



Indian Institute of Technology Indore

Khandwa Road, Simrol, 453552.

Office Ph: +917316603516

भारतीय प्रौद्योगिकी संस्थान इन्दौर
सिमरोल, इन्दौर 453 552, भारत

IIT Indore

Advertisement for Recruitment of Junior Research Fellow (JRF)

Advt. No: MEMS/Dec 2025/JP-1

Date: 12/12/2025

Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a research project as per the following details.

Position	Junior Research Fellow (JRF) (Under SERB-CRG, Project No. <u>CRG/2023/007724</u>)
Number of Vacancy	01
Project Title	High Temperature fretting fatigue behavior of ferritic -martensitic steel (Studies on fatigue, fretting fatigue and fracture behavior of advanced materials under high temperature and room temperature))
Department	Metallurgical Engineering and Materials Science
Fellowship duration	1 Year (The selected candidate will be encouraged to register for the Ph.D. program at IIT Indore as per institute norms) If selected for PhD program, fellowship will be extended for PhD duration as per institute norms.
Job Description	To investigate fatigue, fretting fatigue and fracture behavior of advanced materials for nuclear and defense application. The studies to be carried out both at room temperature and high temperature of these advanced materials. The project involves both experimental study and numerical analysis. The project provides learning opportunities in the areas of alloy development for high temperature applications, mechanical testing, fatigue, fretting fatigue. and fracture mechanics, materials characterization, numerical analysis etc.
Essential Qualification	Master's degree in mechanical / metallurgy / materials / production/ manufacturing engineering/ material science engineering / industrial engineering/ welding engineering / relevant branch of Engineering or Science. (or) B.Tech degree in mechanical / metallurgy / materials / production/ manufacturing engineering/ material science engineering / industrial engineering with valid GATE score. GATE qualified candidates will be preferred.
Fellowship	Junior Research Fellowship (JRF): Rs. 37,000/- p.m. (First & Second years) Plus HRA will provided as per institute norms.

Interested candidates are requested to submit a detailed softcopy of their CV with all relevant Essential Qualification Degree Certificates, Marks Sheets, GATE qualifying certificate, class X and XII marksheet in a single pdf file to jayaprakash@iiti.ac.in by **28 Dec, 2025**. Tentative Date of Interview: **Last week of December.**

Only shortlisted candidates will be called for interview. Selected candidates will be intimated by email.

No TA/DA will be paid for appearing in the interview.

Address for Correspondence:

Dr. Jayaprakash Murugesan (email: jayaprakash@iiti.ac.in)

Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Indore ,
Indore (MP).Ph: 9755611891