

























Special Session Chairs:

Dr. Mudassir Khan King Khalid University, Saudi Arabia

mkmiyob@kku.edu.sa

Dr. Rupali Atul Mahajan Vishwakarma Institute of Technology, India. (Associate Dean-R&D) rupali.mahajan@viit.ac.in

Special session title:

Empowering Healthcare System with AI and Machine Learning: Future scope & Challenges

Brief description of the proposed topic (150-300 words):

The special session on "Empowering Healthcare Systems with AI and Machine Learning: Future Scope & Challenges" will focus on the potential of artificial intelligence and machine learning technologies in transforming healthcare delivery and enhancing health outcomes. There is no doubt that the worldwide healthcare systems are facing unprecedented difficulties and challenges, including the escalating costs, the growing patient demand, and the development of personalized care. Therefore, AI and machine learning technologies are seen as tools to increase productivity, to guarantee preciseness, and to make the healthcare system more available for all. The session aims to concentrate and convey experts, practitioners, and researchers as they share their views on the groundbreaking applications, scrutinize the actual real-case studies before taking up the moral, regulatory and operational challenges that usually come with the entrance of these technologies into the healthcare sector. Attendees are expected to have an insight into a healthcare horizon in which AI and machine learning underpin the deep collaboration and knowledge sharing based on the technological innovative for the procedures to be highly effective thereby.

RECOMMENDED TOPICS:

- AI in Predictive Analytics: Anticipating Patient Needs and Outcomes
- Machine Learning Algorithms for Personalized Medicine: Customizing Care Plans
- Ethical Considerations in AI Adoption in Healthcare: Balancing Innovation and Responsibility
- Real-World Applications of AI in Radiology and Imaging Diagnostics
- AI-Enhanced Clinical Decision Support Systems: Improving Diagnostic Accuracy
- The Role of AI in Managing Chronic Diseases: Innovations and Case Studies
- Interoperability Challenges: Integrating AI Solutions Across Diverse Healthcare Systems
- Regulatory Frameworks for AI in Healthcare: Navigating Compliance and Standards
- Patient Engagement and AI: Revolutionizing Communication and Support

Email(s) of chairs:

- Mudassir Khan (mkmiyob@kku.edu.sa)
- Rupali Atul Mahajan (rupali.mahajan@viit.ac.in)