



Internet Society
India Bengaluru
Chapter



Annual Report.

2023

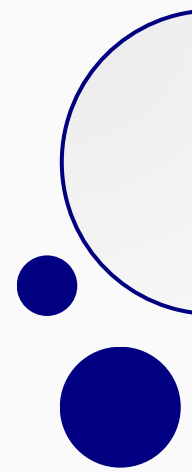


Table of Content



Participation in inSIG 2023 _____	03 ●
Keeping Secrets Safe: A Guide to Secret Sharing _____	04 ●
Recent Advances in Encryption _____	05 ●
How to Legislate About Privacy and Encryption _____	06 ●
Global Encryption Day 2023 – Concluding Event _____	07 ●

PARTICIPATION IN INSIG 2023



**28 September – 01 October 2023 | Indian Institute of Technology (IIT), Guwahati
Guwahati, Assam**

The **eighth edition of the India School of Internet Governance (inSIG 2023)** was jointly organized by the inSIG Team and the Indian Institute of Technology (IIT), Guwahati. The program commenced with a Day 0 event on **28 September 2023**, followed by the main conference sessions from 29 September to 01 October 2023.

inSIG continues to serve as a **premier capacity-building platform** aimed at fostering dialogue and knowledge exchange on **Internet governance, digital policy, and emerging technologies**. The 2023 edition brought together fellows from diverse academic, industry, civil society, and policy backgrounds to engage in discussions, presentations, and collaborative learning activities.

The event built upon the successful completion of **inSIG 2022**, the seventh edition, which concluded on 26 September 2022 at the **International Institute of Information Technology (IIIT), Hyderabad**. inSIG 2022 hosted approximately **65 Fellows representing four nationalities** and was widely documented through social media engagement and community outreach.

Through its continued editions, inSIG reinforces its commitment to **capacity building, youth leadership development, and strengthening India's participation in global Internet governance processes**, contributing to a more inclusive and informed digital ecosystem.

KEEPING SECRETS SAFE: A GUIDE TO SECRET SHARING



16 October 2023 | Online Webinar

Global Encryption Day 2023 – ISOC Bengaluru Celebration

As part of the **Global Encryption Day 2023** series, the ISOC India Bengaluru Chapter organized a webinar titled “**Keeping Secrets Safe: A Guide to Secret Sharing.**” The session provided a structured introduction to **cryptographic techniques** designed to securely divide and protect confidential information.

The discussion covered the core principles of **secret sharing schemes** and their mathematical foundations. Participants were introduced to how these mechanisms are used to enhance security in **distributed systems and collaborative digital environments.**

Real-world applications were highlighted, demonstrating how secret sharing supports **secure communication, data protection, and resilience in digital infrastructure.** The session also emphasized the importance of minimizing vulnerabilities and eliminating single points of failure in modern cybersecurity frameworks.

The webinar offered valuable academic and practical insights, strengthening awareness about **encryption’s vital role in building a secure, trustworthy, and resilient Internet ecosystem.**

RECENT ADVANCES IN ENCRYPTION



17 October 2023 | Online Webinar

Global Encryption Day 2023 – ISOC Bengaluru Celebration

As part of the **Global Encryption Day 2023** series, the ISOC India Bengaluru Chapter organized a webinar titled “**Recent Advances in Encryption.**” The session focused on contemporary developments in **cryptographic research** and their critical role in strengthening global digital security frameworks.

The webinar explored advancements in **encryption algorithms, secure communication protocols, and emerging cryptographic challenges** in the era of cloud computing and distributed systems. Attention was also given to evolving cyber threats and the need for **robust encryption mechanisms** to safeguard financial transactions, personal data, and national digital infrastructure.

Participants gained insights into current research trends, including the importance of **future-ready encryption approaches** in response to rapid technological advancements. The session highlighted encryption as a **foundational pillar of cybersecurity and digital trust** in the modern ecosystem.

The webinar significantly contributed to raising awareness about the **strategic importance of cryptography** in ensuring privacy, security, and resilience in today’s interconnected world.

HOW TO LEGISLATE ABOUT PRIVACY AND ENCRYPTION



18 October 2023 | Online Webinar

Global Encryption Day 2023 – ISOC Bengaluru Celebration

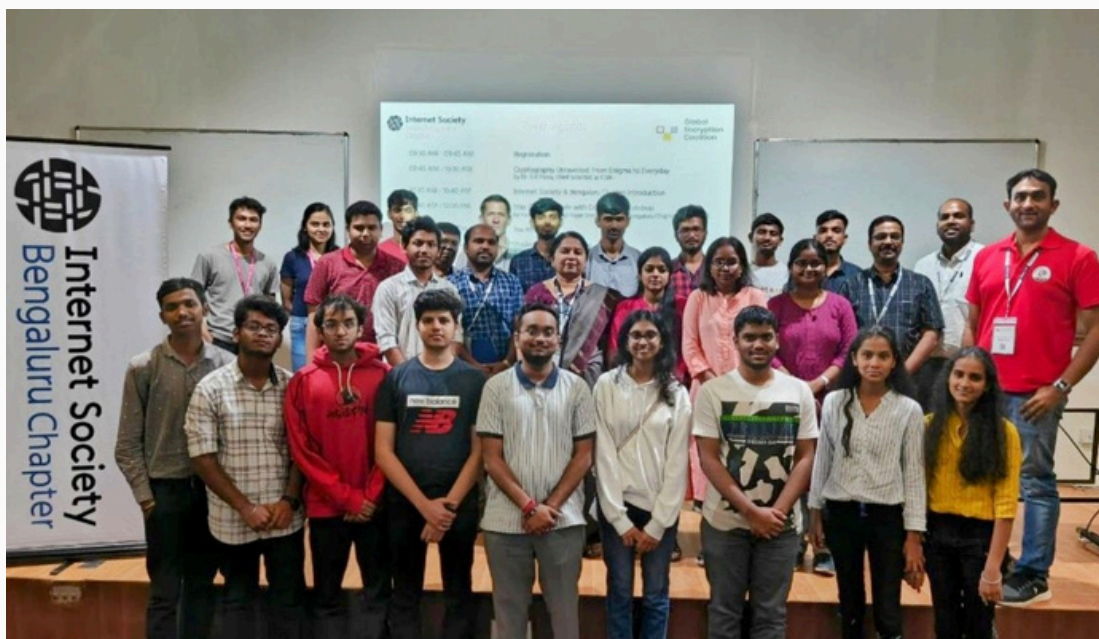
As part of the **Global Encryption Day 2023** series, the **ISOC India Bengaluru Chapter** organized a webinar titled “**How to Legislate About Privacy and Encryption.**” The session explored the evolving relationship between encryption technologies and public policy frameworks in the digital era.

The discussion highlighted key considerations in drafting and implementing legislation related to **privacy, encryption standards, and digital rights**. Emphasis was placed on balancing national security concerns, innovation, economic growth, and the protection of individual freedoms. The speaker also addressed **global regulatory trends and the challenges** policymakers face in creating laws that both safeguard citizens and support technological advancement.

Participants gained a deeper understanding of the **legal, technical, and ethical dimensions of encryption governance**. The webinar fostered informed dialogue on responsible policy development and reinforced the importance of **collaborative engagement among academia, industry, and civil society** in shaping secure and inclusive digital ecosystems.

The session significantly contributed to raising awareness about the **strategic importance of encryption policy** and strengthened efforts to promote informed participation in Internet governance initiatives.

GLOBAL ENCRYPTION DAY 2023 CONCLUDING EVENT



**21 October 2023 | M.S. Ramaiah Institute of Technology
Bengaluru, Karnataka**

The concluding event of the **Global Encryption Day 2023 – ISOC Bengaluru Celebration** was held at **M.S. Ramaiah Institute of Technology**, marking the culmination of a series of webinars, workshops, and student competitions organized to promote encryption awareness.

The program featured a keynote lecture titled **“Cryptography Unravelling: From Enigma to Everyday”**, highlighting the evolution and practical relevance of cryptography. An overview of the **Internet Society, Global Encryption Day, and the ISOC Bengaluru Chapter** was also presented to provide context on global efforts toward strengthening digital security.

The event included the **“Stay (Digitally) Safe with Encryption” workshop**, offering practical insights into secure communication practices. Additionally, finalists of the **Encryption Student Competition** presented their projects, demonstrating innovation and research-driven approaches to encryption technologies.

The session successfully reinforced awareness about the **importance of encryption in safeguarding digital ecosystems** and encouraged continued student engagement in cybersecurity and Internet governance initiatives.