



ICAIN-2026

International Conference on Artificial Intelligence and Networking

26th -28th November 2026
Organized by
BITS Pilani, Dubai Campus
In association with
Indian Institute of Information Technology, Allahabad

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

SPECIAL SESSION ON

AI and Data Analytics for Intelligent Decision Systems in Smart Healthcare

SESSION ORGANIZERS:

1. **Dr. Sakshi Gupta, Dronacharya College of Engineering, Gurugram, India**
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EDITORIAL BOARD: (Optional)

[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:

The rapid integration of Artificial Intelligence (AI) and Data Analytics into healthcare systems is transforming the way medical decisions are made, delivered, and optimized. This special session aims to provide a focused forum for researchers, practitioners, and industry experts to present recent advances in AI-driven data analytics and intelligent decision systems for smart healthcare applications. Emphasis will be placed on data-centric models, predictive analytics, and intelligent frameworks that support clinical decision-making, personalized medicine, disease prevention, and healthcare sustainability. The session encourages interdisciplinary contributions combining mathematics, statistics, machine learning, optimization, and healthcare informatics to address real-world healthcare challenges and improve patient outcomes.

RECOMMENDED TOPICS:

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

- AI-based clinical decision support systems
- Advanced analytics for real-time healthcare decision-making
- Deep Learning Models for Smart Healthcare Diagnostics
- Explainable AI (XAI) for Medical Decision Support
- Intelligent decision systems for personalized and precision medicine
- Big Data Analytics for Predictive Healthcare Systems
- Mathematical and statistical models in healthcare analytics
- AI-driven medical image and signal analysis
- Data-driven optimization and decision-making for smart healthcare
- Data Security & Blockchain Solutions in Healthcare

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on **AI and Data Analytics for Intelligent Decision Systems in Smart Healthcare** *on or before* [30th August 2026]. 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

AI and Data Analytics for Intelligent Decision Systems in Smart Healthcare
at the top (above paper title) of the first page of your paper.

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