



ComSIA-2026

International Conference on Computing Systems and Intelligent Applications

*Organized by School of Open Learning, University of Delhi & Shaheed Rajguru
College of Applied Sciences for Women, University of Delhi
20-21st March 2026.*

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

SPECIAL SESSION ON

Digital Health & AI for Healthcare Applications

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

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

SESSION DESCRIPTION:

The rapid advancement of Artificial Intelligence (AI), data analytics, and IoT technologies is revolutionizing the healthcare sector, paving the way for innovative digital health solutions. This special session aims to bring together researchers, practitioners, and industry experts to explore the role of AI in healthcare applications ranging from disease prediction, diagnostics, and personalized medicine to telemedicine, remote monitoring, and smart healthcare systems.

The session will provide a platform to discuss cutting-edge research on AI-driven medical imaging, clinical decision support systems, natural language processing for healthcare records, federated and privacy-preserving learning, and wearable/IoT-enabled health monitoring. Emphasis will also be placed on challenges related to data security, ethical considerations, and the need for explainable and trustworthy AI in healthcare.

By fostering cross-disciplinary dialogue, this session will highlight novel frameworks, algorithms, and real-world deployments of AI in digital health, ultimately contributing to more efficient, accessible, and patient-centered healthcare services.

RECOMMENDED TOPICS:

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

1. AI and Machine Learning for disease prediction and early diagnosis
2. Medical image analysis and computer-aided diagnostics
3. Digital twins and personalized medicine powered by AI
4. Telemedicine, remote monitoring, and IoT-enabled healthcare systems
5. Federated learning and privacy-preserving frameworks for health data
6. Natural language processing for electronic health records and clinical text mining

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on “**Digital Health & AI for Healthcare Applications**” *on or before 30 Oct, 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://comsia.in/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify “**Digital Health & AI for Healthcare Applications**” at the top (above paper title) of the first page of your paper.

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