



INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR – 721 302, INDIA
Sponsored Research and Industrial Consultancy

Mr. Rajarshi Banerjee

Administrative Officer (Projects)

ADVERTISEMENT NO. : IIT/SRIC/R/SPL/2026/109, DATED August 27,2026

Applications are invited on plain paper for the following assignment in a purely time bound research project undertaken in the Department of Mechanical Engineering of this institute for a period of one year from the date of joining with a provision of extension for a maximum period up to four years or termination of the project, whichever is earlier, based on performance.

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| 1. Name of the temporary assignment | : | 1) Project Engineer 1 post/s |
| 2. Name of the temporary research project | : | To develop an portable, low-field MRI system capable of delivering affordable point-of-care imaging in resource-limited and bedside settings
(Project Code – R/SPL) |
| 3. Name of the Sponsoring Agency | : | XIMAGING Inc., Delaware, USA |
| 4. Consolidated Compensation (per month) | : | 1) Rs. 56100 /-
(depending on qualification and experience) |
| 5. Qualifications & Experience : | | |
| 1) Rs. M.Tech. / M.E. (or equivalent) in Engg
OR
B.Tech. / B.E. degree with a minimum of 2 years of experience | | |
| 1. Candidates must have hands-on experience with state-of-the-art AI/ML techniques using open-source tools and MRI data formats, including ISMRMRD, HDF5, NIfTI, and DICOM, with exposure to multi-GPU and cloud-based training workflows. | | |
| 2. A comprehensive understanding and experience of signal processing, medical image processing, and MRI reconstruction is required spanning classical methods as well as cutting-edge deep learning architectures. | | |
| 3. Candidates must possess a clear understanding of MRI physics and principal pulse sequence. | | |
| 4. Prior experience with multi-channel receive coil arrays is essential, along with strong proficiency in k-space signal processing and MRI artefact characterisation. /- | | |

The qualifications and experience prescribed are the minimum and mere possession of the same does not entitle a candidate to be called for the interview.

(Rajarshi Banerjee)