

2nd International Conference on Smart Technologies for Smart Nation (SmartTechCon 2023)

Amity Global Institute, Singapore

18 - 19 August 2023.

Special Session on

Issues and Trends in Current AI-based Technology for IoT, Communication Networks, and Cybersecurity

Theme of the Special Session: The primary objective of the special issue titled " Issues and Trends in Current AI-based Technology for IoT, Communication Networks, and Cybersecurity " is to offer a comprehensive and up-to-date examination of the advancements and obstacles concerning the utilization of artificial intelligence (AI) in the realms of Internet of Things (IoT), communication networks, and cybersecurity.

The primary focus of the special issue titled " Issues and Trends in Current AI-based Technology for IoT, Communication Networks, and Cybersecurity " is to delve into the diverse range of AI applications within these domains. These applications encompass network optimization, security and privacy enhancements, fault detection and diagnosis, intelligent routing, and traffic management, among others. The special issue also seeks to explore the associated challenges and issues that arise from integrating AI into these domains. These challenges include ensuring the trustworthiness of AI-based solutions, addressing the ethical and social implications of AI implementation, and the necessity for interoperability and standardization across systems.

The special issue serves as a platform for renowned experts in the field to contribute their cutting-edge research findings, case studies, and practical experiences. By featuring articles from these experts, it facilitates knowledge exchange among researchers, practitioners, and industry professionals. The special issue encourages the sharing of ideas and fosters discussions on the most recent trends and issues within this dynamic and rapidly evolving field.

List of Session Topics:

- 5G/6G Communication and Security
- AI-based Authentication and Authorization
- Natural Language Processing for Threat Detection
- Hardware and Embedded Security
- Industrial / Medical IoT Security
- Security in Biomedical and E-Health Care Application
- AI-based Fraud Detection
- DNA Cryptography
- Blockchain and its Security
- Digital Forensic & Cloud Security
- AI based Malware and Intrusion Detection systems

Session Chairs:

Pro. Udit Mamodiya

Coordinator & HoD, PIET-AICTE IDEA LAB & Outreach

Poornima Institute of Engineering and Technology, Jaipur, Rajasthan, India

Prof (Dr.) Dinesh Goyal

Principal & Director, Poornima Institute of
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