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
NLP and its emerging applications

SESSION ORGANIZERS:
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EDITORIAL BOARD: (Optional)
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SESSION DESCRIPTION:
This session will focus on the fast-growing field of Natural Language Processing (NLP) and how it can be applied to new real-life applications. It will act as an international space for researchers and practitioners to communicate discoveries and cross-sector novelty in the field of NLP. The recent decade has witnessed the evolution of NLP models built based on the rule to deep learning and transformer-based systems, allowing the use of NLP in the most specific fields.

Nowadays, NLP is increasingly used in various tasks, such as clinical text mining, digital health assistants, automated generation of medical reports, precision agriculture, remote sensing data analytics, and security based on biometric and voice recognition analysis. By combining multimodal systems, edge computing, and a wearable device with NLP, new opportunities have arisen in the prediction of analytics and decision support systems, especially concerning healthcare and intelligent environment predictions. The purpose of this session of ComSIA-2026 is to present these new research directions and provide a basis for meaningful discussion and collaborations of the global research community operating at the nexus of NLP, AI, and applied fields.

RECOMMENDED TOPICS:

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

- **Clinical Text Mining for Predictive Health Monitoring**
- **NLP-Powered Chatbots for Telemedicine**
- **Automatic Report Generation from Medical Images**
- **Fake Medical News and Misinformation Detection**
- **Natural Language Interfaces for Agricultural Monitoring**
- **Multimodal Analysis of UAV Data and Operator Reports**
- **Digital Twin Systems with NLP-Driven Behavior Modeling**
- **Emotion and Sentiment Analysis in Healthcare Wearables**
- **Biometric Authentication via Voiceprint and Language Usage**
- **Spatial-Temporal Event Extraction from Sensor Logs**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **"NLP and its emerging applications"** *on or before* **August 30, 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 **"NLP and its emerging applications"** at the top (above paper title) of the first page of your paper.

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