

Department of Electronics & Communication Engineering

Event Report: Demystifying Role of AI in Diagnostic Imaging

Date: August 26, 2023

Time: 10:30 AM onwards

The Department of Electronics & Communication Engineering, in collaboration with the IETE Student Forum, successfully organized a 3-day workshop titled "Demystifying Role of AI in Diagnostic Imaging." The event aimed to create awareness among students about the transformative impact of artificial intelligence (AI) in the realm of diagnostic imaging.

Objective:

The primary objective of the technical talk was to elucidate the pivotal role of AI in the field of diagnostic imaging. The presentation aimed to unravel the intricate ways in which AI technologies are revolutionizing medical image analysis and interpretation, providing participants with a deeper comprehension of its significance in healthcare.

About the Technical Talk:

The technical talk delved into the convergence of AI and diagnostic imaging, exploring how AI-driven algorithms are reshaping the accuracy, efficiency, and speed of diagnosing medical conditions through various imaging modalities. The session covered underlying machine learning principles, data integration techniques, and collaborative aspects of AI-augmented radiology, emphasizing the synergistic relationship between AI tools and radiologists.

The speaker highlighted the fusion of AI and imaging, promising enhanced healthcare precision and efficiency. The audience gained insights into specific tasks that AI can accomplish, such as the detection of anomalies, quantitative analysis, and even predictive insights. The technical talk provided a comprehensive understanding of the potential challenges and ethical considerations associated with integrating AI in the field of diagnostic imaging.

Outcome:

By the conclusion of the technical talk, participants had acquired a clear understanding of the mechanisms by which AI enhances diagnostic imaging processes. They were familiar with the specific tasks AI can accomplish, and the potential benefits it brings to the medical field. The talk empowered participants with the knowledge required to appreciate, evaluate, and embrace the transformative impact of AI in diagnostic imaging.

Department of Electronics & Communication Engineering

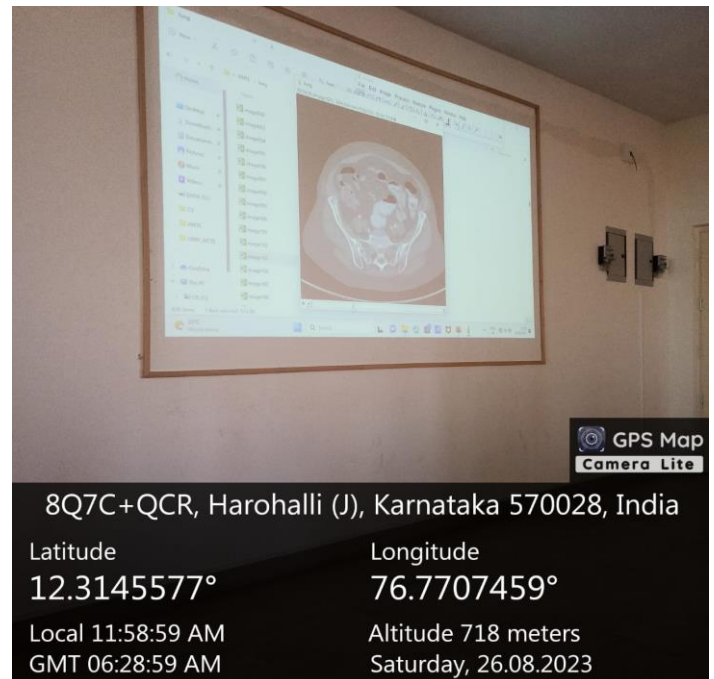
Conclusion:

The "Demystifying Role of AI in Diagnostic Imaging" workshop proved to be an enlightening experience, contributing to the academic and professional development of participants. The department and the IETE Student Forum remain committed to organizing such informative events that bridge the gap between theoretical knowledge and practical applications in the field of electronics and communication engineering.

Event Coordinator

Ms. Anupama Shetter, Assistant Professor

Mrs. Keerthi A kumbar, Assistant Professor



Department of Electronics & Communication Engineering

