

DSCI

PROMOTING DATA PROTECTION

A **NASSCOM**® Initiative



**AISS
2022**

**NASSCOM-DSCI
ANNUAL INFORMATION
SECURITY SUMMIT**

**Event
Report**



20-22 December, 2022



The Leela Ambience Hotel, Gurugram



AISS2022

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About DSCI

Data Security Council of India (DSCI) is a premier industry body on data protection in India, set up by NASSCOM®, committed to making the cyberspace safe, secure and trusted by establishing best practices, standards and initiatives in cyber security and privacy. DSCI works together with the government and their agencies, Law Enforcement Agencies (LEA), industry sectors including IT-BPM, BFSI, CII, telecom, industry associations, data protection authorities and think tanks for public advocacy, thought leadership, capacity building and outreach initiatives.

For more information, visit: www.dsci.in



About AISS 2022

Amidst the rapidly changing business and technology landscape and highly volatile cyberspace, it becomes important to stay current on the present context and anticipate the challenges in the offing. AISS is one such flagship event which holds an agenda which is typically characterized by a diverse set of themes, sub-themes, topics and sub-topics, multiple tracks, varied session formats and a plethora of activities and experiences that make up for a rich three-day engagement and learning for the delegates.

This year's edition entailed deliberations organized around the broad areas of cyber security leadership, enterprise security strategy, securing third parties and nth relations, security technology & architecture, digital risk management, cyber resilience, expectations and obligations around data protection, security consolidation, platformization, security operations excellence, security for critical and emerging sectors et. al.

The core and fundamental intent of the summit was 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. This enablement was made possible by capitalizing on the elements such as perennial ideas, contextual awareness, technological capabilities, problems and use cases.

An eclectic line up of speakers and subject matter experts from across the board and different parts of the world came together to share their perspective as part of different sessions and formats. AISS 2022 hosted sectoral meetups, sub summits, parallel track sessions, fire side chats, short presentations and masterclasses..

The Summit also hosted the 12th edition of the Excellence Awards, a platform that celebrates the noteworthy contributions of individuals and organizations to the subject and profession of Cyber Security & Data Protection.

Bird's Eye View / Key Highlights

| | | | |
|---|--|---------------------------------------|-------------------------------------|
| 240+ GLOBAL LEADERS / INDUSTRY EXPERTS | 70 SPONSORS, PARTNERS & EXHIBITORS | 23 KEYNOTE PRESENTATIONS | 09 DEEP-DIVE WORKSHOPS |
| 1300+ DELEGATES | 66 EXHIBITION BOOTHES | 32 BREAKOUT SESSIONS | 02 PLENARIES |
| 02 FIRESIDE CHATS | 02 SUB-EVENTS | 02 SUB-SUMMITS | 10 SPECIAL SESSIONS |
| 02 NETWORKING DINNERS | 01 HARDWARE SECURITY WORKSHOP | 01 BOOK LAUNCH | 01 START-UP PAVILION |

AISS 2022 Key Sub-Events



Inaugural Session

The 17th edition of AISS 2022 and the 12th edition of DSCI Excellence Awards marked a return to physical mode after two years of virtual mode. The three-day event was graced by esteemed guests, including Dr. Saurabh Garg, CEO of Unique Identification Authority of India, and Mr. Rajendra S Pawar, Chairman & Co-Founder of NIIT Group. The event commenced with the inaugural and the book launch titled “Gearing Up for Digital ++ Reimagining Security and Trust.” With the participation of prominent security professionals, dignitaries, and delegates from various sectors, the event successfully organized several key sub-events.



Workshops

01

Hands-On Hardware Security Workshop

1. Firmware Reverse Engineering with Ghidra; 2. Bluetooth Hacking

02

Masterclass by blancco

How to securely sanitize your device to prevent data leak?

03

Masterclass by SentinelOne

Myths and Realities of XDR: Ask the experts the what, the how and the why of XDR

04

Masterclass by tenable

Identifying and Detecting Active Directory Attacks

05

Masterclass by FORESCOUT

Protecting Your Digital Terrain by Building Zero Trust Architecture and Fostering Automation

06

Masterclass by Trellix

Collaboration & Automated Response Exercise (C.A.R.E) SecOps

07

Masterclass by TCS TATA CONSULTANCY SERVICES

Reimagining Cybersecurity: Integrated Platforms are the Future

08

Masterclass by netskope

Let's get Sassy - critical enablers for the modern enterprise

09

Masterclass by target

Synergistic Product Security

10

Masterclass by Qualys

Track 1: Vulnerability Lifecycle management, Risk based Vulnerability Management & Risk Quantification and Treatment

Track 2: Modern Infrastructure Protection-Cloud, Container and Serverless

Hands-On Hardware Security Workshop

1. Firmware Reverse Engineering with Ghidra
2. Bluetooth Hacking

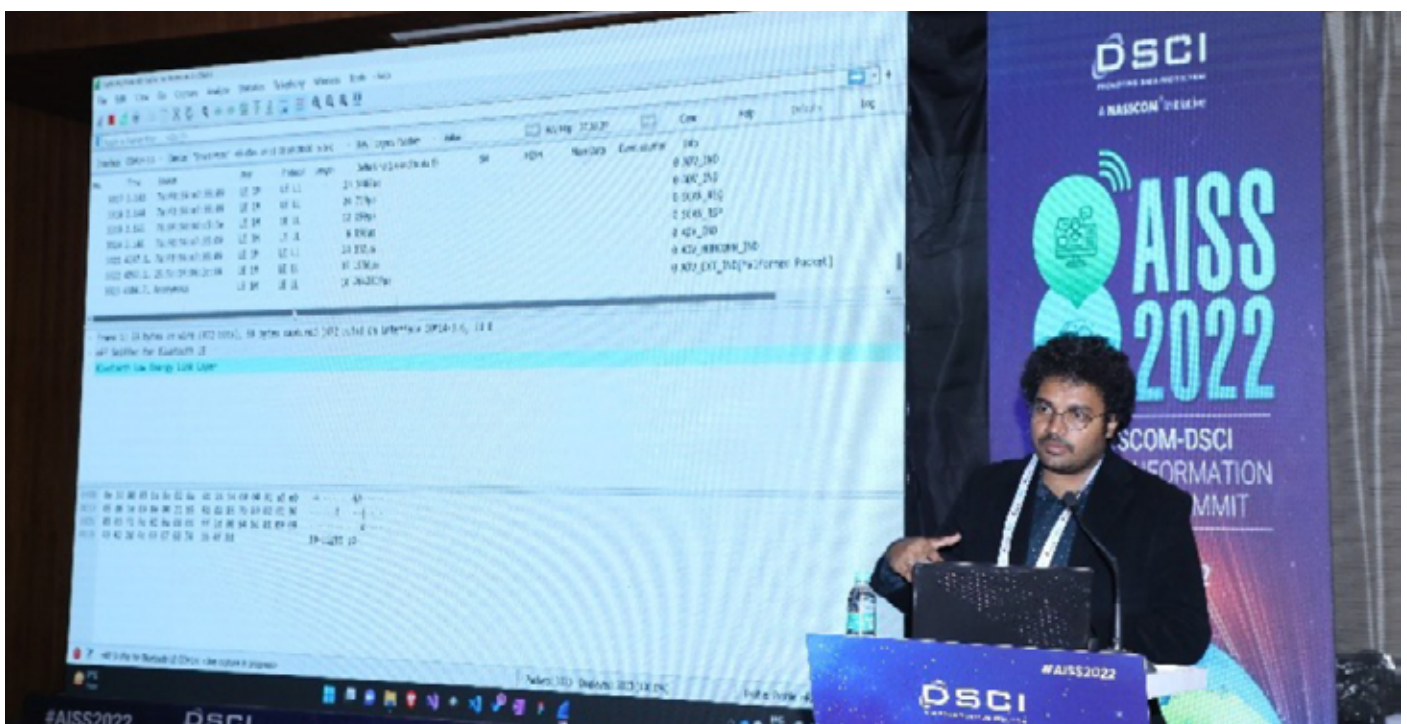
Presented by:

- Teja Chintalapati, Senior Consultant, DSCI
- Surbhi Chhabra, Hardware Security Consultant, DSCI

The objective of this workshop was to provide comprehensive training in firmware reverse engineering using Ghidra, coupled with hands-on experience in executing replay attacks on a widely-used consumer-grade device available in the Indian market. The workshop exceeded expectations, boasting an engaging and interactive session that drew an enthusiastic crowd of over 40 participants, surpassing the originally planned capacity of 30 seats. Attendees included professionals from both industry and academia, making it a resounding success.

Key Takeaways:

1. Ghidra is a free, open-source software reverse engineering tool developed by the National Security Agency (NSA) and made available to the public in 2019. It is used for disassembling and analysing compiled code, and can be used to study how programs work, identify vulnerabilities, and develop exploits. It is widely used by cybersecurity professionals, researchers, and hobbyists to perform reverse engineering on firmware and to analyse malware.
2. At the end of the workshop, participants were able to decompile the file and identify functions (C-Function(s)) of interest. They were able to navigate to main function of the firmware from the reset vector. Lastly, they were able to identify strings from the firmware file and how to use them to build an attack.
3. While bluetooth has been around for ages, Bluetooth Low Energy (BLE) is behind several “smart” gadgets, from Eyeglasses to Heart-Rate Monitors. Unfortunately, bluetooth does not mandate security, resulting in manufacturers releasing several insecure products. Several low-cost BLE sniffers (<= US \$10) can be tailored to run different attacks on BLE Devices. The participants were trained to use a BLE Sniffer and an open-source tool Wireshark to perform a replay attack on a popular consumer-grade device in the Indian market.



Masterclass by Blancco

How to securely sanitize your device to prevent data leak?



Presented by:

- Anurag Nalawade, Director, India, Blancco
- Praveen Jonnekere, Sales Engineering Manager, India, Blancco

The Session gave a complete overview of how 'Data Sanitization' can be done by using the Automated Tool from Blancco. The limitations associated with physical destruction, outsourcing, and low-level formatting have been thoroughly examined. However, these drawbacks can be effectively mitigated through the implementation of data sanitization processes like Blancco. Data Sanitization is the process of securely and permanently erasing sensitive data from IT assets, such as hard drives, laptops, and mobile devices, to prevent unauthorized access and protect against data breaches. Blancco's data sanitization service uses advanced algorithms to overwrite data multiple times to ensure that it cannot be recovered using any software or hardware-based recovery tools. The service also includes a detailed report that provides proof of erasure, including the date, time, and location of the erasure process, as

well as a certificate of destruction for compliance purposes. Blancco's data sanitization service is designed to meet various regulatory requirements, including GDPR, HIPAA, and PCI DSS, and provides organizations with peace of mind that their sensitive data is permanently erased and cannot be accessed or retrieved by unauthorized parties.



03

Masterclass by SentinelOne

Myths and Realities of XDR: Ask the experts the what, the how and the why of XDR



Presented by:

- Govil Rajpal, Cyber Security Architect, SentinelOne
- Prateek Bhajanka, Technology Strategist, SentinelOne
- Shanker Sareen, Marketing Lead, India & SAARC, SentinelOne
- Yashaswi Mudumbai, Director, Solutions Engineering - India & SAARC, SentinelOne



04

Masterclass by Tenable

Identifying and Detecting Active Directory Attacks



Presented by:

- Alvin Yeo, Territory Sales Lead - S.E.A, Greater China and India, Tenable
- Kenneth Teo, Principal Security Engineer, Tenable
- Sudeep Kumar Das, Presales Manager, Tenable



Presented by:

- Ashwin Gothi, Head - System Engineering, India & SAARC, Forescout
- Subbu Iyer, Regional Director, India & SAARC, Forescout
- Vinayak Godse, CEO, DSCI

Mr. Vinayak commenced the session by placing a central emphasis on the message of “Security Share Journey.” He underscored that the dynamics between technology providers, vendors, and users had undergone a transformation from the conventional vendor-buyer relationship to a more symbiotic and cooperative one. The focus is on sharing information and experiences to learn from each other’s exposures in their respective fields as engagement is crucial for a successful partnership.

Key Takeaways:

1. Building a zero-trust architecture, with multiple enforcement points and a common policy engine.
2. Automation is emphasized to minimize human intervention in the security process.
3. Network segmentation policies must be continuously updated as endpoints change, with governance, proactive remediation, and compliance to connect programs.
4. Threat detection and response IS crucial, with vendors like Postcode offering solutions.
5. Importance of collaboration between technology providers and user organizations and ends with a Kahoot quiz.



06

Masterclass by Trellix

C.A.R.E (Collaboration & Automated Response Exercise) SecOps



Presented by:

- Arvind Sharma, Enterprise Technology Specialist, APAC, Trellix
- Hiral Sharma, Solution Architect, XDR -India, Trellix



07

Masterclass by TCS

Reimagining Cybersecurity: Integrated Platforms are the Future



Presented by:

- Aparna Wagle, Cyber Security- Platform Solutions Lead, TCS
- Siddharth Venkataraman, GDPR Consultant & Project Manager, TCS



Presented by:

- Lov Vashist, Senior Sales Engineer, Netskope
- Gurinder Singh, Manager, Sales Engineering- India & SAARC, Netskope
- Geoff Prentis, Senior Director, Solution Engineering, APAC, Netskope
- Deepak Sharma, Sales Engineer, Netskope

The “Let's Get Sassy” workshop by Netskope provided valuable insights into modern security models and strategies for protecting digital resources in an increasingly complex and borderless world. The workshop addressed the changing threat landscape and needs of modern organizations, which have become more agile and flexible due to digital transformation. The traditional approach of securing resources by carrying all user traffic back to central data centers and security stacks is no longer practical. Instead, a convergence model based on zero-trust principles is proposed, which

requires strict identity verification for all users and devices. By adopting this approach, organizations can improve data security and threat protection. The workshop emphasized the importance of a converged approach to networking and security, which combines networking and security to provide a seamless working experience for users irrespective of their location. Moreover, the key enablers for modern enterprises, including data security, visibility, and threat protection, are discussed in detail.

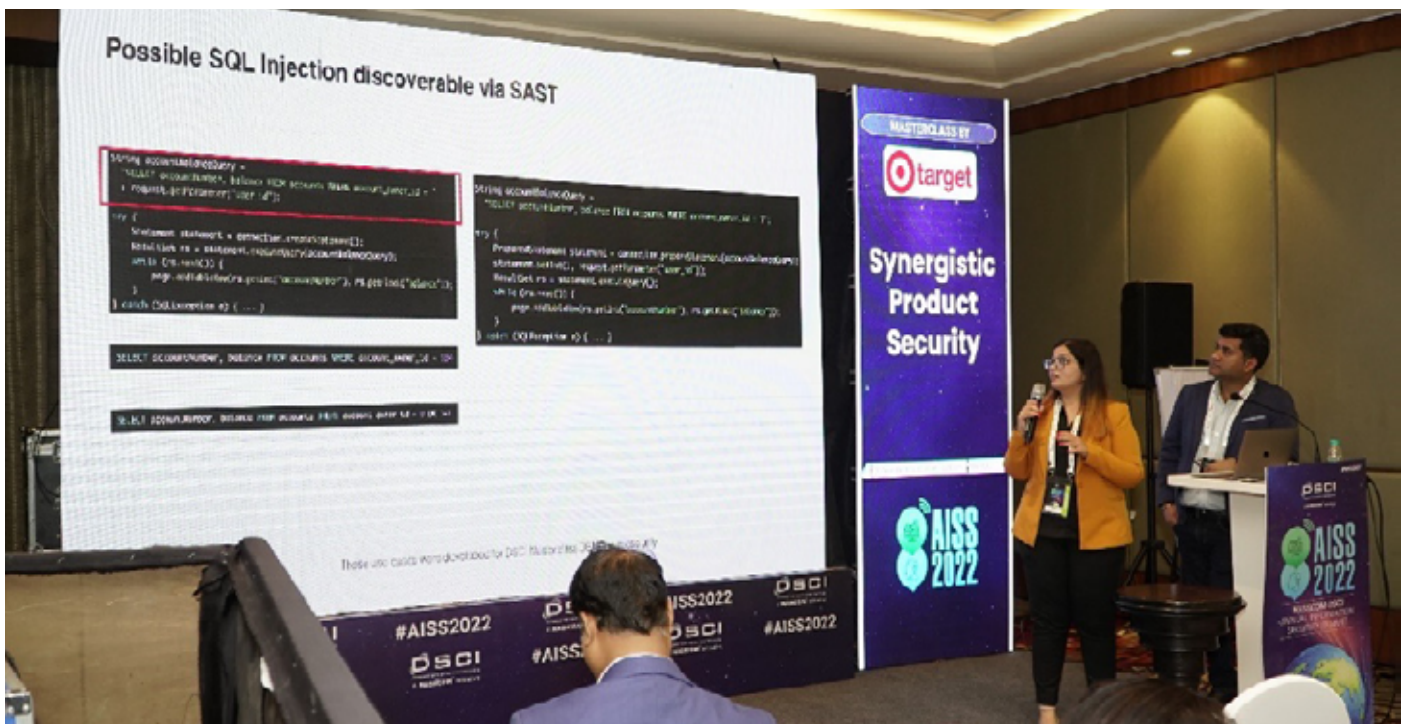


Masterclass by Target Synergistic Product Security



Presented by:

- Bhupesh Kumar Gupta, Director Cyber Security, Target
- Saloni Verma, Lead Engineer Product Security, Target



10

Masterclass by Qualys

Track 1: Vulnerability Lifecycle management, Risk based Vulnerability Management & Risk Quantification and Treatment



Presented by:

- Ankit Wasnik, Solution Architect, Qualys
- Ambarish Bhalekar, Principal, Technical Account Manager – Post Sales, Qualys

The session gave a complete overview of how Qualys can be used for the purpose of VMDR. Qualys Vulnerability Management, Detection and Response (VMDR) is an advanced cloud-based tool for managing vulnerabilities across a broad range of IT assets, including cloud instances, containers, endpoints, web applications, and network devices. VMDR provides comprehensive and continuous visibility into the security posture of an organization's infrastructure, allowing security teams to identify, prioritize, and remediate vulnerabilities quickly and efficiently. The tool also offers automated workflows, threat prioritization, and integrations with third-party tools for seamless vulnerability management. VMDR also offers a holistic approach to vulnerability management and enables organizations to reduce risk and maintain compliance with various security frameworks and regulations.



Masterclass by Qualys

Track 2: Modern Infrastructure Protection-Cloud, Container and Serverless

Presented by:

- Shrikant Dhanawade, Director, Product Management, Cloud Security, Qualys



Plenary Sessions

Digital Economy and Digital Risks

... Bringing technology, architecture, policy, and law enforcement efforts together

01

CISO in the Techade

... What Would be the Role of the CISO in the Technology Decade?

02

Breach Ramifications: a Multi-front Battle

... Customer, Media, Regulators, Security Agencies, and Citizens

03

Large scale Digitization : State of Security & Privacy

04

... Bringing technology, architecture, policy, and law enforcement efforts together

Key discussion areas:

1. In today's world, the digital economy is a major driver of economic growth and innovation, but it also brings with it new and complex challenges. As more and more of our economic activity becomes digital, it is important for businesses and individuals to be aware of the potential risks and take steps to protect themselves and their assets. Digital risks, on the other hand, refer to the risks and challenges associated with the use of digital technologies in the economy. These risks can take many forms, including cyber-attacks and data breaches, online fraud and scams, and the unauthorized access or use of personal data.
2. Assets were owned then; they are shared now. The competition was owned then; it's unpredictable now. Innovation was methodical then; it's rapid now. App-deployments were timely then; it's instantaneous now. Organizations were built to last then; they are built to change now.
3. Three buckets of adversaries – typical e-crime actors whose motivation is primarily financial gains, state-sponsored actors that have geopolitical reasons and typical hacktivists whose motivation is attention via disruption with no financial gain motives.
4. The average time that an adversary takes all the way from initial axis, persistence, lateral movement and finally data exfiltration is anywhere between 98 to 100 minutes.
5. 80-90% breaches have threat actors exploiting MFA in external facing applications and user systems, not restricting access privileges, not patching external facing applications due to pathing syndrome or pathing fatigue and not restricting, alternate remote management tools and not having adequate offline backups in common.

Moderator:

- Umesh Mehta, President & CIO, PI Industries Ltd.

Speakers:

- Narendra Nath G, Joint Secretary, NSCS
- Payal Malik, Adviser (Economics) & Head Economics Division, Competition Commission of India
- Nitin Varma, Managing Director India & SAARC, CrowdStrike
- Shirang Raddi, AVP and Head of Client Relations, Financial Services, Infosys



Key discussion areas:

1. The role of a CISO is critical in today's digital landscape, where cyber threats are constantly evolving and can have significant consequences for businesses and individuals. Malicious actors are targeting the Personal Identifiable Information (PII) and Intellectual Property (IP) of multi-national organizations. With these changing dynamics, the business executives understand that any cyber-attack or a data breach can cost organizations millions of dollars in business loss or regulatory fines, or both. Both internal and external factors discussed above, have helped evolve CISO's role over the past few years. The role of the CISO is to develop and implement policies, procedures, and technologies to prevent cyber-attacks and data breaches, and to respond to security incidents when they do occur. The CISO is also responsible for educating employees on cybersecurity best practices and for working with other members of the organization to ensure that security is integrated into all aspects of the organization's operations.
2. A CISO must carry out activities such as encrypting data, creating backups, monitoring security access, and providing end user training in order to establish a solid security foundation, as well as managing identity and access.
3. Automation of identity and access management, as well as patching, is essential in order to keep track of alerts and incidents for which manual efforts are not sufficient to keep up with the ever-changing security landscape where new approaches are needed to improve the efficiency of these processes.
4. Despite the ever-evolving nature of cyber threats, the primary goal of the CISO remains the same: to reduce the risk of a breach. This requires an adjustment of strategies and approaches to stay ahead of the changing threat assets, threat vectors, and hacker techniques.
5. CISOs are primarily responsible for ensuring that threats do not become business risks, even though scaling is a persistent challenge. It is their top priority to make sure that businesses remain resilient in the face of various forms of attack.
6. The pace of technological change has significantly shifted the role of CISOs, who now need to be more proactive in protecting businesses from emerging threats. Whereas in the past, CISOs had time to research and adapt to new innovations, with the speed at which new technologies are being developed, they now need to be better prepared and able to respond quickly to potential risks. For example, the increased demand for blockchain technology has created an added pressure on CISOs to understand the associated risks and requirements of this technology in a matter of months, as opposed to the 5-10 years it took to identify threats with previous innovations.
7. Digital transformation is an ever-evolving reality that brings with it new and innovative solutions; however, this also means that the concept of security is left behind to a large extent. This is where CISOs need to step in to ensure that cybersecurity measures are implemented and managed in order to keep up with the pace of transformation. Furthermore, legacy devices also present a challenge, as they need to be used while also accounting for any potential vulnerabilities associated with them.
8. Digital transformation can be a great boon for innovation, but a potential burden when it comes to security. For instance, blockchain has the potential to revolutionize many sectors, but its complexity can present an obstacle to auditability. In order to ensure that innovation is not hindered by regulation, it is essential to perform a thorough security analysis before any digital transformation is implemented.

Moderator:

- Sourav Chanda, Country Lead - Cybersecurity, Providence India

Speakers:

- Ashutosh Jain, CISO, IndusInd Bank
- Ganesh AR, CISO, ICICI Bank
- Jacxine Fernandez, VP - Information Security & ICT Governance, Bangalore International Airport Ltd
- Debashish Jyotiprakash, VP Asia & MD India, Qualys



Key discussion areas:

1. The repercussions of a security breach in the network or systems of an organisation are referred to as breach ramifications. This may have a substantial effect on a number of levels, including monetary losses, reputational harm, legal and regulatory repercussions, and diminished consumer confidence. Organizations must concurrently engage internal and external stakeholders, including consumers, workers, shareholders, and regulatory agencies, in order to deal with these effects, which necessitates a multi-front war. Strong security controls, frequent security audits, and having an incident response strategy in place are important methods for reducing the effects of a security breach.
2. Critical assets not adequately taken care of are breached. Assessment and classification are required. Job should be taken as an opportunity to add more capability to the overall security strategy of course.
3. Identifying the critical processes, critical systems, and vital data biggest challenge for large organizations, enterprises need to Incorporate cyber-crime management drills.
4. People take cloud adaption to accelerate their digital ambit and also bypass government processes set for on-prem deployments and creating things in-house.
5. The combination of pure play breach, the complete manifestation of the incident, and tabletop simulations on regular basis inputs can assist in breach handling effectively.
6. Ramifications of breach could be in terms of financial loss, reputational damage, legal and regulatory compliance issues, loss of trust and confidence, and also personal consequences might be involved.

Moderator:

- Sanjay Bahl, Director General, CERT-In

Speakers:

- Jaspal Singh Sawhney, Global CISO, Tata Communications
- Sameer Ratolikar, Senior Executive Vice President & CISO, HDFC Bank
- Arvind Sharma, Enterprise Technology Specialist, APAC, Trellix
- Ashish Upreti, Account Executive, Magnet Forensics



Moderator:

- Sanjay Bahl, Director General, CERT-In

Speakers:

- Mr. P. Prakash IPS, Inspector General of Police, Kerala Cyber Dome
- Mr. Sandeep Khanna, CISO, UIDAI
- Mr. Golok Simli, Principal Advisor & CTO, Passport Seva Programme MEA, India
- Dr. Gulshan Rai, Former National Cybersecurity Coordinator



Speaker Glimpses



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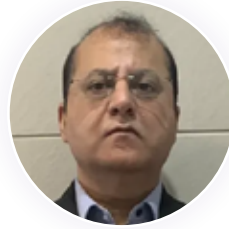
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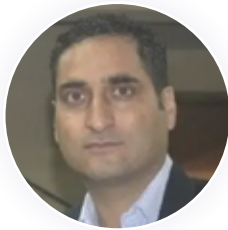
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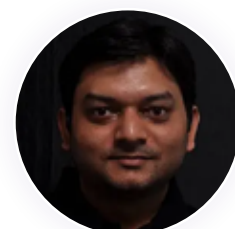
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**KRISHNA SASTRY
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National Security Council
Secretariat



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Tredence Inc



MANOJ TASKER
Country Manager, India,
Anomali



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Sapeint



MOHAN KANCHARLA
Chief Design Officer,
TCS [SCG - EGG]



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RamoGnee Technologies
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Senior Sales Engineer,
Rubrik, Inc.



MUNEER H. KONGAWANI
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Joint Secretary, NSCS



NASSER PRAKASH
CISO - APAC,
Northern Trust Corporation



NAVANEETHAN M
CISO,
Groww



NAVIN MANASWI
CEO and Founder,
WoWExp



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NITIN CHOUHAN
3rd Eye Techno Solutions



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OYO ROOMS



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North Presales,
Palo Alto Networks



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RAHUL MODGIL
CISO,
EPFO



RAHUL RATHORE
Data Privacy & Governance
Officer, Hindustan Zinc
Limited



RAHUL SASI
Co Founder, CEO,
CloudSEK



**SHRI RAJEEV
CHANDRASEKHAR**
Hon'ble Minister of State in the
Ministry of Skill Development and
Entrepreneurship; and Electronics
and Information Technology



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Chairman, DSCI



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SVP & Global Business Head -
Blockchain & Metaverse,
Tech Mahindra



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Founder, BharatVerse



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S S SARMA
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CERT-In



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SAIKAT DATTA
CEO & Co-founder,
DeepStrat



SAIKRISHNA BUDAMGUNTA
Founder and CEO,
Saptang Labs



SAIRAM SANTHARAM
Cybersecurity Advisor & CISO,
Leadwall



SAKSHI VIDUR
Director Information Security,
Ex - Philip, Ex - Yum! Brands



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DR. SANJAY KATKAR
Joint MD & Chief Technical
Officer, Quick Heal



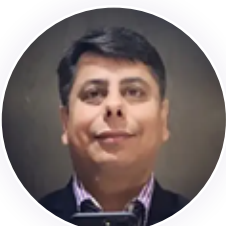
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CISO, Morgan Stanley



SHRIDHAR SHARMA
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Management, Cloud Security,
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AVP and Head of Client
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SIDDHARTH GANDHI
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SUBHAJIT DEB
 CISO, Envoy Global



SUBRAMANIYAM IYER
 Regional Director, India & SAARC, Forescout



SUDEEP KUMAR DAS
 Presales Manager, Tenable



SUMIT BHANDARI
 Head Business Continuity Management and APAC Head of Service Control, UBS



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 Advisor and Consultant to AI and IOT Startup's and ex-Regional Director (IOT) AT&T India



SUNITA HANDA
 Principal Advisor - Strategy, Protectt.ai



SUROJIT DASGUPTA
 Country Manager - India and Saarc Region, Lookout Inc.



SUSHEEL WALIA
 Director, Information Security, Advance Auto Parts India



JUSTICE TALWANT SINGH
 High Court of Delhi



UMESH KUMAR
 Head - Cyber Security, Godfrey Phillips India Ltd



UMESH MEHTA
 President & CIO, PI Industries Ltd.



DR. URBI CHATTERJEE
 Assistant Professor, IIT Kanpur



VAISHNO CHAITANYA
 Tech Evangelist and CTO, Threatensics



VAKUL SHARMA
 Advocate, Supreme Court



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 Head - Global Cyber Security Consulting, L&T Smart World



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Senior Director, DSCI



VIDUR GUPTA
Partner, EY



VIKAS KARUNAKARAN
Head of Threat Research,
Sectrio



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CISO,
Nykaa



VINAYAK GODSE
Chief Executive Officer,
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**VINOD KUMAR
PADMANABHAN**
CEO,
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VINODH KUMAR ALLAM
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Wipro



VISAGAN SUBBURAYALU
Senior Director, Technology,
Target in India



VISHAL MOHANANI
India Sales Director,
Armis



VISHAL OZA
USA Senior Director, Alvarez
& Marsal, Disputes &
Investigations



VISHAL SALVI
CISO & Head of Cyber
Practice, Infosys



VIVEK GOYAL
Risk Head - Payments, Cards
& Digital Loans, HDFC Bank



YASHASWI MUDUMBAI
Director, Solutions
Engineering - India & SAARC,
SentinelOne

Track Sessions - Day 2

21st December, 2022

🕒 02:00 pm - 03:00 pm

📍 Pearl 1

Cryptography 2023 - Concerns, Charter & Cheers

🕒 02:00 pm - 02:45 pm

📍 Maple 1

📍 Maple 2

📍 Royal 1

📍 Royal 2

Track Session 1

DevSecOps: What it is in Reality?

... Interventions,
processes, story
boards, recording,
tools, and
responsibilities

Track Session 2

Time Synchroni- zation: Why it Matters?

... For your and
national cyber
security design
and operations

Track Session 3

Information Warfare in 2022

... What Russia
Ukraine conflict
teaches us?

Track Session 4

PUFs: A Paradigm of IoT Security

... Secure
communication
protocols for IoT
security

🕒 02:45 pm - 03:30 pm

📍 Maple 1

📍 Maple 2

📍 Royal 1

📍 Royal 2

Track Session 5

Data Ownership and Sovereignty

... What it really
means? And, how
they shape your
cloud strategies

Track Session 6

Resilient Industry 4.0

... Architecture,
capabilities,
strategies for OT
incident response

Track Session 7

Hybrid Infra: Continuous Compliance

... Technology and
Process Design,
Automation, and
Demonstration

Track Session 8

Ransomware: Clear and Present Danger

... A real and
imminent threat
demanding
fundamental
changes

🕒 03:30 pm - 04:15 pm

📍 Maple 1

📍 Maple 2

📍 Royal 1

📍 Royal 2

Track Session 9
Identity: A New Perimeter
... *When is borderless, hybrid, cloud enabled, and extending*

Track Session 10
Cloud Security Governance & Assurance
... *Inculcating trust via disciplined implementation*

Track Session 11
FinTech Innovations, integrating them Securely
... *Security when increasing number of FinTechs participating in the transaction processing*

Track Session 12
CSMA: Cyber Security Mesh Architecture
... *Interoperability, coordination, integration, extension, flexibility, and scalability*

Track Sessions - Day 3 22nd December, 2022

🕒 10:00 am - 10:45 am

📍 Maple 1

📍 Maple 2

📍 Royal 1

📍 Royal 2

Track Session 13
Global War and Your Cyber Frontiers
... *Can you isolate your borders from the cyber fallout of the war*

Track Session 14
Cloud Native Attacks: Diving into the Depth
... *real world examples*

Track Session 15
Decade of Authentication
... *Enabling digitization possibilities (offline, contactless, cyber-physical, M2M, etc.)*

Track Session 16
Planning for Metaverse?
... *Security challenges, considerations, use cases*

🕒 10:45 am - 11:30 am

📍 Maple 1

📍 Maple 2

📍 Royal 1

📍 Royal 2

Track Session 17
Data Enterprise: Micro Objectives and Macro Issues
... *Ethics, Privacy, Competition, Innovation, and Openness*

Track Session 18
OT SecOps
... *Building security operations in SCADA/OT environment*

Track Session 19
Cyber Deterrence: Attribution and Signals
... *Challenges of imperfection and unverifiability*

Track Session 20
The Future of Enterprise Networking
... *Connecting And Securing Everything*

🕒 02:00 pm - 02:45 pm

📍 Maple 1

📍 Maple 2

📍 Royal 1

📍 Royal 2

Track Session 21
**Risk
adaptive and
intelligence-
driven
cybersecurity**
... Proactive
detection and
response

Track Session 22
**Strategic
Alternatives:
SASE or SSE or
SD-WAN?**
... Ensuring threat
awareness, data
awareness,
zero trust, and
edge security &
flexibility

Track Session 23
**App
Modernization:
Security
Agenda**
... Taking care
of volume,
velocity, diversity,
heterogeneity, and
agility

Track Session 24
**Cyberphysical:
Every thing will
be Digitized**
... Security
and privacy
considerations in
digitization ideas,
innovation, and
plans

🕒 02:45 pm - 03:30 pm

📍 Maple 1

📍 Maple 2

📍 Royal 1

📍 Royal 2

Track Session 25
**Payment:
Unimaginable
Possibilities
but
Uncontrollable
Frauds?**
... Bringing
technology,
architectures,
policy, and law
enforcement
efforts together

Track Session 26
**Playbooks:
Making your
Investment
work**
... In responding
to incidents [SIEM,
SOAR, EDR, XDR]

Track Session 27
Year of XDR
... Imperatives,
Enablers,
Technologies, &
Possibilities

Track Session 28
**Open
Cybersecurity
Schema
Framework**
... Strengthening
security posture
with data
normalization

🕒 03:30 pm - 04:15 pm

📍 Maple 1

📍 Maple 2

📍 Royal 1

📍 Royal 2

Track Session 29
**Approaches
for Security
Consolidation**
... Ways, methods,
technologies, and
architectures

Track Session 30
**SBOM:
Software and
Supply Chain
Security**
... Software
getting all
attention of
supply chain
security

Track Session 31
**Identity:
Central to
Fintech
Revolution**
... Embedding
security and
privacy in the
strategic, tactical,
and operational
plans

Track Session 32
**Pain points of
Cyber work-
force building**
... demand-supply
gap, scale of re-
quirements, depth
of the subject,
lack of technical
infrastructure and
disaggregated
efforts

Keynotes



Let's Talk Digital

Speaker: Nitin Varma, Managing Director India & SAARC, CrowdStrike



Building a Skilled DFIR Community

Speaker: Darshan Arun Wadikar, Director Technical, 3rd Eye Techno Solutions



The Future is Autonomous: Cybersecurity with AI-powered Automation

Speaker: Diwakar Dayal, Managing Director and Country Manager, SentinelOne India & SAARC



The nextGen CISO

Speaker: Debashish Jyotiprakash, VP Asia & MD India, Qualys



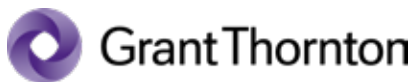
Q2P - Quantify, Prioritize and Protect

Speaker: Mohit Rampal, Founder & CEO, RamoGnee Technologies



A penalty of 285 crore - Learnings from a real-life case. How an updated Data Sanitization policy helps you achieve Security & Compliance?

Speaker: Anurag Nalawade, Director, India, Blancco



Ransomware - A business Perspective

Speaker: Jaspreet Singh, Partner - Clients & Markets Leader - Advisory Services, Cyber & IT Risk, Grant Thornton Bharat



Endpoint to Cloud Security

Speaker: Surojit Dasgupta, Country Manager - India and Saarc Region, Lookout Inc.



Speaker: Pranav Nair, Director- Strategic Alliances and Channel Development, Sectona



Securing More with Less – Cybersecurity Strategies for CISOs in 2023

Speaker: Sandeep Aurora, Director - Government Affairs & Public Policy



A converged IT-OT cybersecurity. Core-process protection for Industrial Enterprises

Speaker: Kirill Naboyshchikov, OT Cybersecurity Leader, Kaspersky India



Securing Privilege: How PAM helps Security Leaders

Speaker: Ajay Bongirwar, Country Manager-India & SAARC, Delinea



Data Security in a world of Cloud Adoption

Speaker: Geoff Prentis, Senior Director, Solution Engineering, APAC, Netskope



Democratising Security Through Modernization

Speaker: Visagan Subburayalu, Senior Director, Technology, Target in India



Speaker: Suraj Balachandran, Business Unit Head, Sectrio



Password Management: Strengthening the First Line of Defence

Speaker: Vikas Malhotra, Country Manager, India & SAARC, LastPass



The Journey into Identity-based Authentication and the Passwordless World

Speaker: Siddharth Gandhi, COO - APAC, 1Kosmos



Identify your attack surface and strengthen security with unified asset intelligence

Speaker: P Vishal Mohanani, India Sales Director, Armis



What happens when Cyber Security Companies get Breached

Speaker: Rahul Sasi, Co Founder, CEO - CloudSEK



Speaker: Desmond D'Silva, Director Sales - Enterprise & Alliances, Seqrite

AISS Highlights

Book Launch

Gearing Up for Digital ++ Reimagining Security and Trust



DSCI's first-ever edited volume- Gearing Up for Digital ++ Reimagining Security and Trust 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 holistic subject matter.

[Download the ebook now.](#)



Capture the Flag (CTF) - Cyber Security 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.



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

Innovation Box

Most Innovative Product of the Year



DSCI hosted the 9th edition of Innovation Box, an esteemed platform designed to foster and empower aspiring entrepreneurs and start-ups in the field of cybersecurity and privacy technology.

Six remarkable start-ups, namely Cyberstanc, Disecto, napiD, Prophaze, Protectt.ai, and SecneurX, all nurtured by National Centers of Excellence (CoE), actively participated in the Innovation Box. They eagerly joined this prestigious gathering to exhibit the immense potential and innovative prowess of their products and services. Out of the impressive array of participants, Prophaze emerged as the standout start-up, securing the prestigious title of The Most Innovative Product of the Year.



Microsoft & Data Security Council of India (DSCI) with support from ISEA an initiative of Ministry of Electronics & IT (MeitY) launched Project Cyber Shikshaa for skilling women engineering graduates in the niche field of Cyber Security in September 2018. This endeavour has trained over 800 young women engineers across India in cybersecurity. The training program has spanned across 22 batches from 13 cities across 11 states in classroom mode, blended and fully virtual mode. CyberShikshaa students being placed successfully in global corporations, large technology services firms, start-ups and even law enforcement agencies is a highly satisfying outcome.

Our 'Women on Break' privacy program under Cybershikshaa is a first-of-its-kind initiative where women professionals from different fields received in-depth training in Privacy and certified in DSCI Certified Privacy Professional (DCPP). Many of them, some even after a nine-year break, were able to secure placement in large corporations and resume their professional careers in a new domain. More than 100 women professionals on career break have got trained in Data Privacy, giving them opportunities to re-enter the workforce in the realm of Data Protection and Data Privacy.

Privacy Sub Summit



Privacy Sub-Summit was aimed at comprehensively capturing the developments ongoing in the Privacy realm from technological, regulatory and policy standpoint drawing expert points of view from the leaders and subject matter experts from across the board. The sub-summit included privacy & policy highlights from the DSCI team, a session with leading DPOs from the country on organising the internal privacy functions in an organisation, two keynote addresses on evolving privacy expectations and operationalising privacy by design and concluded with a panel discussion on the privacy in India. Key takeaways are mentioned below:

- Effective privacy implementation in any organisation will require cross-function collaboration of Data Protection Officers with other business functions.
- The role of DPOs is not merely a regulatory and compliance concern but their function gains importance in streamlining the internal data governance in an organisation.
- To implement privacy by design in development of products and services, organisations must think from a consumer perspective and implement these principles throughout the entire lifecycle of processes and technologies from designing phase to deployment, use, and disposal.
- In developing data governance policies and data protection laws in India, it is important to take into consideration the Indian political and cultural context and the unique requirements of the Indian industry.

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 CyberShikhsaa course helped them make a comeback.

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.

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 startups to network and pitch their high-potential cybersecurity products.



Digital Forensics Sub-Summit – Fourth Edition (held on 21st December 2022)

This year's edition of Digital Forensics Sub-Summit had a variety of topics that were observed to be of a great interest to law enforcement agencies, digital forensics practitioners, and others.

Inauguration

The 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 NASSCOM-DSCI Annual Information Security Summit 2022.

Digital Forensics Paata shaala

A third edition of Digital Forensics Paata shaala was a unique feature where the recent developments in Digital Forensics were discussed by the leading subject matter experts.

- Mr. Krishna Sastry Pendyala, Former Scientist, DFSS, MHA
- Nitin Chouhan, 3rd Eye Techno Solutions
- Ashish Upreti, Magnet Forensics
- Mr. Vishal Oza, USA Senior Directory, Alvarez and Marsal
- Lt. Col Santosh Khadsare, Digital Forensics Expert
- Mr. Deepak, Cyber Intelligence Expert, I4C

The practical issues related to technical, procedural & legal aspects of digital forensics were discussed through the short lecturer sessions.

- Evolving Ransomware Threats & Law Enforcement...What needs to be done?
- Evidence Recovery from Damaged & Non-responsive Digital Devices
- Automating Digital Forensics & Incident Response
- Role of Digital Evidence Expert Testimony - the US Experience
- Smart Cities & Digital Forensics... Future Challenges
- Paradigms for Attribution of Dark Web Forensics

Key Takeaways:

1. Ransomware is the most significant threat, occurring once every 11 seconds, with a worldwide expense of \$142 billion USD.
2. Recently, ransomware authors are using anti- forensics techniques such as clearing the logs, volume shadow copies, and disabling the AV/EDR.
3. The data extraction using invasive forensics procedures may not be effective due to the introduction of default File Based Encryption by the mobile device manufacturers. This may be successful in recovering the data but may not be successful in reading it.
4. The automating digital forensics techniques through scripting, developing tools can reduce the time to uncover some artifacts, allowing examiners to efficiently report on the cases.
5. Leaked data like credentials, credit card details, breached data, bank account information. And exploit kits, phishing kits, child sexual abusive material, ransomware as a service, counterfeit goods, weapons, etc. are being sold on the darknet for huge money. This is posing lot of challenges.

Moot Court Session on Handling of Digital Evidence in Crime Investigation

Character played: Hon. Judge, prosecuting officer, defense advocate, Investigating officer, Forensics expert.

Resource persons

- 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

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 case.

For the above said exercise, a common type of Cybercrime was selected, and different stages of trial proceedings was simulated to sensitize the participants about the BEST practices in handling electronic evidence.



Key Takeaways:

1. Section 78 of ITAA 2000 clarifies who can investigate the offences and doesn't talk about registration. As per Sec 2(o) of Cr.PC, a Police Head Constable has powers to register the case under Information Technology Act, 2000.
2. Section 80 of ITAA. 2000 specifically mentions who can conduct search and seizure. It is clearly mentioned that officer of and above rank of Police Inspector is only authorized to do so.
3. Use of write blocker device to create the forensic image copy will not affect the integrity of the digital media in any way.
4. Cardinal principles of Digital Forensics advises the forensic examiner to avoid working on the original evidence. It is proven fact that the forensic image is the exact replica of the source media that includes the unallocated space, slack, and other spaces. This the BEST practice followed world-wide by Forensic examiner.





THE GRANDMASTERS OF CYBER SPACE

DSCI EXCELLENCE AWARDS 2022

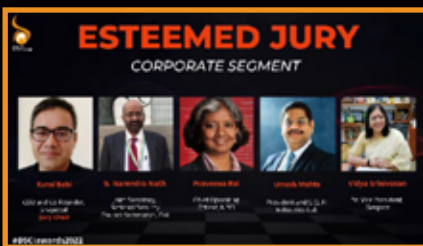
Honouring stellar work in cyber security and privacy



#DSCIAwards2022

The 12th edition of the DSCI Excellence Awards was graced by the presence of Dr. Saurabh Garg, CEO of UIDAI, and Mr. Rajendra S. Pawar, Chairman & Co-Founder of NIIT Group, who acted as chief guests and felicitated awards to the winners. The awards ceremony serves as a platform to recognize and celebrate the contributions made by individuals and organizations in the field of cybersecurity and data protection.

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



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

| Segment | Number of Nominations (288) |
|-------------------------------|-----------------------------|
| Corporate Segment | 198 |
| Law Enforcement Segment | 64 |
| Product Segment | 26 |
| Most Hotly Contested Category | 47 |

Most hotly contested categories were

| Segment | Number of Nominations (92) |
|-----------------------------|----------------------------|
| Cyber Cop of the Year | 47 |
| Security Leader of the Year | 45 |

Nominations were received under

21 AWARD CATEGORIES
Including Sub-Categories

27 WINNERS FELICITATED
Including 4 Special Jury
Recognition

Awards 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

Product Segment



Amal Krishna
Chief General Manager (E&T)
Head IT, ONGC



Raman Roy
Chairman and MD,
Quattro
(Jury Chair)



Sameer Ratollikar
CISO,
HDFC Bank



Sanjay Bahl
Director General,
CERT-In



Shyam Penumaka
Partner,
Dallas Venture Capital

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

Excellence Awards Winners

Corporate Segment

Industry Leaders of the Year

| | | | |
|---|--|---|--|
| <p>Security Leader of the Year</p> <p>BFSI</p>  <p>K M Reddy Union Bank of India</p> | <p>Security Leader of the Year</p> <p>IT-ITeS</p>  <p>Lakshmi Narayan Kaliyaperumal Infosys</p> | <p>Security Leader of the Year</p> <p>Others</p>  <p>Sridhar Govardhan Flipkart</p> | <p>Privacy Leader of the Year</p>  <p>Nitin Dhavate Novartis Healthcare</p> |
|---|--|---|--|

Best Privacy Practices in Organization

Best Privacy Practices in Organization



Cybersecurity Services Company of the Year

Cybersecurity Services Company of the Year in India Geography



Cybersecurity Evangelists

| | |
|---|---|
| Cybersecurity Education | Cybersecurity Awareness |
|  |  |

Best Security Practices in Organization

| | | | |
|--|---|--|---|
| <p>Best Security Practices in Banking Sector</p>  | <p>Best Security Practices in Energy Sector</p>  | <p>Best Security Practices in Critical Information Infrastructure</p>  | <p>Best Security Practices in Insurance Sector</p>  |
| <p>Best Security Practices in IT-ITeS Sector</p> <p>Large:  Small/Medium:  </p> | | <p>Best Security Practices in Government Sector</p>  | <p>Best Security Operations Centre of the Year (User Organizations)</p>  |

Product Segment

Security Product
Company of the Year

FORTYTWO
BRINGING IDEAS TO LIFE

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



State Cyber Headquarters,
Bhopal, Madhya Pradesh Police

Excellence in
Capacity Building of
Law Enforcement
Agencies



National Institute of
Electronics & Information
Technology, New Delhi

Special Jury Recognition

Best Security Practices
in Banking Sector

AXIS BANK

Best Security Practices
in Energy Sector

BSES
BSES Rajbhari Power Limited

Cybersecurity Services
Company of the Year
in India Geography

TATA COMMUNICATIONS

Security Product
Company of the Year

K7 SECURITY



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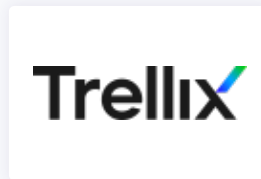
XDR Partner



Risk Mitigation
Partner



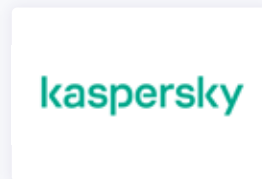
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Academic Partner



Identity Security Partner



Incident Response Partner



Hackathon Partner



Workshop Partner



Speaker Memento Partner



Big Data Security Partner



Delegate Certificate Partner



Delegate Kit Partner



Innovation Box Partner



Zero Trust Security Partner



Mobile App Security Partner



Skills Partner



Day 2 - Networking Dinner Partner



Day 3 - Networking Dinner



Diversity Partner



Workshop Partner



Workshop Partner



Online Media Partner



Startup Pavilion



CSR Initiative



EXCELLENCE AWARDS
PROCESS PARTNER



EXCELLENCE AWARDS
PARTNER

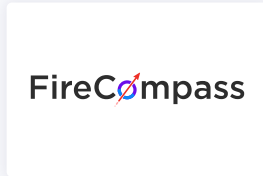


AWARD CATEGORY PARTNERS

Best Security Practices in the Banking Sector



Best Security Operations Centre of the Year (User Organizations)



Best Privacy Practices in Organization



Security Leader of the Year



Best Security Practices in IT-ITes Sector



Cyber Security Education



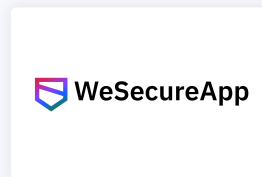
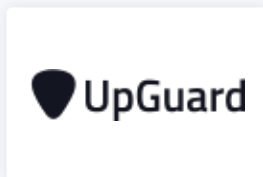
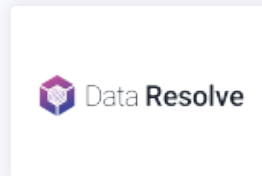
Best Security Practices in Insurance Sector



Cyber Security Services Company of the Year in India Geography



EXHIBITORS



THANK YOU

From Team DSCI for being a part of the
17th edition of ANNUAL INFORMATION SECURITY SUMMIT 2022
and making it a success.

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