



**International Conference on Recent Advances in
Artificial Intelligence, Communication, and
Electronic Systems
RAICE-2025**



ORGANISED BY
**Department of Electronics and Communication Engineering
& Research and Development cell**
Bharati Vidyapeeth's College of Engineering, New Delhi
5th – 7th February 2025

***** **CALL FOR SPECIAL SESSION** *****

SPECIAL SESSION ON: Next-Gen Robotics and AI in Healthcare

SESSION ORGANIZERS:

Session Member 1: Dr. Shraddha Arora, Assistant Professor, The NorthCap University,
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Session Member 2: Dr. Meenakshi Malik, Assistant Professor, BML Munjal University,
Meenakshi.malik@bmu.edu.in

Session Member 3: Dr. Monika Lamba, Assistant Professor, The NorthCap University,
missmonikalamba@gmail.com

Session Member 4: Dr. Nishu, Assistant Professor, The NorthCap University, nishu@ncuindia.edu

TPC/Reviewer Names: (Optional)

Member 1: Dr. Geetika Munjal, Associate Professor, Amity University, [munjal.geetika@gmail.com](mailto:munjhal.geetika@gmail.com)

Member 2: Prof. S. Indu, Professor, Delhi Technological University, s.indu@dce.ac.in

Member 3: Dr. Anshul Bhatia, Assistant Professor, GGSIPU, anshulbhatia.usar@ipu.ac.in

RECOMMENDED TOPICS:

Mention topics to be discussed in this special session (at least 10)

1. Cognitive Robotics
2. AI for Healthcare
3. Cobotics (Collaborative Robotics)
4. Human Robot Interaction
5. Ontology in healthcare

SESSION DESCRIPTION:

In recent years, the healthcare industry has witnessed transformative advancements driven by the integration of smart robotics and artificial intelligence (AI). This conference, "Smart Robotics and AI in Healthcare: Engineering Tomorrow's Solutions Today," aims to explore the cutting-edge developments at the intersection of these technologies and their profound impact on medical practice.

Smart robotics and AI are reshaping the healthcare landscape by enhancing precision, efficiency, and personalization in patient care. Robotics are increasingly utilized in surgical procedures, offering unprecedented accuracy and minimally invasive options, thus reducing recovery times and improving patient outcomes. AI algorithms are revolutionizing diagnostics by analyzing vast datasets with remarkable speed and accuracy, enabling early detection of diseases and personalized treatment plans.

The conference will bring together experts from diverse fields, including engineering, healthcare, robotics, and AI, to share insights and collaborate on pioneering projects. Key topics will include the development of AI-driven diagnostic tools, robotic surgical systems, patient monitoring technologies, and the ethical considerations surrounding these innovations.

Participants will have the opportunity to engage in thought-provoking discussions, witness live demonstrations of state-of-the-art technologies, and network with leaders in the field. By fostering interdisciplinary collaboration, this conference seeks to accelerate the adoption of smart robotics and AI in healthcare, ultimately engineering tomorrow's solutions today.

Join us in exploring how these groundbreaking technologies are not only enhancing current medical practices but also paving the way for a future where healthcare is more effective, accessible, and personalized than ever before.

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for the special session on **[Next-Gen Robotics and AI in Healthcare]** on or before **[15th September 2024]**.

All submissions must be original and may not be under review by any another publication. INTERESTED AUTHORS SHOULD FOLLOW THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS.

All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting a paper in the special session, please specify **[Next-Gen Robotics and AI in Healthcare]** at the top (above paper title) of the first page of your paper.