

MEET YOUR SPEAKER



- ❖ KONDWANI MBALE
- ❖ CIVIL ENGINEERING STUDENT @ MULUNGUSHI UNIVERSITY ZAMBIA
- ❖ HONORED TO HAVE SERVED AS THE VICE TEAM CAPTAIN AT ZAMBIA ROBOTICS"23"
- ❖ MEMBER/STUDENT AT EO ROBOTICS LAB ZAMBIA
- ❖ LAUREATE OF THE INTERNATIONAL YOUTH COMPETITION OF SCIENTIFIC AND SCI-FI WORKS
- ❖ NEXTGEN@ICANN80





ENVISIONING THE FUTURE OF THE INTERNET

AI IN ICANN PERSPECTIVE

ICANN'S MISSION

ICANN's mission revolves around:

- ❖ Managing domain names (TLDs, Generic and Country Codes).
- ❖ Ensuring the stability and security of the Domain Name System (DNS).
- ❖ Implementing policies and regulations to maintain DNS integrity.
- ❖ most importantly ICANN's need to enhance cybersecurity, streamline policy-making and global engagement to ensure a stable and secure internet for all.





Artificial Intelligence

Integrating Artificial Intelligence (AI) within ICANN's framework offers several compelling benefits.

- ❖ AI has the potential to significantly improve the management and security of the Domain Name System (DNS),
- ❖ address emerging threats, and streamline ICANN's operations.



WHY CHOOSE AI FOR ICANN?

❖ Enhance Threat Detection and Cybersecurity:

AI can analyze vast amounts of DNS traffic data in real-time, identifying patterns indicative of security threats such as DDoS attacks, malware distribution, and phishing attempts.

❖ Improve Efficiency and Accuracy

AI automation streamlines routine tasks within ICANN's operations, such as domain name registrations, renewals, and data management processes.

❖ Enhanced Domain Abuse Prevention:

AI-powered algorithms can identify and flag potentially abusive domain registrations, such as those used for spam, phishing, or fraudulent activities.

❖ Facilitating Policy Development and Compliance:

AI technologies support ICANN in developing and enforcing policies related to DNS security, domain name registration, and internet governance.

CONTINUED

- ❖ By leveraging AI technologies, ICANN can enhance its operational capabilities, improve cybersecurity resilience, and foster trust and confidence among stakeholders, ultimately contributing to a more secure, stable, and inclusive internet for all users.

Some outcomes of taking this approach

- ❖ Enhanced Security and Stability
- ❖ Informed Decision-Making
- ❖ Support for Global Internet Governance
- ❖ Facilitated Policy Development and Compliance
- ❖ Proactive Domain Abuse Prevention

AI APPLICATIONS

❖ Automated Threat Detection

AI-powered systems can rapidly respond to threats by initiating actions like blocking malicious IP addresses or quarantining infected devices

❖ Enhancing DNS Security Protocols

AI helps detect unusual patterns in internet traffic, alerting to potential cyber threats like attacks or hijacking.

❖ Domain Abuse Prevention

AI examines domain registration information for inconsistencies, helping identify fraudulent behavior.

THE NEXTGEN

- ❖ Equipping young leaders with AI literacy and skills is essential for harnessing the transformative potential of AI in shaping the future of internet governance.
- ❖ AI-focused workshops,
- ❖ Mentorship programs
- ❖ Research projects or hackathon
- ❖ Investing in the development of the "Next Generation" through initiatives focused on AI literacy and skills, we are ensuring that they are well-prepared to lead transformative efforts in both academic and professional spheres, particularly in the context of shaping the future of internet governance.



CAPACITY BUILDING FOR THE NEWCOMERS



❖ AI-Focused Curriculum for Schools and Universities

Integrate AI education into school and university curriculum, covering topics such as machine learning, data science, and AI ethics.

Practical exercises and projects provide hands-on experience, preparing students for AI-related careers.

❖ Online Courses and Workshops

Offer accessible online courses and workshops on platforms like [ICANN LEARN](#).

Modular courses cater to learners of all levels, from beginners to advanced practitioners, ensuring inclusivity.

CONTINUED

❖ Partnerships with Community Organizations:

Collaborate with local community centers and nonprofits to deliver AI education programs.

Target underserved communities to bridge the digital divide and promote diversity in AI.

❖ Public Awareness Campaigns:

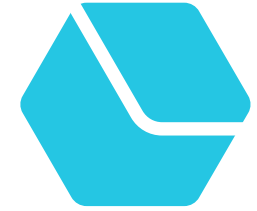
Launch campaigns to raise awareness about the importance of AI literacy and its real-world applications.

Engage with media outlets, influencers, and social media platforms to reach a broader audience.

OUTCOME PROCESS FOR NEWCOMERS.

- ❖ Improved understanding of ICANN's role and work with AI.
- ❖ Increased Knowledge of the internet governance
- ❖ Greater networking and sharing
- ❖ Increased interest in attending more ICANN meetings
- ❖ Opportunities for new career pathways

Thank you!



Questions





Thank You. Lets connect

 KONDWANI MBALE

 +260961527799

 luckymba96@gmail.com



80

POLICY
FORUM