labs, Mr. Kulothungaboopathy Vijayarangam , CEO NapID, Mention Prof. Gaurav V Varsheney, IIT Jammu and Mr. Amit Sachan, Technology Head, Securely Share. The session was attended by over 123 people.

- Hosted a joint Poster Competition with IIIT Sri City, which received over 16 submissions out of which a Winner - Team Snowden's Den & a Runner Up Team Cipherpunk 2048 were shortlisted.

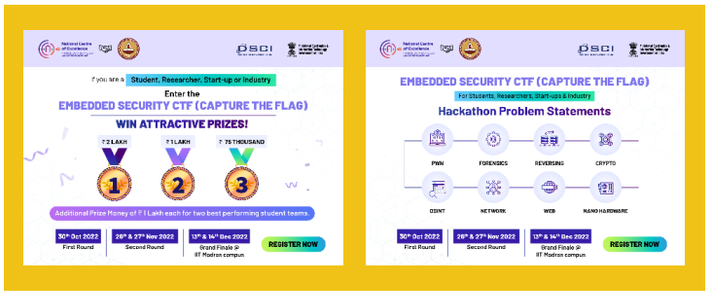


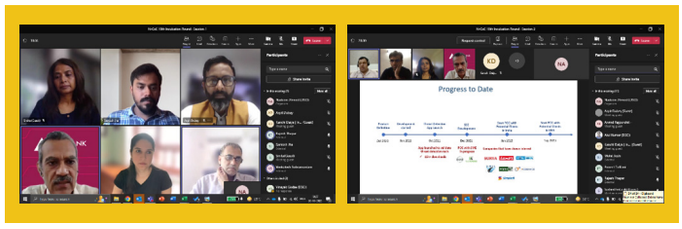


Embedded Security- Capture the Flag (CTF) 2022

National CoE's Centre for Hardware Security Entrepreneurship Research & Development (C-HERD) in collaboration with IIT Madras is organizing an Embedded Security CTF 2022 to provide a platform for students, start-ups, and corporate employees to showcase their Embedded Security Skills. The problem statements for CTF were designed by IIT Madras.

NCoE received over 500 registrations from teams for the event which included 1517 participants. The evaluation process of the first round is ongoing by the evaluators from IIT Madras. The second round of CTF is scheduled for 26th & 27th Nov 2022, followed by the in-person grand finale at the IIT Madras campus on 13th & 14th Dec 2022.





NCoE Start-Up Incubation

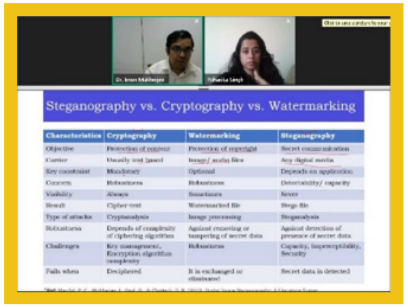
NCoE conducted its 10th incubation selection round virtually where eight startups onboarded- App Sealing, Aurva, Redinent, Zeron, Finlock, Appsentinals, Riskpro and HackXSecurity; and four industry experts were onboarded for the evaluation, namely Rajesh Thapar, CISO, Axis Bank; Vanketesh Subramanian, CISO, Olamnet; Kanchi Daiya, Regional Lead, Indian Angel Network; and Smita Yedkar, Charter Member, TIE Pune.

Participation at IMC, NPC & DefExpo

- NCoE participated at Asia's largest tech forum India Mobile Congress (IMC) at Pragati Maidan, and invited its incubated startups- InstaSafe, Cyberstanc, SecneurX, and Secure Blink to showcase their technological capabilities and security offerings.

- NCoE participated in the 19th edition of NASSCOM Product Conclave in Bangalore inviting 24 of its associated start-ups to showcase their offerings and products- Kratikal | Whitehats | Beagle security | Chipspirit | Matisoft | Priva sapien | Cyberstance | Offense logic | Securaa | Secops | Innspark | Fourcore labs | Payatu | Secneurx | Thoughtbit | Flexible IR | DNIF | SISA | Hackxsecurity | We secure app | Fortytwo labs | Securely share | Prophaze | Seconize

- NCoE incubated start-ups- Cyberstanc, Matisoft & Chipspirit participated at India's Flagship Defence Exhibition- DefExpo where Chipspirit received the Raksha Mantri Excellence Award. The event was attended by global leaders, organizations, institutions & start-ups across 70 countries with the focus on the expansion of Indian defence manufacturing.



Crypto Innovation Series

NCoE's Crypto Innovation Series continues with its Season 5 Part 4, covering the topic 'Unseen within seen: A steganographic paradigm' to grasp how steganographic can be used by the government and industries. The session was conducted by Prof Imon Mukherjee from IIIT Kalyani.

UPCOMING

17th Edition of Annual Information Security Summit (AISS) 2022

The 17th edition of NASSCOM-DSCI's flagship event Annual Information Security Summit (AISS) 2022 is slated to take place on December 20, 21 and 22 at Hotel Leela Ambience, Gurugram.

The event aspires to bring together C-level executives, policymakers & influencers, government officials, security & privacy professionals, and experts from academia, research, tech. & innovation to deliberate on the entire spectrum of cybersecurity & data protection. The core and fundamental intent of AISS is to enable, facilitate, organize and orchestrate collective learning, experience sharing, impactful dialogues, differential diagnoses of the topical security & privacy issues and challenges, consensus building and future casting.

Experience a plethora of activities that the event is set to offer-

09 Deep Dive Workshops | **05** Plenary Sessions | **20+** Keynotes Addresses | **200+** Global Industry Leaders/Experts | Key sub-events and much more!

Register Now: **https://www.dsci.in/events/aiss-2022/**