

JOB DESCRIPTION	
ORGANIZATION	IISC MEDICAL SCHOOL FOUNDATION
POSITION	SENIOR TECHNOLOGIST - CT & MRI
REPORTING TO	HOD RADIOLOGY
Key areas of responsibility:	To provide advanced, high-quality CT and MRI imaging services while leading modality operations, commissioning, protocol optimization, quality assurance, and digital workflow integration in a tertiary care hospital. To ensure safe, efficient, and high-quality CT and MRI imaging services, with responsibility for modality leadership, equipment commissioning, protocol standardization, quality assurance, and mentoring of technologists.
Overall Responsibilities:	Lead protocol development, optimization, and standardization for CT and MRI across clinical indications to ensure diagnostic quality and radiation dose optimization.
	Ensure appropriate patient preparation, consent verification, contrast administration, and post-procedure instructions for CT and MRI procedures.
	Review images for quality, accuracy, and completeness prior to submission for reporting and initiate corrective action when required.
	Ensure strict adherence to radiation safety, MRI safety (Zone management), infection control, and patient confidentiality norms.
	Lead and actively participate in commissioning, installation, acceptance testing, and clinical validation of CT and MRI equipment.
	Coordinate with vendors, biomedical engineering, medical physics, IT, and facilities teams during equipment installation, upgrades, and relocations.
	Ensure integration of CT and MRI systems with HIS, RIS, PACS, EMR, and reporting systems, including modality worklist configuration and DICOM compliance.
	Oversee preventive maintenance schedules, quality control programs, downtime management, and troubleshooting of equipment issues.
	Maintain documentation related to commissioning, calibration, quality assurance tests, and statutory compliance.
	Act as the technical lead and mentor for CT and MRI technologists, providing training on protocols, safety, and system usage.
	Coordinate with radiologists to support MDT meetings, protocol updates, and introduction of advanced imaging techniques.
	Support digital imaging workflows including scheduling, image routing, archiving, teleradiology, and turnaround time optimization.
	Participate in audits, accreditation activities (NABH/AERB), and quality improvement initiatives related to radiology services.
	Monitor modality-specific KPIs including utilization, repeat rates, turnaround times, downtime, and image quality indicators.

	Ensure compliance with hospital policies, statutory requirements, and accreditation standards.
	Escalate clinical, technical, or safety incidents in a timely manner and support root cause analysis and corrective actions.
	Perform other responsibilities as assigned by the Radiology Manager or Head of Radiology.
Key Performance Indicators - Measurable Deliverables	CT and MRI utilization rates and throughput
	Image quality acceptance rate by radiologists
	Reduction in repeat scans and protocol deviations
	Equipment uptime and mean time to repair (MTTR)
	Compliance with radiation dose and MRI safety standards
	Turnaround time for CT and MRI studies
	Successful commissioning and stabilization of new equipment
Essential Qualification :	Diploma / Bachelor's Degree in Medical Imaging Technology from an AERB recognised institution
Professional Experience :	10–15 years of experience in Radiology Services, with extensive hands-on experience in CT and MRI Mandatory experience in commissioning, installation, and acceptance testing of CT and/or MRI equipment Experience in a multi-specialty tertiary care hospital with high patient volumes Demonstrated exposure to advanced imaging protocols and digital imaging environments
Strong Skills :	Clinical expertise, technical leadership, problem-solving, attention to detail, mentoring and training, communication, adaptability, patient-centric approach, and ability to function in high-acuity environments.
Industry Preference :	Healthcare
Reporting structure :	HOD Radiology
Reportee	CT & MRI Technologists
Key Interaction - Internal	Radiologists, Medical Physicists, Nursing Team, Biomedical Engineering, IT/HIS Team, Quality & Safety Team

Key Interaction - External	Equipment Vendors, Service Engineers, Application Specialists, Regulatory Inspectors (as applicable)
Knowledge and Technical competencies/Skills:	Advanced proficiency in CT and MRI operations, protocols, and safety standards
	Strong understanding of HIS, RIS, PACS, DICOM, modality worklists, and image archiving
	Knowledge of radiation dose optimization techniques and MRI safety zoning
	Ability to lead equipment commissioning, acceptance testing, and clinical go-live
	Familiarity with accreditation standards (NABH, AERB) and quality assurance programs
	Competence in digital documentation, incident reporting, and KPI tracking systems
	Commitment to continuous learning and adoption of new imaging technologies
Salary Structure	Salary to commensurate as per industry standards

GENERAL CONDITIONS

1. The nature of the employment will be contractual during the project phase and is subject to annual review and renewal. However, the engagement is terminable from either side without any reasons but with one month notice or salary in lieu thereof. The decision of the IMSF in this regard shall be final and binding on the candidate.
2. No accommodation will be provided.
3. The candidates have to appear in the selection process at their own cost.

Mode of Selection: Candidates who are desirous to be considered may submit the CV and cover letter highlighting the qualifications and experience to **office@iiscmedicalschoolfoundation.org** on or before **27/02/2026, 5.00 PM** with the subject line: **“Application for Senior Technologist-CT & MRI”**. The eligible applicants will be called for an interview. Applications received after the deadline will not be considered for selection.