ICAIN-2024
International Conference on Artificial Intelligence and Networking

Organized by
Guru Tegh Bahadur Institute of Technology (GTBIT),
affiliated to
Guru Gobind Singh Indraprastha University (GGSIPU), Delhi
in association with
Portalegre Polytechnic University & Institute of Technology and Business in České Budějovice, Czech Republic
&
Keshav Mahavidyalaya, University of Delhi

24th - 25th September 2024

CALL FOR PAPERS

SPECIAL SESSION ON
COMPUTATIONAL INTELLIGENCE IN DISEASE DIAGNOSIS, PREDICTION, AND PREVENTION

SESSION DESCRIPTION:
The aim of this special session is to bring together researchers, academicians, and professionals from the interdisciplinary field of computational intelligence, healthcare, and data science to explore innovative approaches, methodologies, and applications for advancing disease diagnosis, prediction, and prevention. The session will focus on the integration of computational intelligence techniques, such as machine learning, artificial intelligence, and data analytics, into healthcare systems to enhance the accuracy, efficiency, and effectiveness of disease-related decision-making processes.

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

- Optimizing medical prediction problems using Swarm Intelligence
- Meta-Learning for Few-Shot Learning from medical images
- Transfer Learning applications in disease prediction using medical images
- Explainable AI in decision-making systems on treatment systems
- Federated Learning in electronic health record management
- Optimizing Neural Networks with evolutionary algorithms
- Quantum Computing applications in the medical domain
- Reinforcement Learning in the medical decision-making system
- Generative Adversarial Networks in medical data analysis
- Mathematical modeling of electronic health record diagnosis

This special session aims to provide a platform for researchers and professionals to share their insights, latest research findings, and experiences in the application of computational intelligence in the healthcare domain, ultimately contributing to the advancement of disease diagnosis, prediction, and prevention.

SESSION ORGANIZER:

Dr. PRASANALAKSHMI B
College of Computer Science,
King Khalid University,
Abha, Saudi Arabia.
Email: drsana@ieee.org

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[COMPUTATIONAL INTELLIGENCE IN DISEASE DIAGNOSIS, PREDICTION, AND PREVENTION on or before 30th July 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://www.icain-conf.com/downloads. All submitted papers will be reviewed on a double-blind, peer-reviewbasis.

NOTE:

While submitting a paper in this special session, please specify **[COMPUTATIONAL INTELLIGENCE IN DISEASE DIAGNOSIS, PREDICTION, AND PREVENTION]** at the top (above paper title) of the first page of your paper.

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