

JOB DESCRIPTION	
Organization	IISc Medical School Foundation
Position	Senior Clinical Engineer
Reporting structure	Head Clinical Engineering
Key areas of responsibility	The Senior Clinical Engineer will be responsible for managing clinical engineering activities to ensure safe, reliable, and compliant operation of medical equipment across hospital facilities. The role requires strong hands-on technical expertise, supervisory capability, and documentation skills, with a focus on patient safety, operational efficiency, and regulatory compliance. The position also supports hospital accreditation, project commissioning, and medical equipment procurement initiatives of the Foundation.
Overall Responsibilities	<p>Carry out technical evaluation of medical equipment as part of procurement, including preparation of technical specifications, comparison of bids, technical compliance assessment, and support to purchase related activities.</p> <p>Supervise and participate in tendering processes, including preparation of tender documents, technical inputs, evaluation support, and tender processing</p> <p>Supervise installation, commissioning, and validation of medical equipment</p> <p>Plan and execute preventive maintenance, breakdown maintenance, and calibration activities</p> <p>Perform and supervise in-house maintenance of biomedical equipment</p> <p>Supervise medical equipment and associated clinical engineering works, as applicable to the post</p> <p>Prepare and/or supervise estimates for clinical engineering works</p> <p>Maintain comprehensive documentation including SOPs, maintenance records, calibration logs, and asset registers</p> <p>Conduct and coordinate user training programs for safe and effective equipment usage</p> <p>Support hospital accreditation processes by ensuring compliance with applicable standards and regulatory requirements</p> <p>Prepare technical reports, performance analysis, and compliance documentation</p> <p>Review AutoCAD drawings related to medical equipment layouts and installations</p> <p>Prepare presentation materials and technical briefing documents for internal and external stakeholders</p> <p>Coordinate with vendors, service providers, and internal teams for equipment performance, upgrades, and procurement</p> <p>Contribute to hospital project commissioning, medical equipment planning, and procurement activities</p>
Key Performance Indicators -	Medical Equipment Uptime

Measurable Deliverables	Preventive Maintenance Compliance
	Breakdown Response Time
	Reduction in OEM Service Dependency
	Calibration Compliance
	Documentation & Audit Readiness
	User Training Coverage
	Procurement & Tender Support Quality
	Project & Commissioning Timelines
	Regulatory & Accreditation Support
Essential Qualification	BE / BTech in Biomedical Engineering, Instrumentation Engineering, or Electronics Engineering
	Minimum 7 years of experience in the clinical engineering field, including at least 5 years in a hospital environment
	Hands-on experience in installation, preventive maintenance, breakdown maintenance, calibration, and user training
Professional Experience	Proven capability in in-house maintenance of medical equipment
	Strong skills in documentation & technical report preparation
	Knowledge of hospital project commissioning
	Experience in medical equipment procurement and lifecycle management
Strong Skills	Hands-on expertise in installation, commissioning, calibration, and troubleshooting of medical equipment
	Strong in-house maintenance capability with focus on uptime and reduced OEM dependency
	Sound knowledge of medical equipment lifecycle management
	Effective preventive and breakdown maintenance planning
	Strong documentation, compliance, and audit orientation
	Proficiency in technical specifications, tender evaluation, and procurement support
	Supervisory and mentoring capability for engineering teams
	Strong analytical, problem-solving, and stakeholder communication skills
Industry Preference	Healthcare - multi-specialty hospitals, teaching hospitals / academic medical centres, Tertiary care and quaternary care hospitals, Research-oriented healthcare institutions, Exposure to greenfield / brownfield hospital projects preferred
Reporting structure	Reports functionally and administratively to: Head Clinical Engineering
Reportee	Clinical Engineers / Biomedical Engineers, Biomedical Technicians, Contract technical staff (as applicable) Trainees / Interns (if assigned)
Key Interaction - Internal	Medical Superintendent, Doctors and Clinical Heads, Nursing leadership and unit in-charges, Hospital Administration, Purchase & Procurement Team, Finance & Accounts, Quality & Accreditation Team, Projects and Infrastructure Team, IT & Facilities Management (for integrated systems)

Key Interaction - External	Medical equipment OEMs and authorized service providers, Calibration agencies and statutory inspection bodies, Vendors and suppliers during procurement and tendering, Project consultants and contractors,Regulatory and inspection authorities (as applicable)
Knowledge and Technical competencies/Skills	Strong computer proficiency including MS Excel, Word, and PowerPoint.
	Clinical Engineering & Equipment Management
	Procurement & Tendering
	Documentation & Compliance
	Accreditation & Regulatory Support
	Project & Commissioning Support
	Training & Capacity Building
	Technical Tools & Software
Salary Structure	Salary to commensurate as per industry standards
How to apply	Send your CV and cover letter to office@iiscmedicalschoolfoundation.org on or before 22/01/2026,5.00 PM with the subject line: “Application for Senior Clinical Engineer”