INDIAN INSTITUTE OF TECHNOLOGY
KHARAGPUR – 721 302, INDIA

Sponsored Research and Industrial Consultancy

Mr. Rajarshi Banerjee
Administrative Officer (Projects)

ADVERTISEMENT NO. : IIT/SRIC/R/AUB/2026/101, DATED October 01,2026

Applications are invited on plain paper for the following assignment in a purely time bound research project undertaken in the Department of Metallurgical and Materials 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.

1. Name of the temporary assignment	:	1) Junior Research Fellow (JRF) 1 post/s
2. Name of the temporary research project	:	Developing an inexpensive low-carbon micro-alloyed dual-phase steel as a unique and singular steel for the entire car body (Project Code – R/AUB)
3. Name of the Sponsoring Agency	:	Department of Science and Technology (DST)
4. Consolidated Compensation (per month)	:	1) Rs. 37000 /- (depending on qualification and experience)

5. Qualifications & Experience :

1) Rs. Post Graduate Degree in Basic Science OR Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following:
a. Scholars who are selected through NationalEligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.
b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.
Junior Research Fellow (JRF) under a DST-funded research project
Applications are invited from motivated, enthusiastic, and bright Indian nationals for the following assignment in a purely time bound DST (Govt. of India) sponsored research project titled Developing an inexpensive low-carbon micro-alloyed dual-phase steel as a unique and singular structural steel for the entire car body at the Light Metals and Alloys (LMA) research group in Department of Metallurgical and Materials Engineering, IIT Kharagpur. The position is initially available for one year and will be extended to a second year based on the candidates performance. Upon successful completion of two years, the JRF will be converted to an SRF in the 3rd year, with a salary of Rs. 42,000 + 10% HRA per month.
Position: One (01 no.)
Qualification:
ME/M.Tech/MS or equivalent degree in Metallurgical, Mechanical, Materials Engineering (GATE qualification is not mandatory).
Or
BE/B.Tech/BS or equivalent 4-year degree in Metallurgical, Mechanical, Materials Engineering with GATE score. Degree from IITs, CFTIs, Institutes whose current overall NIRF ≤ 25, with at least 8.0 CGPA GATE qualification not mandatory.
A minimum of 60% marks or a CGPA of 6.5 on a 10-point scale in the qualifying exam.
Job description: The project involves carrying out exciting, innovative, cutting-edge research on advanced thermomechanical treatments, resistance spot welding (RSW), and friction stir welding (FSW) of low-carbon micro-alloyed dual-phase steel. Characterization such as XRD, XRD texture goniometer, FESEM, EBSD, TEM, APT, etc. Mechanical property determination via tensile, fatigue, fracture toughness, FCGR, impact toughness, etc. The candidate is expected to join PhD in the project mode. All facilities are available in the lab, department, and institute. The scientific aspect of this project is to establish the processingmicrostructuretextureproperty relationships. For details about the LMA lab, please visit: https://sites.google.com/site/somjeetbiswas. For information, email at somjeetbiswas@metal.iitkgp.ac.in.
Fellowship: Rs. 37,000 +10% HRA per month (As per DST norms)
How to apply: Interested candidates may send their latest Curriculum vitae, along with scanned copies of certificates/documents/degrees, to somjeetbiswas@metal.iitkgp.ac.in as a single PDF document with the subject Application JRF DST/SB/2026 on or before 09/10/2026.
Candidate may please note the following:
1. Shortlisted candidate(s) would be informed of the date and time of the interview via email, well in advance, which is likely to take place online in the third or fourth week of Oct 2026. No separate letter will be issued for the interview.
2. Candidates will be shortlisted for the interview based on merit.
3. The selected candidate can be considered for the PhD program after fulfilling the required criteria as per IIT Kharagpur rules.
4. A call for the interview is not a guarantee of selection.
5. No communications will be entertained for being called/not- called and/or selected/not selected for the advertised position.
For any other information/clarifications related to the research project, the applicants may contact the Principal Investigator at somjeetbiswas@metal.iitkgp.ac.in /-

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)