

ICAIN-2025
International Conference on Artificial
Intelligence and Networking

Organized by
University of Stirling - RAK Campus, UAE

10th - 11th October 2025

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

SPECIAL SESSION ON

AI-Enabled Wearables: Potential of IoT for Healthcare and Beyond

SESSION ORGANIZERS:

Dr. Shikha Gupta, Professor, Shaheed Sukhdev College of Business Studies, University of Delhi

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Dr. Princy Randhawa, Assistant Professor, Manipal University Jaipur

EDITORIAL BOARD: (Optional)

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SESSION DESCRIPTION:

The rapid advancement of wearable technology, coupled with the integration of Artificial Intelligence (AI) and the Internet of Things (IoT), is significantly transforming the healthcare sector. This session will examine the potential of AI-enabled wearables and the role of IoT in enhancing healthcare delivery, patient monitoring, and treatment. From smartwatches that track heart rate and sleep patterns to sophisticated medical wearables that monitor vital signs in real-time, AI and IoT are enabling new opportunities for personalized healthcare, early diagnosis, and preventative care. Participants will gain an understanding of current trends, challenges, and innovations in AI-enabled wearables, as well as their broader implications across industries like fitness, wellness, and remote patient management.

RECOMMENDED TOPICS:

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

- Introduction to AI, IoT, and Wearable Technology in Healthcare
- Current Trends in AI-Enabled Wearables
- The Role of IoT in Real-Time Health Monitoring
- Integrating AI with IoT for Predictive Healthcare
- Data Privacy and Security in AI and IoT Healthcare Devices
- Wearable Devices for Chronic Disease Management
- AI-Driven Personalized Health Solutions through Wearables
- Future of Remote Patient Monitoring with AI-Enabled Wearables
- AI and IoT in the Early Detection of Health Conditions
- Wearables for Mental Health Monitoring and Support
- The Intersection of AI, IoT, and Big Data in Healthcare
- Challenges and Opportunities in Wearable Device Interoperability
- Advancements in Smart Textiles and Sensors for Wearables
- Exploring the Potential of AI-Enabled Wearables Beyond Healthcare (e.g., Sports, Wellness, and Fitness)

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on AI-Enabled Wearables: Potential of IoT for Healthcare and Beyond **on or before 30th May 2025**. 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.icaain-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 AI-Enabled Wearables: Potential of IoT for Healthcare and Beyond at the top (above paper title) of the first page of your paper.

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