



**ICAIN-2026**  
**International Conference on Artificial**  
**Intelligence and Networking**

**26<sup>th</sup> -28<sup>th</sup> 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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