

# National Internet Registry, IRINN (Indian Registry for Internet Names and Numbers)

**NIR SIG - 2025**  
**APNIC 59**

## **NIXI INTERNET GOVERNANCE INTERNSHIP AND CAPACITY BUILDING SCHEME**

National Internet Exchange of India (NIXI) aims to increase awareness status w.r.t Internet Governance by initiating an Internship programme. This internship program aims to achieve two key goals.

- a. To provide Indian citizens with practical experience in Internet Governance.
- b. Introducing them to organizations like ICANN, APNIC, and APTLD, IGF, SANOG, IETF, IEEE, etc.

### **PROJECT DELIVERABLES**

- a. Educational Institution Outreach.
- b. Local Community Engagement, Research Contributions and White Papers.

### **ELIGIBILITY:**

Students pursuing B.E./ B.Tech, M.Tech/Phd. in related fields of Engineering, Public Policy, Law etc. from a recognized institute/university **or** professionals working in the related fields.

### **KEY HIGHLIGHTS :**

- Internship will be biannually, divided into two 6-month terms and further divided into 2 parallel programs of 6 months duration and 3 months duration.
  - Total number of interns – 10 for each parallel program.

**MENTORSHIP SCHEME:** Each selected intern will be paired with a mentor who will assign and monitor them. Mentor is:

- a. Subject matter expert from international organizations like ICANN, APNIC, or APTLD
- b. Nominated members from Special Interest Group for the purpose of Internet Governance from MeitY.
- c. High-ranking retired government official (not below the rank of Director)
- d. Faculty advisors from recognized institutions/universities.

### **NIXI INTERNET INFLUENCERS:**

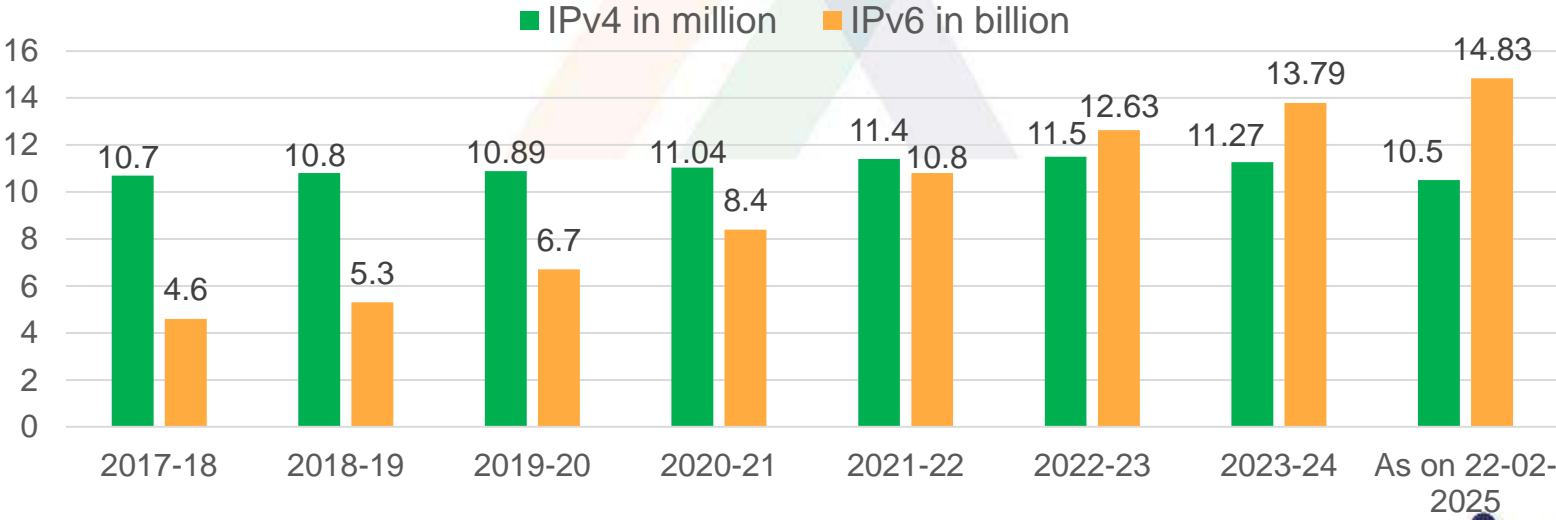
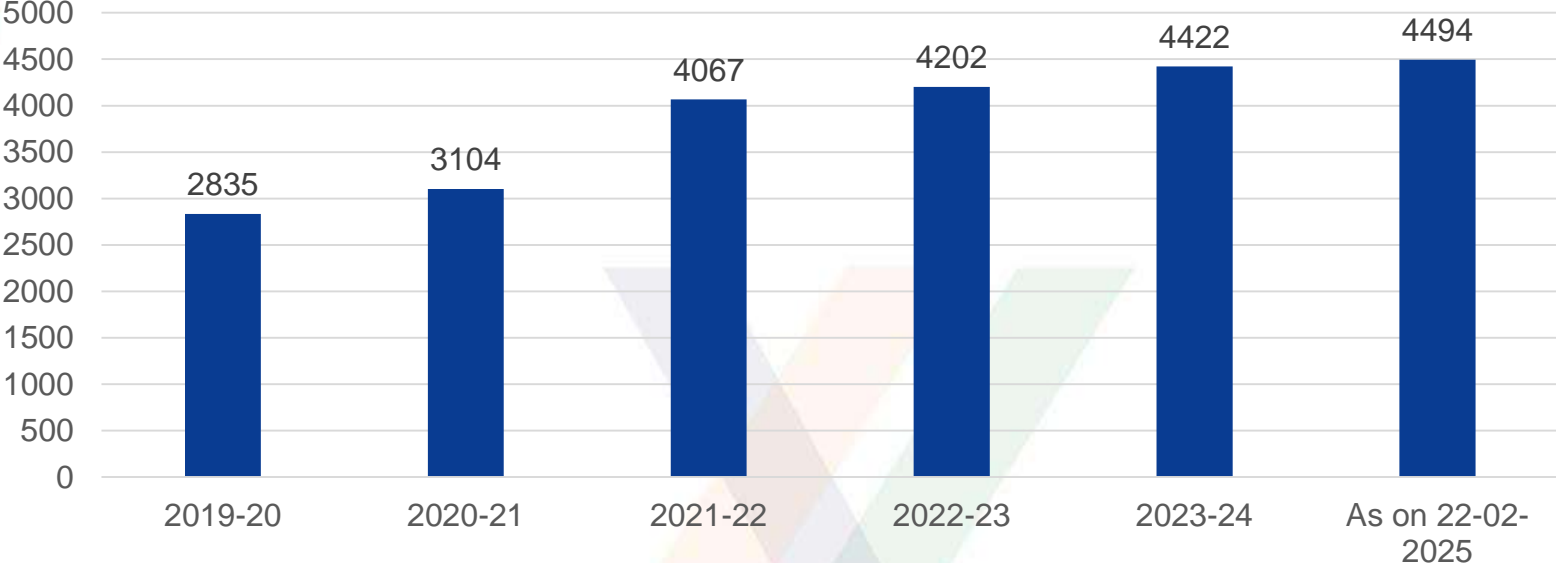
Those who have completed the proposed internship scheme can conduct capacity building activities in various institutions/ organizations about ongoing trends in the IG ecosystem and encourage youth to collaborate with NIXI for future endeavors. Such students will be termed as NIXI Internet Influencers.

**MONITORING:**

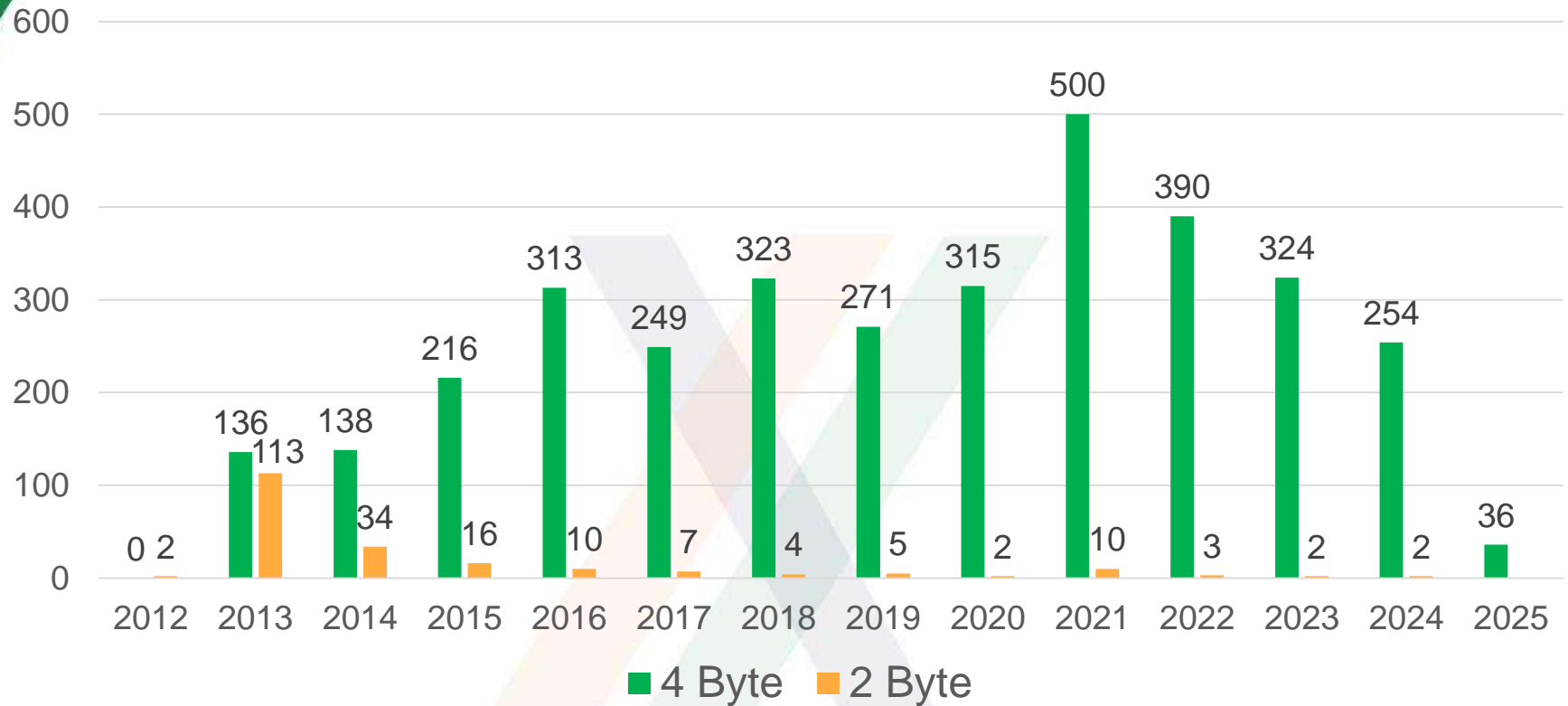
This National Internet Exchange of India Internship and Capacity Building Scheme will be supervised by a monitoring committee consisting of CEO NIXI, one director of NIXI board and one representative from MeitY.



# Affiliate growth



# Affiliate growth



- **IRINN has started delegating ASN's from MyApnic using direct ASN allocation method.**

## IRINN Initiatives for last 1 year

- The entire IRINN application process is modified including the IRINN Affiliate Agreement and policy.
- Educated the Indian community on various internet technologies such as IPv6, DNS, ROA/RPKI, BGP etc.
- IRINN has expanded its reach with over 4,494 affiliates, strengthening India's internet backbone.
- With the rapid adoption of 5G, AI, and cloud computing, IRINN ensures seamless IP resource management to support India's digital expansion.

# Initiatives taken by NIXI For Awareness on IPv6/Technology



[https:// training.nixi.in](https://training.nixi.in)



1. **Online Courses** → a collection of complete courses and the length of 15 to 20 hours for each course. Total 13 courses (**124 videos**).
2. **Training Videos** → a collection of different webinars related to IPv6, Cyber Security, Cloud fundamental, DNS, Border Gateway Protocol, Network Security, Linux Administration etc., recorded by expert trainer from academia, and industry. We signed the agreement with training agency as well as APNIC. Total **56 training videos**.
3. **YouTube Videos** → After taking consent from different you-Tubers who have relevant audio-visual content, its posted on our NIXI-Academy to have access to the repository for Internet Community/Students/Researcher on a single platform. Total **23 videos** available.

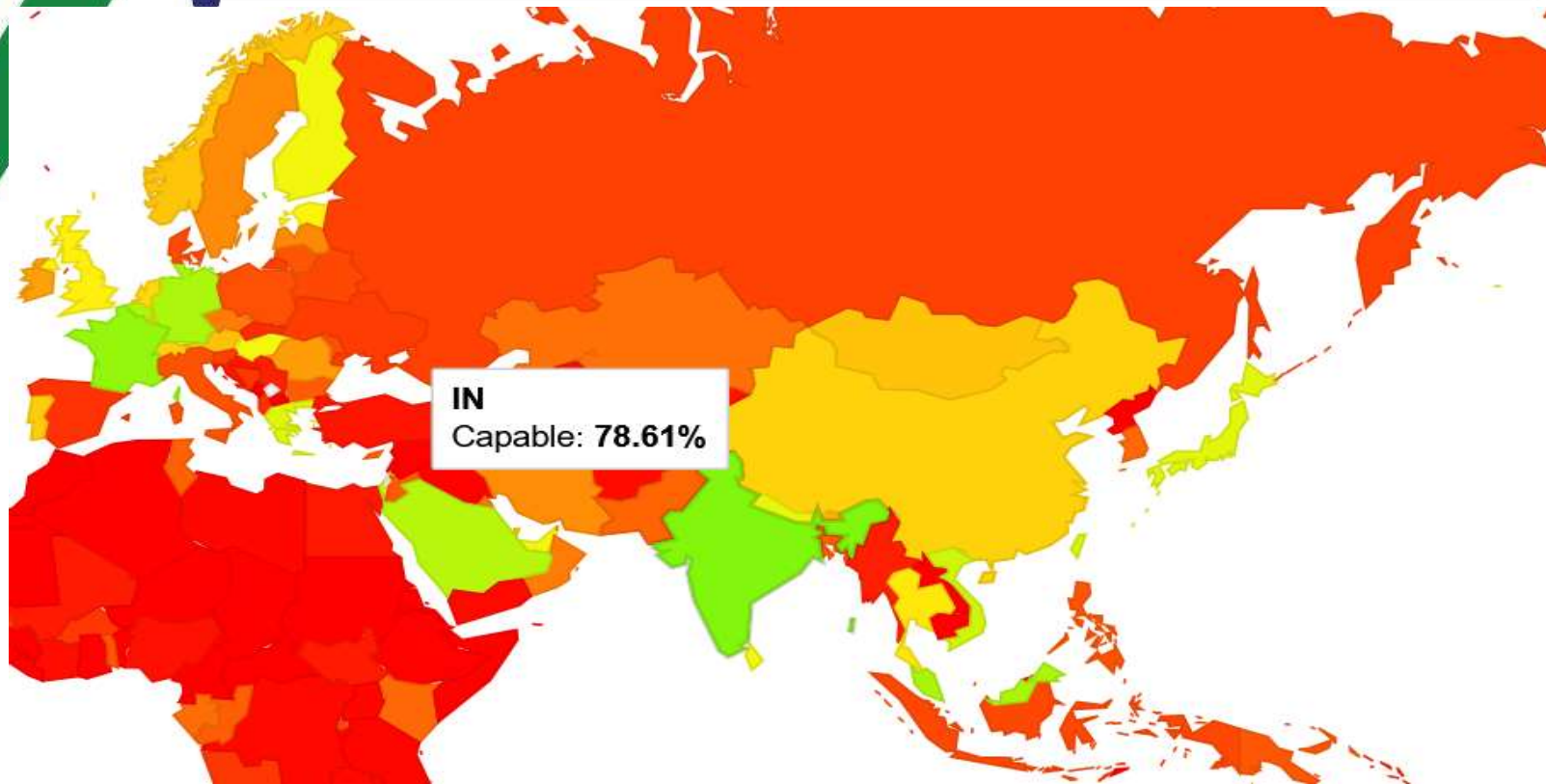
Total **203 videos** are available on our NIXI-Academy website.

Regular awareness campaign for these programs and webinars among the industry, students and youth is conducted to apprise them of the role of IP address in cyber world.

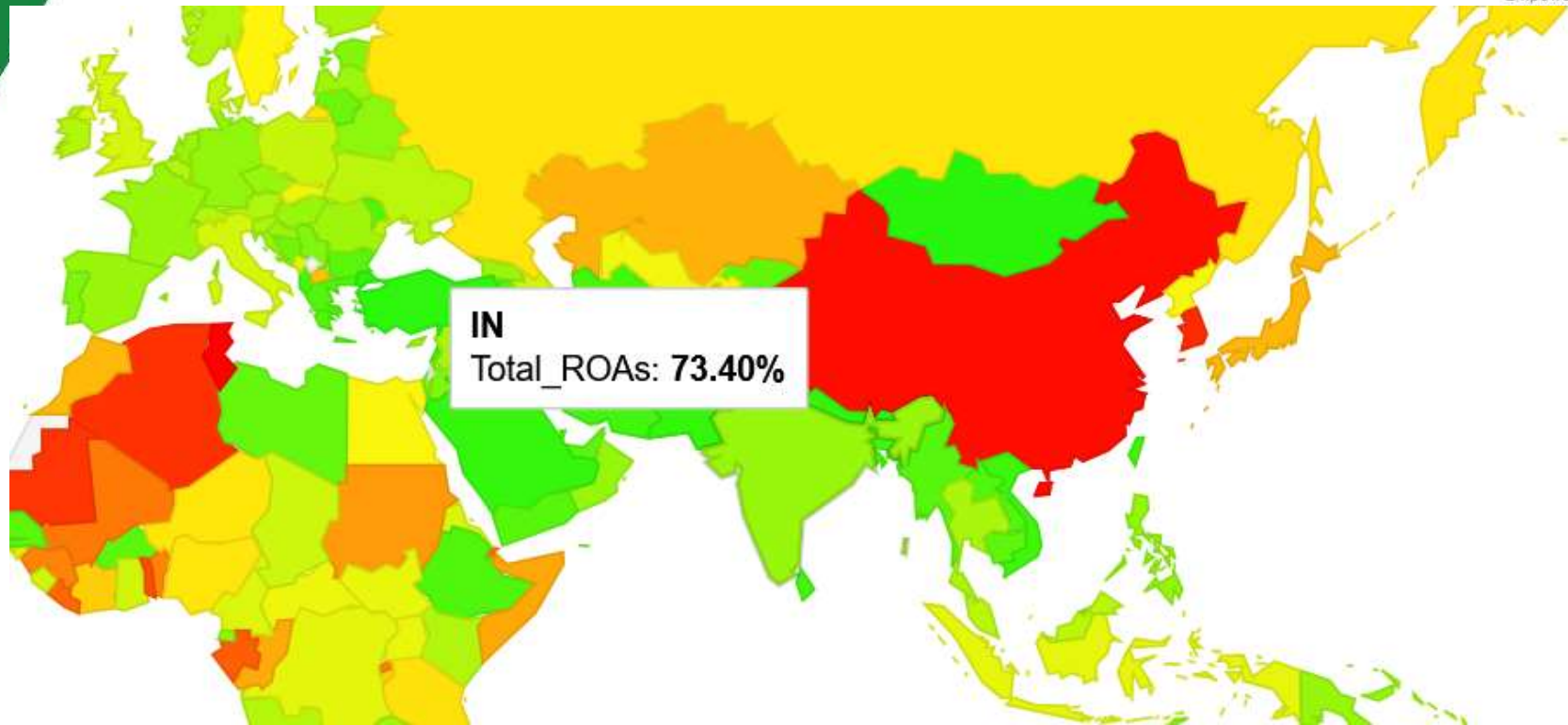
# Online trainings/webinars

Sl. No.	Webinar Topic	Date	Number of Attendees
1	IPv6 Security by APNIC/IRINN	11-01-2024	230
2	DNS Security, Threat and Mitigation	13-02-2024	657
3	Ipv6 Sub-netting and configuration	12-03-2024	240
4	IPv6 Awareness	30-04-2024	482
5	BGP Overview	14-05-2024	352
6	IPv6 Fundamental	26-07-2024	264
7	IPv6 Operation & Services	23-08-2024	176
8	IPv6-Enabled Routing Protocols	27-09-2024	368
9	IPv6 Transition Mechanisms	25-10-2024	320
10	IPv6 Security	25-11-2024	144
11	IPv6 Deployment	20-12-2024	151
12	IPv6 Deployment with Enterprise & Case Studies	24-01-2025	95
13	DNS Security and Stability	21-02-2025	88

# IPv6 Adoption



ASN	AS Name	IPv6 Capable
AS55836	RELIANCEJIO-IN Reliance Jio Infocomm Limited	95.11%
AS45609	BHARTI-MOBILITY-AS-AP Bharti Airtel Ltd. AS for GPRS Service	89.41%
AS24560	AIRTELBROADBAND-AS-AP Bharti Airtel Ltd., Telemedia Services	60.75%
AS38266	VIL-AS-AP Vodafone Idea Ltd	88.92%
AS45271	VIL-AS-AP Vodafone Idea Ltd	85.78%



IPv4\_ROAs – 80.36 %

IPv6\_ROAs – 66.45 %

Source:-

<https://stats.labs.apnic.net/roa?s=Route+Objects&x=Valid&v=Total&d=Auto>



*Thanks and I appreciate the opportunity to speak with you today.*

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