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IIT Delhi inaugurates state-of-the-art MRI research facility

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To serve as a hands-on training platform for students enrolled in IIT Delhi



The Indian Institute of Technology Delhi (IIT Delhi) has inaugurated a cutting-edge Magnetic Resonance Imaging (MRI) research facility, established under the Institute of Eminence (IoE) initiative. Prof. Rangan Banerjee, Director of IIT Delhi, formally inaugurated the facility.

Equipped with a 1.5 Tesla clinical-grade MRI scanner, this facility is the first of its kind among leading engineering and technology institutions in India, dedicated exclusively to research and teaching.

Unlike conventional MRI setups embedded within hospital ecosystems, this facility is designed to foster unrestricted innovation in medical imaging, particularly in Magnetic Resonance Imaging (MRI).

This facility will enable cutting-edge research in various areas across applications in MR imaging, including the development of new contrast agents, acquisition sequences, optimisation of imaging protocols, development of MR-compatible devices, and integration of artificial intelligence in image processing.

This landmark achievement represents a major stride in India's biomedical research capabilities and reaffirms IIT Delhi's commitment to driving innovation in healthcare technology.

Located within the Centre for Biomedical Engineering (CBME) at IIT Delhi, the facility will initially support research using phantoms and, with appropriate regulatory approvals, will extend to clinical studies involving volunteers. It will also serve as a hands-on training platform for students enrolled in IIT Delhi medical imaging courses, enhancing their practical exposure to advanced imaging technologies.