



# ICAIN-2024

## International Conference on Artificial Intelligence and Networking



Organized by  
Guru Tegh Bahadur Institute of Technology (GTBIT),  
affiliated to  
Guru Gobind Singh Indraprastha University (GGSIPU), Delhi  
in association with  
Portalegre Polytechnic University & Institute of Technology and Business in České Budějovice, Czech Republic  
&  
Keshav Mahavidyalaya, University of Delhi

**19th - 20th September 2024**

**\*\*\*\*\* CALL FOR PAPERS \*\*\*\*\***

### **SPECIAL SESSION ON**

**AI in Blockchain towards Realizing Cyber Security**

### **SESSION ORGANIZERS:**

Mr. Alok Kumar, Galgotias College of Engineering and Technology, Greater Noida, India,  
[engg.alok3@gmail.com](mailto:engg.alok3@gmail.com)

Dr. Rashmi Sharma, Ajay Kumar Garg Engineering College, Ghaziabad, India,  
[drashmisharma20@gmail.com](mailto:drashmisharma20@gmail.com)

Dr. Inderjeet Kaur, Galgotias College of Engineering and Technology, Greater Noida, India,  
[kaurinderjeet2023@gmail.com](mailto:kaurinderjeet2023@gmail.com)

### **EDITORIAL BOARD:**

NA

### **SESSION DESCRIPTION:**

AI and Blockchain Technology collaborate to enhance cyber security by establishing a more secure, transparent and robust digital infrastructure. AI continuously improves its threat detection capabilities through the analysis of vast datasets, while blockchain's decentralized and immutable nature enables real-time, tamper-proof threat detection and response. Blockchain ensures the security and validation of identity information, with AI enhancing identification and access management through dynamic behavioral analysis and biometric authentication. Smart contract security benefits from AI-driven audits and fortifications, and AI's anomaly detection in blockchain transactions, along with optimized consensus algorithms, further strengthen blockchain networks. Despite challenges related to scalability, complexity and regulatory compliance, this powerful combination offers substantial cybersecurity solutions across sectors such as financial services, healthcare, supply chain management and IoT security, making it important for developing more

secure and resilient digital infrastructures against evolving cyber threats.

### **RECOMMENDED TOPICS:**

Topics to be discussed in this special session include (but are not limited to) the following:

- **Enhancing transaction security and fraud prevention in banking and cryptocurrency exchanges.**
- **Securing patient data and ensuring compliance with regulations while enabling safe data sharing.**
- **Protecting the integrity of supply chain data and preventing counterfeiting.**
- **Safeguarding IoT devices and networks from cyberattacks using decentralized AI-driven security mechanisms.**
- **Employing machine learning models to analyze blockchain data in security threats/fraudulent activities.**
- **Proactive security measures using AI-driven analytics in blockchain transactions.**
- **Designing decentralized AI-powered security frameworks for blockchain**
- **Exploring AI-driven consensus algorithms and distributed ledger technologies.**
- **Leveraging AI to strengthen IAM solutions in blockchain networks.**
- **AI for biometric authentication to enhance identity verification on blockchain platforms.**

### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session on **"AI in Blockchain towards Realizing Cyber Security" on or before [30th July 2024]**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at <https://www.icain-conf.com/downloads>. All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify [Session Name] at the top (above paper title) of the first page of your paper.

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