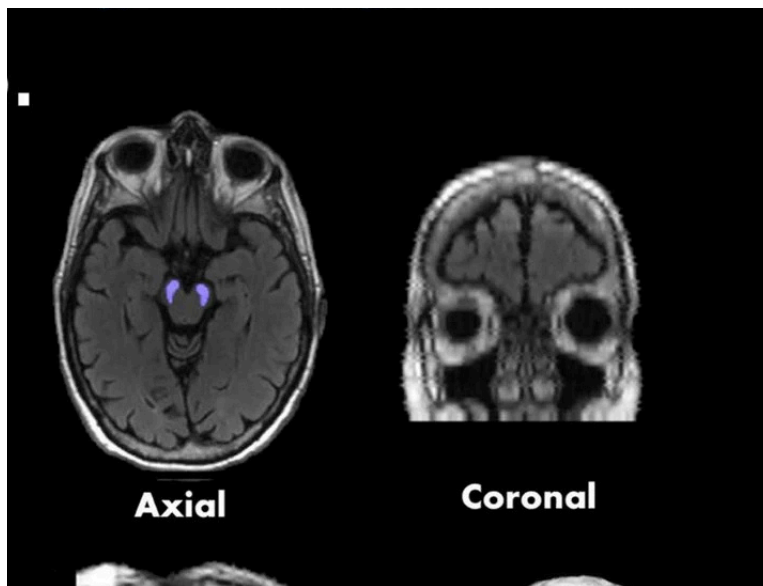




Project spotlights: Our Medical Physics Club students explored the working principles, applications, and future advancements of Magnetic Resonance Imaging (MRI) in modern healthcare. The study focused on how MRI uses strong magnetic fields and radio waves to create detailed images of internal body structures without harmful radiation. Students researched the importance of MRI in diagnosing brain disorders, spinal injuries, tumors, heart diseases, and joint abnormalities.



Student Voices : Students shared that learning about MRI technology increased their interest in medical physics and helped them understand how science and technology can improve human health. Many students expressed curiosity about future careers in healthcare research, radiology, and biomedical engineering.

Project Report and Skill Development

Science talk : The Future of MRI: Faster, Smarter, Safer

Ishita Sharma- 08/05/2026



Project Goals:

The project aimed to help students understand the scientific principles behind MRI technology and its significance in modern medicine. It encouraged awareness about how advancements in physics and technology contribute to accurate diagnosis, safer imaging methods, and improved healthcare systems. The activity also inspired students to explore future innovations in medical imaging and research.

Process/ Steps:

Students divided themselves into research groups to study different aspects of MRI technology, including its working mechanism, medical applications, advantages, limitations, and future developments. Each team collected information from scientific articles, healthcare resources, and technological reports. The findings were compiled into presentations and discussed during a science talk session focused on the future of MRI in healthcare and diagnostics.

Skills Learned:

Students developed research, teamwork, analytical thinking, and presentation skills while learning about MRI technology and its future applications in healthcare.

Findings:

Students learned that MRI is a safe and advanced imaging technology that may become faster, smarter, and more accurate in the future..

Conclusion:

The project helped students understand the importance of MRI technology in modern healthcare and how future advancements can improve diagnosis and patient care. It also encouraged curiosity about the role of science, physics, and innovation in medical research and technology.



Meet the Team :



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Club Name :
Medical Physics Club

Motto :
Feel the pulse of physics

Manager:
Ms. Ishita Sharma