

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
Mechanical and Industrial Engineering

Dated: 28/12/2021

**ADVERTISEMENT TO FILL UP PROJECT POSITIONS\***

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: Shailesh Ganpule), Dept./Centre Mechanical and Industrial Engineering Indian Institute of Technology, Roorkee.

1. Title of project: Impact Biomechanics of Human Head
2. Sponsor of the project: TBRL, DRDO, Chandigarh
3. Project position(s) and number: Junior Research Fellow (02 No.)
4. Qualifications:
  - (a) MTech or equivalent degree in Mechanical Engineering or Applied Mechanics.  
M.Tech. degree in Aerospace or Civil or other engineering disciplines may be considered for research areas consistent with the academic and project background.
  - (b) Candidate should be GATE qualified
5. Emoluments: Rs. 31,000/- per month + HRA (admissible if staying outside of IIT Roorkee campus)
6. Duration: 1 year and extendable upto the duration of the project
7. Job description:
  - Project involves work in the area of computational mechanics. Following skills are desired:
    - (a) Proficiency in FEA softwares such as LS-Dyna or Abaqus.
    - (b) Strong background in blast or ballistic or impact mechanics and computational modeling.
    - (c) Strong background in constitutive modeling and/or damage modeling.
    - (d) Good writing, communication, and managerial skills

JRF will be mentored by Prof. Shailesh Ganpule, IIT Roorkee.

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email:
  - Application with a detailed CV including chronological discipline of degree/certificates obtained.
  - Experience including research, industrial and others.
  - Names and contact details of three references including email and phone number
3. Preference will be given to SC/ST candidates on equal qualifications and experience.
4. Please note that no TA/DA is admissible for attending the interview.

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

The last date for application to be submitted to office of Principal Investigator via email is 15/01/2022 by 11:59 PM.

Tel: 01332-28-4885  
Email: [ganpule@me.iitr.ac.in](mailto:ganpule@me.iitr.ac.in)

Name and signature of Principal Investigator

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

Approved  
Manish  
28/12/2021  
In Kulkarni  
28/12/2021