

ROUNDTABLE DISCUSSION - STATE OF CRITICAL INTERNET INFRASTRUCTURE IN INDIA

KOLKATA EDITION

6TH MARCH, 2017

6PM- 8:30PM

Hotel Indismart, Sec-V, Salt Lake Kolkata

Participant Details

Participant Name	Organization
Mr. Samiran Gupta	ICANN
Mr. Champika Wijaytunga	ICANN
Mr. Anupam Agrawal	ISOC Kolkata Chapter
Mr. Anand Rajee	India Internet Foundation
Ms. Alaknanda Rao	ISOC Member
Ms. Pampa Basu	ITC
Mr. Rajshari Das	West Bengal Police
Mr. Arun Shankar	West Bengal Police
Mr. Anupam Das	Catla Engg. Guwahati
Mr. Deep Das	Catla Engg. Guwahati
Mr. Amit Pramanick	Basis Technologies
Prof. Arun Baran Samaddar	JIS Group of Colleges
Mr. Prasenjit Sutradhar	ISOC Kolkata Chapter
Mr. Debasish	Computer Exchange
Mr. Chirajeeb	ISOC Kolkata Chapter
Mr. Vikash	ISOC Kolkata Chapter
Mr. Avijit Ghosh	ISOC Kolkata Chapter
Mr. Debasish Ghosh	Basis Technologies
Mr. Sukdev Parua	ISOC Kolkata Chapter
Mr. Sudipta Biswas	PRIME INFOSERV LLP

Key Discussion Items

- The roundtable discussion was moderated by Mr. Samiran Gupta, Head ICANN –India. In his opening remarks he mentioned about the objectives and current activities of ICANN and emphasized that the critical mass of Internet governance has moved with the increase in Internet penetration and usage in India.
- Anupam Agrawal, Chair, Internet Society Kolkata shared the context of the round table stating that there is a need to optimize Internet Infrastructure in India and start looking at the Internet traffic management in India holistically. He also talked about this debate being taken to other cities and then create it as a input for India Internet Foundation.
- Anand Raje, Director Basis Technologies & Trustee- India Internet Foundation talked about how a community based Internet Exchange point has been setup in Kolkata which is going to provide an additional layer of redundancy in Internet for the region and creating a community of experts.
- Pampa Basu from ITC, mentioned about a recent case of Chennai floods in India which essentially created a Internet blackout scenario for some of the operators who were exclusively using the Chennai Internet Landing station. She stressed that when access to Internet is a challenge, access itself and continuous access to Internet should be the key discussion in the debate on Critical Internet Infrastructure.
- Rajashri Das, from West Bengal Police, commented that Internet has thrown up newer challenges for the law enforcement officials and there are points where things get stuck because of the global nature of Internet.
- Prof. Arun Baran Samaddar raised the issue of Cyber Act in India taking considerable time to revise / update itself which is not commensurate with the speed of technological changes. He was responding to some of the questions raised by LEA which gave the impression of LEA being very naïve and pointed towards increased necessity for LEA to collaborate with community for collaboration.
- Sudipta Biswas talked about the DNS Security, possible scenarios of cyber attack, and issues which will arise in case of inter state conflicts. The discussion also focused on name server availability and need to continuously do VAPT on them.
- Anupam Das, Catla Broadband, Assam talked about the state of Internet in North East India. The topology in North East makes wireless access a problem, NKN (National Knowledge Network) is yet to takeoff completely and Internet is restricted to big cities only.
- Alaknanda Rao, ISOC Chapter member talked about the necessity of private players understanding the importance of internet infrastructure in their workings. She mentioned that while large ISPs focus on customers and smaller ISPs are trying to become big with minimal capex, they have an important role to play in the internet ecosystem. Also activities and Infrastructure Protecting the users on Internet also to be part of Critical Internet Infrastructure.

Key Takeaways & Action Points

- There is no common understanding of what is critical internet infrastructure. Further components of critical internet infrastructure are scattered and collaboration mechanisms needs to be established for all stakeholders to work together. The Platform of IIFON (Indian Internet Foundation) should be leveraged to further the work on critical Internet Infrastructure.
- Special focus on North East India in terms of critical internet Infrastructure is need of the hour. ISOC Kolkata will take specific steps and design programs to this effect and work on capacity development in the North East region.
- ISOC Kolkata's efforts of hosting couple of root server instance in Kolkata and plans of bringing in more root server instances across India is commendable. The community agreed that redundancy being created by ISOC Kolkata for name servers under the initiative India Internet Foundation is a step ahead in managing critical Internet Infrastructure.
- There will a specific awareness camp for LEA officials by ISOC Kolkata on DNS abuse handling. There is an opportunity to participate in the PSWG (Public Safety Working Group) in GAC and it is important that Indian LEA starts participating in the WHO IS policy making process

















