



NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(Institute of National Importance)

G.E. Road, Raipur (C.G) 492010, India

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Website: www.nitrr.ac.in

Recruitment for JRF Position in DST-SERB (CRG) Funded Research Project

Applications are invited from interested and eligible candidates for a Junior Research Fellow (JRF) position in a Science and Engineering Research Board (SERB) funded research project in the department of Metallurgical and Materials Engineering, NIT Raipur. The details about this JRF position are as follows:

Project title: *Development of high throughput digital metallography tool for analysis of steel microstructure using artificial intelligence (AI), (File no. CRG/2021/005256).*

Duration: Initial appointment is for one year, which is extendable up to 3 years based on performance. Selected candidate may be considered for admission to Ph.D. programme as per the provision in PhD program of the Institute.

Role of JRF: Selected JRF will be participating in microstructure image data generation/collection, preparation of AI based models, development of platform for high throughput digital metallography tool or any other work related to the concern project.

Funding Agency: Science & Engineering Research Board (SERB), DST, Govt. of India, New Delhi-110070

Emolument: (Rs. 31,000 + HRA) per month for 1st and 2nd year and (Rs. 35,000 + HRA) per month for the 3rd year.

Eligibility: M.E/ M. Tech/ M.S in Metallurgical/Materials Science/Metallurgical & Materials Engineering/ Mechanical Engineering/ Production Engineering/Computer science and Engineering/ MCA with valid CSIR-UGC NET including LS / GATE / JEST / JGEEBILS / ICMR JRF Entrance examination / ICAR-AICE qualification /DST/DBT/ DAE/DRDO /DOS/MHRD qualifying examination. Exposer to computer programming/machine learning/data science/image processing/steel microstructure engineering will be treated as added advantage(s). The selected candidate can also Join the PhD program of the instate through the standard admission procedure of the NIT Raipur.

Desirable: Prior knowledge of working with steel microstructure/Machine learning application in materials/metallurgical solving will be preferred.

Interview Date: The selection of the JRF will made through **offline interview on April 28, 2022**. You are requested to visit the Institute website for update, if any.

Highly motivated candidates are encouraged to submit their applications in the prescribed format along with the necessary documents (self-attested) in support of their educational qualification and other credentials including a latest CV to **Dr. Subhas Ganguly**, Department of Metallurgical and Materials Engineering, National Institute of Technology Raipur, via E-mail: sganguly.mme@nitrr.ac.in . Please mentioned in the subject line of your email as "Application for JRF in CRG-SERB Project". Application submission deadline is **April 24, 2022 (till 11.59pm)**. Incomplete applications and/or without supporting documents or application received after the due date will be rejected.



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Other terms and Conditions:

1. The above position is purely temporary, and continuation of the fellowship is subject to satisfactory performance and review after each year.
2. Candidates are required to appear for the interview with photocopy of the application form, two passport size photos, curriculum vitae, testimonials, and all relevant original certificates with a one set of self-attested photocopies of the certificates.
3. No TA/DA is permissible for appearing for interview.
4. Selected candidates will not be permitted to claim for any regular/part time appointments in this institute or any other institutes during this period.
5. Canvassing in any form will disqualify the candidature and the appointment shall be co-terminus with the project.

For any further information contact:

Dr. Subhas Ganguly, PI

Assistant Professor,

Department of Metallurgical and Materials Engineering,

NIT Raipur, Raipur (CG) 492010, India.

E-Mail: sganguly.mme@nitrr.ac.in

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Application format: Please refer Page 3



DEPARTMENT OF METALLURGICAL & MATERIALS ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

Raipur (CG) 492010, India
Phone: 0771-2254200, Fax : 0771 – 2254600

Application format for Junior Research Fellow (JRF)

(For the CRG-SERB, DST project title *Development of high throughput digital metallography tool for analysis steel microstructure using artificial intelligence (AI)*, File No. **CRG/2021/005256**)

1. Name:

2. Contact details:

(Address, Mobile & WhatsApp No., E-mail ID)

Recent
Passport size
Photograph

3. Date of Birth :

4. Nationality :

5. Sex :

6. All relevant qualifications (10th standard onward):

Degree and Specialization	Board/University/Institute	Year of Completion	% of marks/ Division

7. Complete information of qualifying examination for masters:

(NET/GATE/ Equivalent Exam, score, year of passing and validity, discipline, marks, all India Rank etc, if any)

8. Publications/conference participation (National/International):

9. Research experience apart from M. Tech /M. E/M.S Thesis, if any:

10. Any other relevant Information:

11. Time needed to join if selected:

Signature of Applicant

Date :

Place :