



VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY
Department of Metallurgical and Materials Engineering
South Ambazari Road-440010, Maharashtra

Requirement of JRF in the Department of Metallurgical and Materials Engineering

Applications are invited from motivated and eligible candidates for the post of Junior Research fellow (JRF) to work on Ministry of Mines (MoM) funded research project.

Title of the project	<i>Design and development of Al alloy anode material and a prototype Aluminium-Air battery</i>
Scope of Project	The project involves design and development of Al-air battery which involves designing of new Al alloy for battery anode application, design of cathode and overall, a working battery prototype. The candidate is desired to have good knowledge about Al alloy development, electrode and electrolyte materials for batteries, battery working, battery material characterization, electrical characterization etc. For more information, candidates can write email to Dr. Amrut V. Agasti at amrutagasti@mme.vnit.ac.in
Position	Junior Research Fellow (JRF)
No. of posts	01
Duration	The post is purely temporary in nature. Initial appointment is for the period of one year, which can be extended up to 02 years solely based on satisfactory performance.
Essential qualification	Full time B.E/B.Tech. in Metallurgy/Mechanical/Chemical or equivalent or M.Sc. Physics/Chemistry from recognized universities/institutes with a minimum of first class and a good academic record. Candidates with GATE/NET qualification will be preferred.
Desired qualification	Overall good academic record, sound experimental and analytical skills.
Ph.D. Opportunity	The selected JRF candidate will have the opportunity to register for a regular Ph.D. program provided the candidate satisfies the eligibility criterion for the Ph.D. program in Department of Metallurgical and Materials Engineering (https://vnit.ac.in/section/academics/admission/).
Fellowship	Rs. 37,000/- per month (consolidated)
Mode of application	Interested candidates are requested to apply in the prescribed format (available online on institute website www.vnit.ac.in) by 25th September 2025 . The duly filled application form along with all the enclosures (detailed curriculum vitae, degree certificates, GATE/NET scorecard (if available) and other relevant documents) must be sent as a single pdf file to the principal investigator at following email address: amrutagasti@mme.vnit.ac.in . Please mention “ Application for the Post of JRF (MoM project) in the Department of Metallurgical and Materials Engineering ” in the subject line of email. Provide complete information about all essential eligibility conditions. Incomplete applications will be rejected.
Contact	Dr. Amrut V. Agasti Department of Metallurgical and Materials Engineering, Visvesvaraya National Institute of Technology, South Ambazari Road, Nagpur-440010. Email: amrutagasti@mme.vnit.ac.in Phone: 0712-280-2296
Important notes	Only short-listed candidates will be intimated by email and will have to appear for a written test and/or interview on the date as communicated through email. No TA/DA will be paid for appearing in the written test/interview. The decision of the Director, VNIT Nagpur will be final in all respect.

Dr. Amrut V. Agasti (PI)

Head (MME)

Dean (R&C)