

Date: 30-09-2026

Subject: Advertisement for the post of Project Technical Support-III and I (Non-Medical) (No. of Posts: One Each)

Applications are invited from Indian nationals with excellent academic and research backgrounds for the post of Project Research Scientist-I (Non-Medical) in an Indian Council of Medical Research (ICMR)-funded project. Details are given below:

Name of the Post	Project Technical Support-I (Non-Medical) and Project Technical Support-III (Non-Medical)
No. of Post	One each
Project Title	AI-assisted 3D Vein Viewer: Portable NIR stereovision device using AI-based depth mapping to guide clinicians in safe, accurate IV access and jugular cannulation for challenging patients
Job description	Job Description: Project Technical Support-III The selected candidate will support the development, testing and validation of the AI-assisted NIR 3D vein-viewer device. Duties will include: - Assisting in prototype design, assembly, testing and troubleshooting. - Integrating NIR LEDs, cameras, Raspberry Pi/embedded hardware, display and power modules. - Supporting CAD design, 3D printing, enclosure development and thermal-management improvements. - Performing camera alignment, calibration, phantom testing and laboratory validation. - Assisting in data collection, data analysis, documentation, reports and presentations. - Coordinating with project scientists, clinicians, engineers and industry partners. - Carrying out any other project-related work assigned by the PI. Job Description: Project Technical Support-I The selected candidate will provide technical and laboratory support for the AI-assisted NIR 3D vein-viewer project. Duties will include: - Assisting in device assembly, wiring, testing and routine maintenance. - Supporting laboratory experiments, phantom studies and basic imaging trials. - Helping with 3D printing, mechanical assembly, component procurement and inventory. - Maintaining experimental records, data sheets, images and project files. - Assisting in documentation, reports, presentations and clinical-site coordination. - Supporting the PI and project team in day-to-day project-related activities.
Period of Appointment	The appointment will be on a temporary basis for 11 months, starting as soon as possible and extendable for another 3 years based on performance and availability of funding.
Remuneration (/month)	18000 + 30% HRA Project Technical Support-I (Non-Medical) 28000 + 30% HRA Project Technical Support-III (Non-Medical)
Essential Qualifications	Project Technical Support-III: M.Sc. in Physics/Biomedical Science or B.E./B.Tech. in Engineering, preferably in Mechanical, Electrical, Electronics, Instrumentation, Biomedical Engineering, or related areas. Project Technical Support-I: Three-year under graduate degree in Science, preferably with Physics specialization, or Diploma in Engineering, preferably in Mechanical, Electrical, Electronics, Instrumentation, Biomedical Engineering, or related areas. Desirable Qualifications: For Project Technical Support-III, prior research/laboratory experience in instrumentation, biomedical device development, optics/imaging, electronics, embedded systems, CAD/3D printing, data analysis, or related areas will be preferred.

Age Limit	Not more than 30 years as on the last day of application;
Selection Procedure	Candidates will be shortlisted based on academic record and relevant experience. Only shortlisted candidates will be contacted for the online interview. Meeting the eligibility criteria does not guarantee an interview call. The PI reserves the right not to fill the position if no suitable candidate is found.

Note:

1. Interested candidates meeting the above criteria should fill in the Google form using the following link (<https://forms.gle/6X6p8CfeBBMSH3Ug8>) by **17 October 2026** (incomplete applications will not be evaluated).
2. For any query in this regard, candidates may write to Prof. Vandana Sharma (**Email: vsharma@phy.iith.ac.in**), Department of Physics.