



# Indian Institute of Technology Indore

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भारतीय प्रौद्योगिकी संस्थान इन्दौर  
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IIT Indore

## Advertisement for the post of JRF under DRDO Research Project

Advt. No: TR/0569/CARS/VK/2023/01

Date: 27/09/2023

Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) in a time bound research project for a temporary period, purely on contractual basis as per the following details:	
Position	Junior Research Fellow (JRF) (Under DRDO Project )
Number of Vacancy	01
Project Title	Development of simulation of Model for Blast Resistant Honeycomb sandwich structure
Project Investigators	Prof. Vinod Kumar, Co-PI; MEMS, IIT Indore Prof. Indrasen Singh, PI; ME, IIT Indore
Department	Metallurgical Engineering and Materials Science
Project Tenure	1.5 years and/or co-terminus with the project (The selected candidate will be encouraged to register for the Ph.D. program at IIT Indore as per institute norms).
Job Description	Candidate needs to design and develop ceramic based composites using spark plasma sintering (SPS) process followed materials characterization utilizing X-ray diffraction, SEM-EBSD and TEM techniques. Candidate needs to investigate the mechanical behavior including wear study of developed materials.
Essential Qualification	M. Tech. / ME/ M.Sc. in Metallurgical and Materials Engineering Physics/ Chemistry / Mechanical Engineering/ Materials Engineering/ Nanotechnology/ Ceramic Engineering/ Production Engineering/ Manufacturing Engineering or equivalent (with first division as defined by the awarding Institute / University). The candidate should be passed NET-LS/GATE test (Pl. refer to CSIR- HRDG website: <a href="http://www.csirhrdg.res.in">www.csirhrdg.res.in</a> for NET-LS).
Age Limit	JRF-28Yrs
Age relaxation	The upper age limit is relaxable up to 5 years in the case of candidates belonging to scheduled castes/tribes/OBC, women and physically handicapped candidates.
Fellowship	Junior Research Fellowship (JRF): Rs. 31,000/- p.m + HRA

**Desirable:** Candidates having the basic knowledge on Mechanical Engineering/ Metallurgy, and Materials Science & Engineering will be preferred.

Interested candidates are requested to submit a detailed softcopy of their CV with all relevant Essential Qualification Degree Certificates, Marks Sheets, NET-LS/GATE qualifying certificates, Date of Birth Certificate and Category Certificates (if applicable) in a single pdf file to the Co-Principal Investigator, Dr. Vinod Kumar, Associate Professor, Metallurgical Engineering and Materials Science, Indian Institute of Technology Indore, via [email: vkt@iiti.ac.in](mailto:vkt@iiti.ac.in) by **October 23, 2023**.

Tentative Date of Interview: October 25, 2023

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.**