



METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY

[Autonomous Institution]

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DEPARTMENT OF ECE

Date: April 24th, 2023

The Department of Electronics and Communication Engineering hosted an enlightening Technical Talk on the Medical Applications of Electromagnetic (EM) Waves, featuring esteemed speaker Prof. S.K. Kaul from IIT Delhi. Held on April 24th, 2023, the event aimed to explore the diverse ways in which EM waves are utilized in medical diagnostics and treatments, offering students valuable insights into the intersection of engineering and healthcare.

Speaker Profile:

Prof. S.K. Kaul, a distinguished faculty member at IIT Delhi with expertise in biomedical engineering and electromagnetics, brought a wealth of knowledge and experience to the session. With a keen focus on translating engineering innovations into tangible healthcare solutions, Prof. Kaul's insights resonated deeply with students aspiring to make a positive impact in the field of medical technology.

Participants:


A total of 50 students from diverse academic backgrounds actively participated in the Technical Talk on Medical Applications of EM Waves. Their enthusiasm for exploring the convergence of engineering and medicine underscored the relevance and significance of the event in shaping their academic and professional trajectories.


Key Highlights:

Overview of Medical Imaging Techniques: Prof. Kaul provided a comprehensive overview of medical imaging techniques that rely on EM waves, including X-rays, magnetic resonance imaging (MRI), computed tomography (CT), and ultrasound. Through illustrative examples and case studies, students gained insights into the underlying physics principles, imaging modalities, and clinical applications of each technique. The exchange of ideas and experiences fostered a collaborative learning environment, enriching participants' understanding of the complex interplay between engineering principles and medical applications.

Conclusion:

In conclusion, the Technical Talk exemplified the department's commitment to nurturing holistic education and fostering synergies between engineering and healthcare disciplines. The event underscored the department's role in shaping the future of healthcare innovation.


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