



Indian Institute of Technology Indore

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भारतीय प्रौद्योगिकी संस्थान इन्दौर
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IIT Indore

Advertisement for recruitment of JRF

October 08, 2026

Applications are invited from interested and motivated candidates for the position of **Junior Research Fellow (JRF)** in a research project funded by the **Anusandhan National Research Foundation (ANRF)** under the **Advanced Research Grant (ARG)** scheme.

Project Title	Computational Exploration and Design of BCC + B2 Superalloys
Principal Investigator	Dr. Venkata Vamsi Koruprolu, MEMS, IIT Indore
Position Details	Position: Junior Research Fellow (JRF) Number of Posts: 01 Duration: Initially for one year; extendable based on performance and project tenure Fellowship: ₹37,000 per month + HRA Accommodation: Institute hostel may be provided subject to availability; otherwise HRA will be applicable Age Limit: Maximum 28 years
Project Description	High-temperature alloys require good phase stability and mechanical performance. This project combines computational and experimental approaches to understand and improve BCC+B2 alloys. CALPHAD and DFT will be used to study phase stability, defects, and deformation, while experiments will validate the computational findings and support the development of advanced high-temperature alloys.
Eligibility Criteria	<u>a) Essential Qualifications</u> M.Tech./ M.E./ M.S. or equivalent degree in Metallurgical Engineering/ Materials Science and Engineering /Metallurgical and Materials Engineering/ Mechanical Engineering/ Manufacturing/ Production Engineering. Candidates having MTech/ME/MS degrees should have previously qualified GATE once. OR M.Sc. in Materials Science, Physics, Nanoscience and Technology. Candidates having M.Sc. Degree should have a valid GATE qualification OR UGC/CSIR-JRF qualification OR Equivalent Fellowship. OR B.Tech./ B.E. or equivalent degree in Metallurgical Engineering/ Materials Science and Engineering /Metallurgical and Materials Engineering/ Mechanical Engineering/ Manufacturing/ Production Engineering/Engineering Physics. Candidates having B.Tech./B.E. degree should have a valid GATE score. <u>b) Desirable Qualifications</u> - Strong background in physical metallurgy, thermodynamics, and mechanical behavior - Experience with microstructural characterization, mechanical testing - Understanding of microstructure-property relationships and strengthening mechanisms - Familiarity with Python-based scientific computing and data analysis Important Note on PhD Opportunity Preference will be given to candidates interested in pursuing a PhD at IIT Indore, with demonstrated research interest and motivation for doctoral studies.
Application Process	- Interested candidates should email a single PDF file to: kvvamsi@iiti.ac.in - Subject line: <i>Application for the position of JRF (ANRF-ARG project)</i> Deadline: October 28th, 2026
Essential documents	- Curriculum Vitae - Statement of Purpose - Self-attested copies of educational certificates - GATE scorecard - List of publications (if any)
Selection Process & Additional Information	- Candidates will be shortlisted based on merit and project requirements - Shortlisted candidates will be informed via email about the interview - The interview will be conducted online (meeting link will be shared only with shortlisted candidates) - The position is purely temporary and co-terminus with the project



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	• Mere possession of minimum qualifications does not guarantee an interview call
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