



INDIAN INSTITUTE OF TECHNOLOGY

KHARAGPUR – 721 302, INDIA

Sponsored Research and Industrial Consultancy

Administrative Officer/Senior Executive Officer

ADVERTISEMENT NO. : IIT/SRIC/R/SPL/2026/107, DATED JANUARY 16, 2026

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 Scientist - Gradient Coil Design, 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: Not applicable , Female : 0, SC/ST: 0
Last date of application	: February 06, 2026
Name of the Sponsoring Agency	: XIMAGING Inc., Delaware, USA(86, Broadway, New Hyde Park, NY 11040 USA)
Consolidated Compensation (per month)	: 1) upto 107000 (depending on qualification and experience)
Qualifications & Experience	<p>: 1) Essential Qualification : Ph.D. / M.Tech in Applied Physics, Electrical Engineering, Mechanical Engineering, or Biomedical Engineering; Specialization in electromagnetics, electrical machines, or MRI instrumentation preferred; Publications in peer-reviewed SCI index journals/society conferences/workshops (e.g. ISMRM) are preferred</p> <p>Desired Experience : 1) Experience: Electromagnetic simulation, Gradient coil design, Thermal and mechanical design, Gradient amplifier interface, Testing, Calibration, Pulse sequence control, and aligning gradient pulses with RF and ADC timing, and must be comfortable to work in a multidisciplinary team of basic scientists, engineers, and clinicians alongside of strong analytical and problem-solving ability Computer Skills: SolidWorks, AutoCAD, ANSYS, COMSOL, LTspice, Multisim, Altium Designer, MATLAB, Python</p> <p>2) Responsibilities: Design and simulation of 3-axis gradient coil set, development of mechanical and cooling structures, Prototyping, testing, and characterizing gradient fields, eddy-current shielding, acoustic noise reduction, and work with electronics team, pulse sequence and reconstruction teams in collaboration.</p> <p>3) Scale in the range of 77000 to 107000 INR based on the experience</p>
	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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