



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

ADVERTISEMENT NO. : IIT/SRIC/R/SPL/2026/109, DATED 2026-08-24

Applications are invited through online for the following assignment in a purely time bound research project undertaken in the Department of Mechanical Engineering of this institute.

- Name of the temporary assignment : 1) Project Engineer, No. of post: 1.
- 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)
- Dept./Centre/School : 1) Mechanical Engineering
- PI/Co-PI : Prof./Dr. Suman Chakraborty
- Application fee(In Rs.) : General / Male / OBC: 0
, Female : 0, SC/ST: 0
- Last date of application : September 07, 2026
- Name of the Sponsoring Agency : XIMAGING Inc., Delaware, USA(86, Broadway, New Hyde Park, NY 11040 USA)
- Consolidated Compensation (per month) : 1) upto 56100
(depending on qualification and experience)
- Qualifications & Experience : 1)
Essential Qualification :
M.Tech. / M.E. (or equivalent) in Engg
OR
B.Tech. / B.E. degree with a minimum of 2 years of experience
- Desired 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 array is essential, along with strong proficiency in k-space signal processing and MRI artefact characterisation.
- Age Limit : 45 years. Age rules may be relaxed upon fulfilling sponsor agency rules if any.
- Tenure : 12 Months or the termination of the project, whichever is earlier.

Note:1. 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.
2. Age as on last date of advertisement.

Application fee shall be deposited in the following bank account through RTGS/NEFT/NET Banking etc. as under:
1).BANK NAME: STATE BANK OF INDIA(00202);2).BANK ADDRESS: P.O:KHARAGPUR TECHNOLOGY,DIST:MIDNAPORE;WEST BENGAL-721302;3).NAME OF BANK A/C: IIT SRIC-OM Account;4).ACCOUNT NO: 39502115210;5).IFSC CODE: SBIN0000202;6).SWIFT CODE: SBININBB339;
The transaction details(UTR No./Transaction ID etc.) should be mentioned in the Application Form.