

SRIC/06
Dated. 10/12/21

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
DEPT. OF METALLURGICAL AND MATERIALS ENGINEERING

SRIC/06

Dated: 10/02/2021

ADVERTISEMENT TO FILL UP PROJECT POSITION

Applications are invited from Indian nationals only for project position as per the details given below for the research project under the Principal investigator (Name: Dr. Vikram Dabhade), Dept.: Metallurgical and Materials Engg., Indian Institute of Technology Roorkee, Roorkee-247667, Uttarakhand.

1. Title of project: Effect of titanium and zirconium addition on the nano-cluster formation and creep properties of ferritic oxide dispersion strengthened (ODS) steel processed by powder forging
2. Sponsor of the project: Science and Engineering Research Board (SERB)
3. Project position(s) and number: Junior Research Fellow (JRF), one.
4. Qualifications: M.Tech / M.E (Metallurgical Engg. / Materials Engg. / Materials Science) with GATE / NET
Emoluments: Rs.31,000/month +HRA (8%) first two years and Rs.35,000/month +HRA (8%) for the third year.
5. Duration: Three years

Job description: The project deals with the development of oxide dispersion strengthened (ODS) ferritic steels with nano-cluster dispersoids derived from Ti, Zr and Y_2O_3 for nuclear applications. The material will be processed by mechanical alloying followed by powder forging (powder metallurgy route). This will be followed by nano-cluster characterization and determination of mechanical properties especially the creep properties.

6. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
7. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, by post or produce at the time of Interview:
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
8. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
9. Preference will be given to SC/ST candidates on equal qualifications and experience.
10. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may get an opportunity for PhD admission.

The last date for application to be submitted to office of Principal Investigator is 08/03/21 by 5 PM.

Tel: 8057750743

Fax: +91-1332-285243

(Dr. Vikram Dabhade)

Name and signature of Principal Investigator

Email: vikram.dabhade@mt.iitr.ac.in

vvdabhade@gmail.com

*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

Approved

Manish

Principal Investigator (SRIC/06)

S.G.
11/2/21

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