



**DCT's
Dhempe College of Arts and Science
Miramar Panaji Goa**

Report on talk: 'Exploring Opportunities in Medical Physics' organised by Department of Physics, DCT's Dhempe College of Arts and Science, Miramar, Panaji, Goa.

Objective

The primary objective of the talk was to provide students with a comprehensive understanding of medical physics, its clinical applications, career pathways, and research opportunities. It aimed to highlight the crucial role of medical physicists in healthcare, particularly in radiology, radiation oncology, and nuclear medicine, while also outlining the educational requirements, certification processes, and professional responsibilities associated with the field.

Proceedings

Department of Physics of Dhempe College of Arts and Science under DBT Star College Scheme, organized a talk on 'Exploring Opportunities in Medical Physics' on 8th March 2025, Mr. Madhusudhan chatim, Medical physicist and RSO, Department of radiology, Goa Medical College, was the Resource Person for the same. The talk highlighted the better understanding of medical physics, its clinical applications, career pathways, and research opportunities. Attendees learned about the opportunities in the medical physics. 50 students participated in the event.

Outcomes

The talk on '*Exploring Opportunities in Medical Physics*' provided participants with a comprehensive understanding of the field, covering its fundamental principles, clinical applications, and career prospects. Attendees gained valuable insights into the educational pathways, certifications, and essential skills required to become a medical physicist. The session highlighted the critical role of medical physicists in diagnostic imaging, radiation therapy, and radiation safety, emphasizing their contributions to patient care and technological advancements. Additionally, the seminar shed light on ongoing research opportunities, including innovations in cancer treatment, cardiovascular imaging, and emerging medical technologies. Participants also developed an awareness of the importance of radiation safety regulations and the role of medical physicists in policy-making, ensuring compliance with healthcare standards.



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