ICICC-2025
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ORGANISED BY: SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES, UNIVERSITY OF DELHI, NEW DELHI IN ASSOCIATION WITH NATIONAL INSTITUTE OF TECHNOLOGY PATNA & UNIVERSITY OF VALLADOLID SPAIN

On

14-15 FEBRUARY 2025.

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

SPECIAL SESSION ON

Role of Generative AI for Healthcare Systems

SESSION ORGANIZERS:

1. **Dr Sonali Vyas**, Associate Professor, School of Computer Science, UPES Dehradun, Uttarakhand, India, Email: researcher.svyas@gmail.com
2. **Dr Mitali Chugh**, Associate Professor, School of Computer Science, UPES Dehradun, Uttarakhand, India, Email: mitalichugh11@gmail.com
3. **Dr. Vinod Kumar Shukla**, Associate Professor, Amity University Dubai, UAE, Email: vinodkumarshukla@gmail.com

SESSION DESCRIPTION:

Generative AI is going to disrupt the health systems, from innovation in diagnosis, treatment planning, drug development, and personalized medicine. It makes use of high-intensity machine learning techniques such as natural language processing, deep learning, and generates new data, new models, and insights, offers tools to healthcare professionals that improve patient outcomes and streamline operations. Its influence can be related to diagnostic imagining, generative models improving imagery, detecting abnormalities, and even the simulation of possible results after certain treatments. For instance, AI models find patterns in radiology scans or pathology slides undetectable by human eyes. This allows for early, more precise diagnoses of diseases related to cancer and neurological disorders. This Special session covers all the aspects of Generative AI implementations in the Healthcare Systems.

RECOMMENDED TOPICS:

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

- Generative AI Models for Healthcare Systems.
- Realistic Medical Data Analysis and Simulation.
- Generative AI Models for Medical Image Data Management.
- Generative AI Models for Disease Prediction and Personalized Treatment.

- Generative AI For Enhancing Medical Image Quality and Disease Detection.
- Case Studies Based on The Generative AI Models for Healthcare Systems.
- Handling Multimodal Patient Data Analysis and Storage.
- Generative AI-Powered Electronic Healthcare Records Management.
- AI based Tele-Medicine and Bio-Sensors Techniques for Healthcare systems.
- Bio-Inspired Optimization for Healthcare Systems.
- Security Practices and Challenges in Healthcare Using Generative AI

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **"Role of Generative AI for Healthcare Systems"** on *or before* 30th **November 2024**. 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://icicc-conf.com/paper_submission. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify **Role of Generative AI for Healthcare Systems** at the top (above paper title) of the first page of your paper.

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