



Indian Institute of Technology Indore

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भारतीय प्रौद्योगिकी संस्थान इन्दौर
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IIT Indore

Advertisement for Recruitment of Junior Research Fellow (JRF)

Advt. No: MEMS/2024

Date: 09/05/2024

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	3 years (initially 1 year, upon performance the fellowship will be extended until the completion of the project) (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 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. GATE qualified candidates will be preferred.
Age Limit	As per the PhD recruitment age limit at IIT Indore.
Fellowship	Junior Research Fellowship (JRF): Rs. 37,000/- p.m. (First & Second years) Rs. 42000/- p.m. (3 rd year upon upgradation) 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 **20 May, 2024**. Tentative Date of Interview: **last week of May 2024**.

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:

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