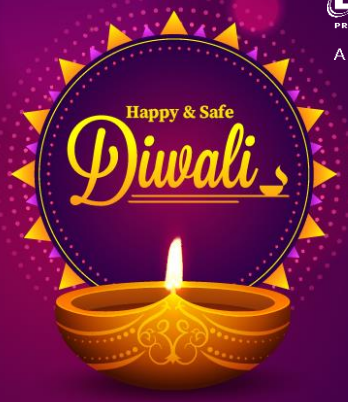
OCTOBER 2020

DSCI COMMUNITY NEWSLETTER

Cyber Security & Data Privacy

DSCI
PROMOTING DATA PROTECTION
A NASSCOM® Initiative



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

National Centre of Excellence
for Cybersecurity Technology
Development & Entrepreneurship

CENTRE FOR CYBERCRIME INVESTIGATION TRAINING & RESEARCH

Highlights

NASSCOM-DSCI Annual Information Security Summit (AISS) 2020

Registrations Open | 15-17th December 2020

AISS 2020 edition shall entail deliberations around the sub themes of architectural changes due to digitization (zero trust, microservices security architecture, password less authentication), cybersecurity strategy, data driven organizations, 5G security, protection of critical infrastructure, end-to-end encryption, zero knowledge proofs, crypto innovation, business resiliency, threat hunting & intelligence, advanced targeted campaigns, future of work, cyber insurance et. al.

Join us to explore 70+ sessions, engage with global security & privacy leaders, and key attractions such as DSCI Innovation Box, Excellence Awards, SERI, Hackathon, Sectoral Meets and Sub Summits.



REGISTER FOR FREE

National Cyber Security Awareness (NCSAM) Initiative

DSCI celebrated National Cyber Security Awareness Month (NCSAM) and championed the cause for the entire month of October to generate momentum and spread awareness on Cyber Security.

We created awareness wallpapers, quiz, infographic and other posters to sensitise individuals on Cyber Security best practices and work from home safety tips. The campaign was well received by the Industry, Government, Academia, Law Enforcement and citizens at large. We received participation from all fronts and many individuals found value who further shared the content.

DSCI organized advisory hour sessions for large scale organizations around themes like 'Mobile Security,' 'Cybersecurity Guidelines for Critical Information Infrastructure', 'Work from Home Best Practices', 'Cybersecurity and Privacy Aspects of the New Normal' and 'Formulating Cybersecurity Policies for Enterprises a DPSU Perspective'. The sessions saw an active participation of over 2600+ colleagues from the member organizations and more than 8 hrs of virtual engagement.

Here's a quick summary of few of the activities:

- The industry specific awareness quiz was played over **2000 times** and participants ranged across IT, Healthcare, BFSI, Oil & Gas, Retail, Entertainment, etc. from all job roles.
- The wallpaper got adopted on over **2,50,000 desktop/laptop screens**
- The awareness infographic, posters were appreciated and widely circulated over Social Media
- A special citizen awareness quiz has been hosted along with MyGov which has already been played by **60,000+ citizens** and is running live until 27th November.









We also received extraordinary support from various bodies such as **MyGov, Canara Bank, SJVN Limited, CID Karnataka** and many others who widely circulated the campaign content and led a key role in its success.

MyGov & DSCI are also conducting an awareness quiz which is currently live on the MyGov Quiz Platform. This initiative attempts to reach out to mainly citizens at large and help them learn basic Cyber Security hygiene in a fun & interactive way.





READ THE COMPREHENSIVE REPORT

Capacity Building

➢ Resume & Career Clinic Virtual Edition

DSCI, along with FutureSkills, collaborated with Nullcon for hosting the fifth edition of Resume and Career Clinic Virtual Edition. The session was designed to bring together experts in the infosec industry who have significant experience and are flourishing in their respective positions to guide and mentor applicants who have shown an inclination towards a career in the infosec space.

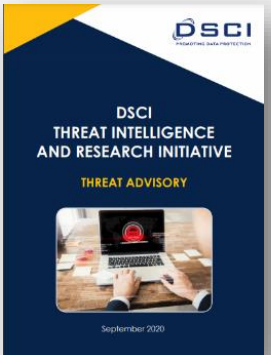
14 mentors onboarded to network, collaborate, share ideas, and guide the participants about various aspects of the infosec industry.



Threat Intelligence and Research (Ti&R)

DSCI Ti&R wing published the October edition of its Threat Advisory which includes recent ransomware threats targeting businesses and individuals: VictoryGate, AHP, Stitch, DuckRAT, Speculoos and CRPTD ransomware.

READ ALL ADVISORIES



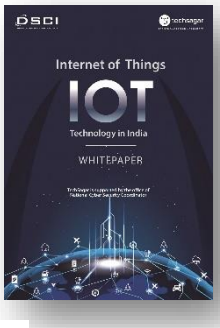
TechSagar: India's Cybertech Repository

TechSagar is a consolidated and comprehensive repository of India's Cybertech capabilities which provides actionable insights about capabilities of the Indian Industry, Academia & Research across 25 technology areas like IoT, AI/ML, Blockchain, Cloud & Virtualization, Robotics & Automation, AR/VR, Wireless & Networking, and more. It is supported by the office of National Cyber Security Coordinator, and allows targeted search, granular navigation and drilldown methods using more than 3000 niche capabilities.

TechSagar publications for the month of October are:

- **Whitepaper on 'IoT Technology in India'**

As more gadgets in the home and workplace get connected to the internet, the digital security of the Internet of Things (IoT) is turning into a developing concern. With smart devices connected with edge gateways or cloud platforms, IoT will also create the fastest data streams through sensors along with producing a bigger amount of data than any other emerging technology. This paper outlines the top IoT trends in 2020, leading IoT initiatives, key application areas and the leading IoT security challenges that enterprises must address.



- **Summary of TechSagar EmergingTech Webinar series- Unmanned Aerial Vehicle (UAV)**

Growing market for UAV Technology, 'Making India a Drone Manufacturing Hub' and the need for innovative culture and standardization in the field of UAV in India.

- **Summary of TechSagar EmergingTech Webinar series- Unmanned Aerial Vehicle (UAV)**

Views on the growth, challenges, and opportunities in the country when it comes to Nanotechnologies and Nanoparticles.

READ ALL WHITEPAPERS

Industry Development

- **Infosys & DSCI – Deep Dive Sessions for the Start-ups**

Based on the outcomes of DSCI & Infosys Start-up Day, DSCI organised a series of deep dive sessions for the Indian CS Start-ups companies in October. These discussions provided the opportunity to all start-ups to further engage with the key leadership team in terms of encouraging start-up innovation, build new or strengthening existing capabilities, enabling market scale up via global expansion, joint go-to-market solutions to the global customers, and promoting the development of complementary skills.

- **Cyber Security Grand Challenge**

DSCI organized a Virtual Session with experts for the participants of MVP stage of Cyber Security Grand Challenge. The session was conducted to provide guidance to conclude the work at Prototype stage and to address the specific questions & queries. The jury is currently reviewing MVP stage candidates and the MVP stage finalists will be announced soon.

- **Product Report 2.0 Survey Roll Out**

A product report survey was rolled out to relevant stakeholders with an objective to gather & collate responses from the Indian cybersecurity product providers. The collected insights & responses will be utilised to build up the key data points for planned research reports on Indian Cyber Security Product Landscape.

National Centre of Excellence (National CoE)

➢ Light-Weight Cryptography Cipher Design Challenge

Natioal CoE conducted a three-day workshop on light weight cipher design in collaboration with R. C. Bose Centre for Cryptology and Security-ISI Kolkata. Distinguished and experienced academicians & researchers participated in the discussion and exchanged innovative insights with the participants to equip them with the right skills to design optimized light-weight ciphers. The objective of this comprehensive workshop was to enable the participants to think out-of-the-box.



LEARN MORE

➢ Virtual Hackathon with Infosys

To bolster the security ecosystem of the BFSI sector, National CoE organised a virtual Hackathon in partnership with Infosys. The BFSI hackathon gave an innovative platform to all the Cybersecurity enthusiasts to unleash their skills and solve complex challenges faced by the banking institutes in today's tech-age. The objective of the hackathon was to test the financial sector specific competencies and skills in domains like:

Network Security, Cryptography, Malware Analysis and Reverse Engineering, Web Application, Securing real-time payments, Payment Channel Security, Authentication and Authorization, Payment Mobile Applications/ Wallet, etc

The hackathon witnessed 39 participants and the 3 winning teams were awarded INR 2.25 lakh in prize money.

Special Sessions:

- ❖ In the Cypto Innovation Series, another session was conducted on 'The Rise of Fall of a CIPHER'. Dr. Sourav Sen Gupta, NTU, Singapore was the key speaker, who shared his insights with students, academia, start-ups and industry professionals.
- ❖ In order to promote a good organisational structure, National CoE conducted a session on 'Building Elastic Teams'. This session was conducted with support of Korn Ferry (Korn Ferry is a global organizational consulting firm, synchronizing strategy and talent to drive superior performance). It was attended by start-ups from different stages.

Cybersecurity CoE Telangana (CCoE)

Digital Mission Inaugural with Hague Security Delta & Netherlands Embassy India

India and the Netherlands cooperation initiatives have been further strengthened by the inauguration of the Digital Mission and the first Indo Dutch Cyber Security School. Since cybersecurity has been recognized as one of the key thematic points in bilateral ties between the two countries, the Digital mission is a step ahead in this direction, aimed at developing solutions and sharing knowledge on cybersecurity.

➢ Special Sessions

❖ Doing Business in the Netherlands – Gateway to Europe

In order to facilitate market access to Indian companies in international markets, CCoE organized a webinar to address some of the key elements when doing business in the Netherlands and share some of their best practices. Further discussions on business opportunities the Dutch cybersecurity cluster has to offer to companies looking at setting up or expanding their business operations in the Netherlands. 50 Indian companies participated in this session.

❖ **Indo - Dutch Start-up Scaleup Connect Session**

It brought forth 13 cybersecurity start-ups from India and the Netherlands. These start-ups presented their solutions with fellow start-ups, corporate organizations, and investors. The event aimed to provide Ind/NL access, customers, and funds to these start-ups.

❖ **Indo-Dutch Cybersecurity School 2020 (IDCSS)**

This online programme designed to educate students and faculty in the field of cybersecurity through a series of lecturers from Industry experts, while facilitating the cooperation between the Municipality of The Hague, and the Indian states of Telangana and Karnataka. The programme consists of live lectures and assignments, called "challenges", that cover aspect of cybersecurity including ethics, accountability, hardware security, incidents' response, data protection, norms and governance. 965 students participated from Technology, Law, Business and Privacy fields.

❖ **MoU with the Hague Security Delta**

CCoE & the Hague Security Delta have signed an MoU at 'Digital Mission: Ind-NL Cybersecurity' event. The partnership will facilitate R&D, cooperation for enterprises, knowledge institutions & activities to empower the cybersecurity & privacy domains of both countries.

Centre for Cybercrime Investigation Training & Research (CCITR)

Courses	Participants Trained
2-Day Training Program	240
1-Day Training Program	250
Special Sessions	450
Total no. of Participants Trained	**940**

➢ **2-Day Virtual Training Program for CEN Police Personnel – Level I**

CCITR conducted two batches of level-1 virtual training on "Basics of Mobile Phone Forensics, installation and usage of UFED 4PC toolkit" for police personnel from Cybercrime, Economic Offences and Narcotics (CEN) Police Stations located across Karnataka State. Trained 240+ Police personnel holding ranks of Police Inspector, Police Sub-Inspector, Civil Head Constable & Civil Police Constable.

➢ **1-Day Virtual Training Program for CEN Police Personnel**

1-day virtual training for police personnel and a session on 'Standard Operating Procedures for Handling Digital Evidence issued by DG & IGP, Karnataka State' was also conducted with participants from Cybercrime, Economic Offences and Narcotics (CEN) Police Stations located across Karnataka State. Trained 250+ Police personnel of the rank of Deputy Superintendent of Police, Police Inspector, Police Sub-Inspector, Civil Head Constable and Civil Police Constable.

➢ **Special Sessions**

- CCITR Team assisted CID Karnataka team in conducting a 2-day workshop on 'NDPS (Narcotic Drugs and Psychotropic Substances) Act' for the Karnataka State Police Personnel at CCITR, CID HQ, Bengaluru.
- CCITR was invited for the webinar conducted for Assam Judiciary of the rank of Grade - 1 & Judges from North Eastern States.
- CCITR was invited for the panel discussion on "Do your Part. #BeCyberSmart" organized by the U.S consulate General in Chennai and United States-India Educational Foundation (USIEF) and jointly organized with program partners Social Media Matters, Nation Law School of India University (NLSIU) and AIESEC in Chennai.





Awareness & Outreach

Virtual Engagements

Virtual Sessions

Open for All

Total Sessions ➡ 10
Total Attendees ➡ 960

Member Exclusive

Total Sessions ➡ 4
Total Attendees ➡ 383

NCSAM Member Awareness Sessions

Total Sessions: 5 | Total Attendees: 2600+

Companies we associated in October

- TENABLE
- ONGC
- SMOKE SCREEN
- GAIL
- KORN FERRY
- NHPC
- BEL

➢ Key Sectors

IT & EDUCATION	BFSI/RETAIL	AEROSPACE/ DEFENSE	GOVERNMENT
CYBER SECURITY STARTUPS	HEALTHCARE	TELECOMMUNI-CATIONS	LAW ENFORCEMENT

➢ Key Topics

- Light Weight Cipher Design by NCoE
- Crypto Innovation Series by NCoE
- DSCI-Tenable on 'The Rise of Business'
- DSCI-Smokescreen on 'Nation-State level attacks with Deception Technology'
- NCoE-Korn Ferry on 'Start-up Organizational Structure'
- IN-NL Cybersecurity by CCoE
- TechSagar on AR/VR Technology
- DSCI-GAIL on 'Mobile Security'
- DSCI-ONGC on 'Cybersecurity Guidelines'
- DSCI-NHPC on 'Cybersecurity & Privacy Aspects'
- DSCI-BEL on 'Cybersecurity Policies for Enterprises'

Member Exclusive Sessions