



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

Administrative Officer/Senior Executive Officer

ADVERTISEMENT NO. : IIT/SRIC/R/SPL/2025/104, DATED DECEMBER 01, 2025

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 Manager, 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.) : 1) Not applicable
- Last date of application : December 14, 2025
- Name of the Sponsoring Agency : XIMAGING Inc., Delaware, USA(86, Broadway, New Hyde Park, NY 11040 USA)
- Consolidated Compensation (per month) : 1) upto 125000
(depending on qualification and experience)
- Qualifications & Experience : 1)
Essential Qualification :
Ph.D. in Electronics Engineering, Biomedical Engineering, Applied Physics, Electrical Engineering, or any relevant fields with the focus on medical imaging and analytics; 2 to 3 years postdoctoral experience on MR imaging, neuroimaging, and image processing; Publications in peer-reviewed SCI index journals/society conferences / workshops (e.g. ISMRM) are preferred
- Desired Experience :
1) Experience:
Hands-on human and phantom scanning using MRI scanner, knowledge on different sequences and MRI physics, image reconstruction, data unpacking, structural and diffusion MRI pre-processing and post-processing, subject volunteer recruitment, clinical questionnaire, and must be comfortable to work in a multidisciplinary team of basic scientists, engineers, and clinicians alongside of strong analytical and problem-solving ability
Imaging Skills: must have demonstrated hands-on experience in performing MRI scans on human subjects, including sequence setup and data acquisition
Computer Skills: Unix shell scripting, FSL, FreeSurfer, ANTs, ITK, MATLAB, and Python
- 2) Responsibilities:
Imaging pipeline development (reconstruction, pre-processing, and analysis), System architect, System integration, data management, data protection policy development, validation, team monitoring, collaboration, grant writing, and work with electronics team, pulse sequence and reconstruction teams in collaboration.
- Age Limit : 45
- 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.

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