



Advt. No.: IITJMU/R&C/RP00237/A-16

Dated: 15/02/2024

Advertisement for the Position of JRF

Applications are invited from interested Indian candidates for the post of **Junior Research Fellow (JRF)** to work on the project titled “**Freeform finishing of metal additive manufactured parts for aeroengine applications**” sanctioned by, DIA-COE, IIT Bombay, India.

No. of Positions	Position	Area of Specialization	Duration	Consolidated Salary per Month	Number of Positions
1	Junior Research Fellow	Knowledge and understanding of laser powder bed fusion based metal Additive Manufacturing and material testing, corrosion testing	03 year	Rs. 37000/- (Per month (consolidated) + HRA – 18%) for 1 st & 2 nd years Rs. 42000/- (Per month (consolidated) + HRA – 18%) for 3 rd year	01

***Minimum Qualification:**

- Essential Qualification:
 - M.E/M. Tech/M.S (by research)/ Integrated PG degree (Mechanical/Manufacturing/Design/Production) or equivalent with first class marks in aggregate from a recognized technical institute/university as a full-time program.
 - PhD/Integrated PhD degree (Mechanical/Manufacturing/Design/Production) with at least first/second class and above in Masters and PhD from a recognized technical institute/university as a full-time program.

Preference may be given to a candidate having appropriate knowledge of laser powder bed fusion based metal Additive Manufacturing

- Desired Qualification:
 - Knowledge of laser powder bed fusion-based metal Additive Manufacturing technology mainly on materials material testing, corrosion testing and manufacturing and prior experience of documentation and reports along with FEM simulation, data analysis software tools is desirable.
 - GATE / NET Qualified
- Upper age limit: 30 years (relaxation will be as per GOI norms)

Brief Objective of Project:

To conduct research on Advanced metal material system using laser powder bed fusion (LPBF) technology. Further, the LPBF processed sample's microstructural, corrosion studies and mechanical property evaluation are planned. Further, structure-property correlation on LPBF processed nickel based material system are key goals of the project.

Job Description:

The selected candidate is expected to work on the LPBF technology, process optimisation, microstructural and mechanical property evaluation, co-ordination with vendors etc.

Application Process:

Duly filled application form along with the requested details, scanned copies of certificates, other supporting documents, should be uploaded through the online portal (<https://apply.iitjammu.ac.in/#/home>) latest by 25th Feb, 2024. Please apply through the [contract/project staff/JRF/SRF] tab on the referred application portal. Candidates who are already employed should produce a relieving certificate from their employers, if selected. The interview will be conducted for all shortlisted candidates.

Attention:

1. The applicant will be responsible for the authenticity of the information, other documents, and photographs submitted.
2. Merely possessing the prescribed qualification does not ensure that the candidate would be called for an Interview. The candidates may be shortlisted based on merit and need for the project.
3. Shortlisted candidates will be informed by e-mail about the interview. So, the candidate must provide valid e-mail IDs, phone number information in their applications.
4. Shortlisted candidates must present themselves for the interview on the interview date with an updated CV and original and attested photocopies of mark sheets/certificates in support of their academic qualifications. Only shortlisted candidates will be called for the interview. The time of the interview will be informed to the shortlisted candidates by e-mail. The interview will be held by using the online platform.

5. Candidates who are already employed should produce a relieving certificate from their employers, if selected.
6. The last date for receiving the duly filled in application is 25th Feb, 2024, through an online portal.
7. The date of interview will be informed to the shortlisted candidates through email.
8. The selected JRF may get an opportunity to pursue PhD at IIT Jammu as per institute norms subject to their performance evaluation and suitability for PhD program.

Address for Correspondence:

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