December 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

CAPACITY BUILDING

RATS SCO Practical Seminar on “SECURING THE CYBER SPACE FRONTIERS” Organized by National Security Council Secretariat of India

National Security Council Secretariat (NSCS), Government of India, in association with Data Security Council of India (DSCI) as a knowledge partner organized the 3rd edition of RATS SCO practical seminar on “Securing the Cyberspace Frontiers” for delegates from Shanghai Cooperation Organization (SCO) Member States and representatives of EC RATS SCO.

RATS SCO
…CAL SEMINAR ON
…CURING THE
SPACE FRONTIERS
Dec 14-15, 2022
Hotel THE LALIT, New Delhi, India

The seminar focused on various key areas, such as-

- Examined on issues related to the misuse of the Internet by terrorists, separatists and extremists.
- Offered a unique look at a range of challenges faced by the SCO member countries.
- How social media is turning into a “Toolkit” of terrorists along with its threats and challenges.
- The participants shared their experience on identifying anonymous users of various messenger platforms and social media networks, dark web and regulatory challenges, cryptocurrency etc.
- Extensive discussion regarding protecting Critical Information Infrastructure (CII), especially from the cyber-attacks like Ransomware which is now becoming a preferred tool for the TSEs.

As part of the seminar, the delegates were provided ‘Hands-On’ Discussion Exercise on understanding the real-world scenarios with respect to the misuse of internet for terrorists, separatist and extremists purposes and the practices in different national jurisdictions to handle the associated challenges.

Privacy Spotlight Series 2.0

The Spotlight Series 2.0 continued this month with the second virtual session on ‘Online Anonymity and Identity Verification’, that focused on understanding the interplay between ‘privacy’ and ‘anonymity’ with special attention to the existence of a ‘right’ to anonymity in the digital realm. The session was conducted by Mr. Sachin Dhawan, Programme Manager at Centre for Communication Governance, joined by the faculty and students of National Law University, Delhi.

AISS 2022
NASSCOM-DSCI ANNUAL INFORMATION SECURITY SUMMIT
#AISS2022
Understanding the draft Digital personal data protection Bill, 2022

Privacy Sub-Summit

Privacy sub summit was organized as a part of the 17th Annual Information Security Summit (AISS) 2022 with the objective to deliberate on the recent developments taking place in Data Protection Bill (DPB) 2022 and DSCI’s privacy & policy highlights.

The sub-summit was conceptualized around various angles of policy advocacy, the extensive agenda was addressed by Senior Vice President, Chief Privacy Officer & DPO, Infosys and Vinayak Godse, CEO, DSCI. The sub-summit was followed by a session with industry Data Protection Officers (DPO) with deliberation on ‘Organizing Internal Policy Function’ which focused on the existing scenario of the regulatory landscape across countries and the evolving nature of data privacy practices.

Sub-summit continued with the delivery of keynote addresses on themes such as evolving privacy expectations, operationalization of privacy by design, and privacy Legisprudence in India, keeping the developments taking place in the Data Protection Bill (DPB). The discussions were deliberated by the panel of industry leaders from Infosys, LTIMindtree, OLX, Centre for Communication Governance, and Deloitte.

Workshop with Government eMarketplace (GeM)

In order to facilitate the onboarding of Indian Cyber security companies and Startups on Government e-Marketplace (GeM), the GeM team conducted a workshop at AISS2022, where start-ups and security product companies learned about the GeM ecosystem, various initiatives to support the emerging players, registration process, and had resolution of their queries.

This Insightful workshop was led by Vishal Kapil, AVP - Seller Management & Anoop Dhanvijay, Director - CPSEs & Ministries, Government e-Marketplace.

The workshop aimed at giving a complete insight on the services & facilities provided on the GeM platform with a step-by-step approach on how to register on the portal. Such facilitation and support from key stakeholders really help build a strong Innovation ecosystem in the country.

THOUGHT LEADERSHIP

Gearing Up for Digital ++ Reimagining Security and Trust

DSCI
PROMOTING DATA PROTECTION
A NASSCOM® Initiative

GEARING UP FOR DIGITAL++
REIMAGINING SECURITY AND TRUST

EDITED BY
Rama Vedashree
Munish Sharma

DSCI’s first-ever edited volume- Gearing Up for Digital ++ Reimagining Security and Trust was launched at the inaugural session of the 17th edition of AISS 2022 by the former CEO of DSCI, Ms Rama Vedashree and Mr Munish Sharma, who are also the editors of the book. The book was officially launched in the presence of Mr. Vinayak Godse, CEO, DSCI, Mr Rajendra S Pawar, Chairman, DSCI and Dr. Saurabh Garg, Chief Executive Officer (CEO), Unique Identification Authority of India.

The book is an anthology of articles authored by distinguished leaders coming from diverse experiences across sectors, industry, policy, diplomacy and law who have composed views on some of the pertinent themes of our times into an edited volume.

Aligned with DSCI’s thought leadership mandate, the book focuses on security, trust, privacy and other prominent issues arising out of the contemporary developments in digital space which have implications both for the industry and policy-making at large. This volume is divided into three sections- Accelerating Digital++, Securing Digital ++ and Future of Digital++, focusing on various complexities and angles of digital infrastructure as a wholistic subject matter.

We thank all the authors who have contributed to this effort and help us made this edited volume possible.

Download the ebook now-
https://www.dsci.in/content/gearing-up-for-digital/reimagining-security-and-trust

GEARING UP FOR DIGITAL++
REIMAGINING SECURITY AND TRUST
AISS 2022

AWARENESS AND OUTREACH

17th Edition of the NASSCOM-DSCI Annual Information Security Summit (AISS) 2022

This year, the 17th edition of the NASSCOM-DSCI Annual Information Security Summit (AISS) 2022 and the 12th edition of DSCI Excellence Awards was hosted in a physical capacity after a gap of two years of hosting in virtual mode.

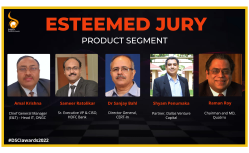
The three-day long event took place on 20-22 December 2022 at The Leela Ambience Hotel, Gurugram, joined by Hon’ble chief guest, Dr. Saurabh Garg, CEO, Unique Identification Authority of India and Mr. Rajendra S Pawar, Chairman & Co-Founder, NIIT Group for the Inaugural and the book launch titled “Gearing Up for Digital ++ Reimagining Security and Trust”.

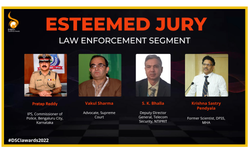
The event also successfully hosted many key sub-events with the presence of top security professionals, dignitaries and delegates who came from diverse sectors.

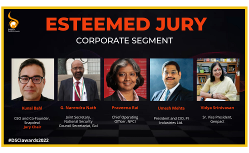
12th Edition of DSCI Excellence Awards 2022

DSCI Excellence Awards is a platform that is designed to celebrate and honor the noteworthy contributions of individuals and organizations to the subject and profession of cybersecurity and data protection.

The winners of the 12th edition excellence awards were selected with scrutiny by the eminent jury panel


ESTEEMED JURY
PRODUCT SEGMENT
Amal Krishna
Chief General Manager (E&T) – Head IT, ONGC
Sameer Ratolikar
Sr. Executive VP & CISO, HDFC Bank
Dr Sanjay Bahl
Director General, CERT-In
Shyam Penumaka
Partner, Dallas Venture Capital
Raman Roy
Chairman and MD, Quatrro
#DSCIawards2022


ESTEEMED JURY
LAW ENFORCEMENT SEGMENT
Pratap Reddy
IPS, Commissioner of Police, Bengaluru City, Karnataka
Vakul Sharma
Advocate, Supreme Court
S. K. Bhalla
Deputy Director General, Telecom Security, NTIPRIT
Krishna Sastry Pendyala
Former Scientist, DFSS, MHA
#DSCIawards2022


ESTEEMED JURY
CORPORATE SEGMENT
Kunal Bahl
CEO and Co-Founder, Snapdeal
Jury Chair
G. Narendra Nath
Joint Secretary, National Security Council Secretariat, GoI
Praveena Rai
Chief Operating Officer, NPCI
Umesh Mehta
President and CIO, PI Industries Ltd.
Vidya Srinivasan
Sr. Vice President, Genpact
#DSCIawards2022

DSCI received total **288 nominations** under three segments (highest till date)

26 **Product Segment**	**64** **Law Enforcement Segment**	**198** **Corporate Segment**

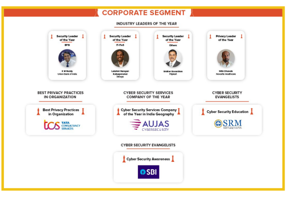
Most hotly contested categories were

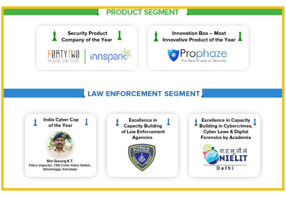
CYBER COP OF THE YEAR **47** Nominations	**SECURITY LEADER OF THE YEAR** **45** Nominations

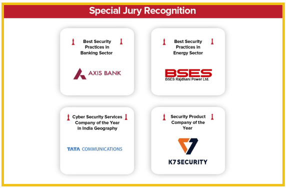
Nominations were received under

21 AWARD CATEGORIES Including Sub-Categories	**27 WINNERS FELICIATED** Including 4 Special Jury Recognition

DSCI Awards 2022 Winners


CORPORATE SEGMENT
INDUSTRY LEADERS OF THE YEAR
Security Leader of the Year
BFSI
K M Reddy
Union Bank of India
Security Leader of the Year
IT-ITeS
Lakshmi Narayan Kalyanperumal
Infosys
Security Leader of the Year
Others
Sridhar Govardhan
Flipkart
Privacy Leader of the Year
Nitin Dhavale
Novartis Healthcare
BEST PRIVACY PRACTICES IN ORGANIZATION
Best Privacy Practices in Organization
TCS TATA CONSULTANCY SERVICES
CYBER SECURITY SERVICES COMPANY OF THE YEAR
Cyber Security Services Company of the Year in India Geography
AUJAS CYBERSECURITY
CYBER SECURITY EVANGELISTS
Cyber Security Education
SRM
CYBER SECURITY EVANGELISTS
Cyber Security Awareness
SBI


PRODUCT SEGMENT
Security Product Company of the Year
FORTYTWO
innspark
Innovation Box – Most Innovative Product of the Year
Prophaze
The New Phase of Security
LAW ENFORCEMENT SEGMENT
India Cyber Cop of the Year
Shri Gururaj K.T.
Police Inspector, CEN Crime Police Station, Shivamogga, Karnataka
Excellence in Capacity Building of Law Enforcement Agencies
CYBER POLICE
Excellence in Capacity Building in Cybercrimes, Cyber Laws & Digital Forensics by Academia
रा.इ.सू.प्रौ.सं
NIELIT
Delhi



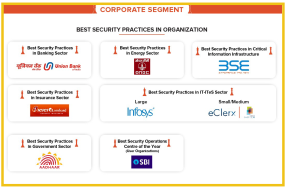
Special Jury Recognition

Best Security Practices in Banking Sector – AXIS BANK

Best Security Practices in Energy Sector – BSES Rajdhani Power Ltd.

Cyber Security Services Company of the Year in India Geography – TATA COMMUNICATIONS

Security Product Company of the Year – K7 SECURITY



CORPORATE SEGMENT

BEST SECURITY PRACTICES IN ORGANIZATION

Best Security Practices in Banking Sector – Union Bank of India

Best Security Practices in Energy Sector – ONGC

Best Security Practices in Critical Information Infrastructure – BSE

Best Security Practices in Insurance Sector – ICICI Lombard

Best Security Practices in IT-ITeS Sector – Large: Infosys; Small/Medium: eClerx

Best Security Practices in Government Sector – AADHAAR

Best Security Operations Centre of the Year (User Organizations) – SBI

9th Edition of DSCI Innovation Box

DSCI hosted the 9th edition of Innovation Box, a platform built to encourage budding entrepreneurs and start-ups by recognizing innovation in the domain of cyber security and privacy technology.

Six of National CoE's incubated start-ups: Cyberstanc, Disecto, napID, Prophaze, Protectt.ai, and SecneurX, participated in the innovation box to join the anthem and showcase the innovation capabilities of their products and services. The top-ranked start-up, Prophaze, was rewarded as "The Most Innovative Product of the Year". It addresses real risks, builds resilience, increases trustworthiness, and creates a conducive environment for businesses, thus enabling organizations to harness security as a lever for business growth.

WINNER
Innovation Box – Most Innovative Product of the Year
#AISS

Cybersecurity CTF Hackathon

DSCI in partnership with EY organized the 6th edition of Capture the Flag - Cyber Security Hackathon on the first day of AISS 2022. 55+ teams with over 110 participants fought for the grand title by solving 70+ challenges related to digital forensics, network security, cryptography, reverse engineering, system exploitation among others.

1st Runner Up

HACKATHON 2022

HACKATH
CAPTURE THE FLAG
at #AISS 2022 on 20 Dec 2
Team Members
Manan Garg
Aryaman Behera

Winners' Details-

Position	Team Name	Team Member Name
Winner	1nv4s10n	Manan Garg
Winner	1nv4s10n	Aryaman Behera
1st Runner Up	kernel_panic	Ashutosh Srivastava
1st Runner Up	kernel_panic	Abhinav Saini
2nd Runner Up	Loli_pwn	Manas Chaudhary
2nd Runner Up	Loli_pwn	Anshul Singh

Diversity Session

A session on 'Diversity and Inclusion: Women in Security' was organized on the sidelines of AISS 2022, the session was led by -Mr. Visagan Subburayalu, Senior Director, Technology, Target in India -Mr. Vinayak Godse CEO, Data Security Council of India -Ms. Leenika Khattar, Director of Diversity, Inclusion, and Belonging – Charter, NASSCOM -Ms. Sakshi Vidur, Director Information Security, Ex - Philip, Ex - Yum! Brands -Ms. Selva Rani, Cyber Security Delivery Head.

The discussion aimed to bring in various perspectives around the changing role of women in security and discuss measures that should be taken to reduce the gender gap in the industry. Alumni of Cybershikhsaa program present at the session added to the discussion by sharing their struggles of re-entering the industry after a long career break, and how CyberShikshaa course helped them make a comeback

Digital Forensics Sub-Summit

The 4th edition of Digital Forensics Sub-Summit was inaugurated by Hon'ble Justice Talwant Singh, High Court of Delhi in the presence of Mr. P.S. Sandhu, I.P.S, DGP, CID, Karnataka, Mr. Rajendra S Pawar, Chairman, DSCI, and Mr. Vinayak Godse, CEO, DSCI at Annual Information Security Summit 2022.

As part of the sub-summit, the following activities were done-

- Short lecture sessions by experts around issues related to procedures, technology and legal proceedings of Digital Forensics were organized under Digital Forensics Paata Shaala.
- A Moot Court Session on Handling of Digital Evidence in Crime Investigation was organized to sensitize the participants about digital evidence's legal and technical aspects and its role in prosecution of cybercrime cases.

To perform the moot court, a sample cybercrime case scenario was selected, and the following stages of trial proceedings were simulated:

- Collection of digital evidence.
- Testimony, affidavit and deposition of evidence.
- Chief and cross examination.
- Interpretation of report by an expert under Indian Evidence Act & IT ACT, 2000.
- Legal aspects of digital evidence.

Resource person for the moot court were:

- Hon'ble Justice Talwant Singh, High Court, New Delhi (Judge)
- Mr. Vakul Sharma, Advocate, Supreme Court (Defense Lawyer)
- Mr. Atul Kumar Pandey, NLIU, Bhopal (Public Prosecutor)
- Mr. Krishna Sastry Pendyala, Former Scientist, CFSL (Forensic Expert)
- Mr. K N Yashavantha Kumar, DySP, Karnataka Police (Investigating Officer)

CMO Discussion

As a part of the extensive agenda of AISS 2022, the CMO discussion was conducted with the industry experts, the discussion was based on the theme- 'Digital Renaissance- understanding the impact of the DPDP Bill 2022 on marketing.'

The format of the session was a campfire-style discussion led by the anchors, Vatsal Asher, CEO, DMA & Sukrit Ghosh, Sr. Manager, DSCI.Participants from organizations like Infosys, ZS Associates, HT Media, etc. were engaged in a discussion that centered around how global privacy laws have impacted businesses and what will be the expected impact of the digital Personal Data Protection Bill 2022.

Around the perimeter of the expected legislation, the session witnessed discussions on the future of online behavioral advertising, the impact on the associated revenue streams, and other aspects of the business, with a focus on the adoption of self-regulation in view of innovation and the growth of digital. The group also examined how self-regulation can help protect consumer privacy and build trust in the industry.

KEY HIGHLIGHTS

- 1300+ Delegates
- 240+ Global leaders/ Industry experts
- 70 Sponsors, partners & exhibitors
- 23 Industry Keynotes
- 2 Fireside Chats
- 9 Deep-dive workshops
- 1 DSCI Hardware security Masterclass
- 4 Plenaries
- 10 Special Sessions
- 32 Breakout sessions
- 2 Sub events
- 2 Sub summits
- 1 Book launch
- 66 Exhibition booths
- 1 Start-up pavilion
- 2 networking dinners

Every year, AISS delivers new learnings and sets up new expectations of upscaling the summit with a more exhaustive agenda, content line, and participation. We would like to take this opportunity to acknowledge your efforts and thank you again for your partaking and contribution.

AISS 2022 Gallery

DSCI EXCELLENCE AWARDS
Edition 12 | December 2022
THE GRANDMASTERS OF CYBER SPACE
Honouring stellar work in cyber security and privacy

THE GRANDMASTERS OF CYBER SPACE
DSCI EXCELLENCE AWARDS 2022
Honouring stellar work in cyber security and privacy

AISS 2022
#AISS2022

View Summit Photos

CENTRES OF EXCELLENCE (COE)

Centre for Cybercrime Investigation Training & Research (CCITR)

Workshops, Training Programs and Seminars

- Conducted two batches of a 3-day workshop on 'Cyber Law and Cyber Crimes' for 60 Judicial officers of the rank of District and Sessions Judges, Senior Civil Judges and Civil Judges from Karnataka Judicial Academy, Bengaluru.
- Conducted a 2-day workshop on 'Cyber Law & Cybercrimes' for 28 Public Prosecutors of Karnataka.

- Conducted 2-day virtual training program on "Cybercrime Investigation Techniques" for 150+ Probationary Police Sub-Inspectors and Reserve Police Sub-Inspectors from PTC, Kalaburagi. Participants were made to understand emerging trends in cybercrimes, and the role of electronic evidence in criminal investigation.
- Conducted a day training program for 25 officers of the rank of Superintendent of Police, Deputy Superintendent of Police, Police Inspector from CID, Karnataka on "Is it safe to Deploy Unmanned Aerial Vehicle Monitoring Systems at Critical Infrastructural Assets?
- Organized a 2-day seminar in association with National Security Council Secretariat (NSCS), Government of India and DSCI on "Securing the Cyberspace Frontiers" for delegates from Shanghai Cooperation Organization (SCO) Member States and representatives of EC RATS SCO in New Delhi.

NATIONAL CENTRE OF EXCELLENCE (NCOE)

Hardware Security Workshop

National CoE conducted a one-day close door workshop for Hardware Security to deliberate the approach to Firmware Reverse Engineering with Ghidhra and Bluetooth Hacking with more than 30+ participants from industry and academia such as DRDO, Ericsson, Siemens, Society for Electronic Transactions and Security (SETS), HPCL, and SISA.

The workshop was led by Mr. Teja Chinatalapati, Senior Consultant, and Ms. Surbhi Chhabra, Consultant- Hardware Security, Centre of Hardware Security Entrepreneurship Research & Development (C-HERD).

Ghidra, a Software Reverse Engineering (SRE) toolkit created by the NSA to aid in the firmware reverse engineering of embedded devices, was a focus of the training. The participants received instruction to get started with Ghidhra and analyse one firmware image retrieved from a device in production because of the ubiquitous use of embedded systems. Participants also received training in Bluetooth hacking using low-cost hardware tools and open-source software.

After the completion of the workshop, a replay attack was successfully launched against a well-known consumer-level gadget.

Start-UP Pavillion

National CoE organized a start-up pavilion at AISS 2022, inaugurated by Ms. Tulika Pandey, Scientist 'F' & Director, Ministry of Electronics & Information Technology, GOI, with a capacity of 12 pods, and 11 incubated start-ups. It was an attempt to provide a platform for NCoE's incubated started to network and pitch their high-potential cybersecurity products. NCoE.

Other activities

- Two of the National CoE start-ups, Innspark and Fortytwo Labs, bagged the DSCI Excellence Awards in Best Security Product of the year category.
- Hardware Security project (C-Herd) and National CoE successfully hosted an in-person grand finale of Embedded Security CTF 2022 (Capture The Flag) at IIT Madras (Collaborator) Campus, to provide a platform for students, start-ups, and corporate employees to showcase their skills in Hardware Security.
- 19 finalist teams out of 500 participant teams qualified for the grand-finale and winners were declared post thorough evaluation.

Winners' Details-

Position	Team Name	Individual's Name	Institute / Organization
First	Avrrop	Harish R R Sai Ashwin	IIT, Madras
Second	Int0x80	Pranava Singhal Nikhil Kaniyeri Vivek Veer	IIT, Bombay
Third	CatPwnies	Arjun g u	Sri Jayachamarajendra Polytechnic College
		Ajay SK	Larsen and Toubro Infotec Limited
		Rishikesh KS	Valuementor Infosec Pvt Ltd
Additional	Fl4g Sm4sher	Vipul Poddar Amool Kuldiya Mohammad Rafivulla Swastik Sarkar	NIT, Durgapur

- National CoE's 4 incubated start-ups - Innspark, SISA, Wizhack and Tsaaro participated in Arab International Cybersecurity Summit (AICS) 2022 at Exhibition World Bahrain. The summit served as the largest convention for government regulators, industry professionals, and solution providers to discuss and devise strategies to secure cyber and IT infrastructure.
- National CoE with its 3 incubated start-ups; SecneurX, Vlinder Labs and RISKPRO participated in NASTech 2022 held in Bangalore and Chennai. The event served discussions, informative sessions, knowledge dissemination, and enriching conversations on why it is imperative for businesses to embrace emerging technologies to help them stay on the course.

CYBERSECURITY CENTRE OF EXCELLENCE (CCOE)

- CCoE team was part of the Indian delegation to the Arab International Cybersecurity Summit (AICS) conference which was held in Bahrain. The team displayed a stall for all three days with the objective to connect with potential partners and investors.
- CCoE displayed a booth at the 2022 edition of NASTech in Hyderabad, representing DSCI and the Government of Telangana, this helped the team in networking with different stakeholders for corporate partnerships, academic collaborations etc.
- At AISS 2022, CCoE had the opportunity to set up a booth and connect with potential stakeholders and industry leaders. The booth observed active participation and visitors which steered discussions on cybersecurity, privacy, and innovation. The stall was visited by eminent leaders and experts.

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