

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
Mechanical and Industrial Engineering

Dated: 24/12/2021

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: Aerodynamic design of ballistic helmet for blast attenuation
 2. Sponsor of the project: Ordinance Clothing Factory, AVADI, Chennai
 3. Project position(s) and number: Project Fellow (01 No.). Position will be converted to 'Research or Project Associate' if suitable candidate for Project Fellow is not found.
 4. Qualifications:
 - For Project Fellow:*
 - (a) PhD in Mechanical Engineering or Applied Mechanics or equivalent + 2 year's experience after PhD
 - (b) MTech or equivalent degree in Mechanical Engineering or Applied Mechanics + 3 years' experience
 - (c) BTech or equivalent degree in Mechanical Engineering or Applied Mechanics + 6 years' experienceDegrees in Aerospace or Civil or other engineering disciplines may be considered for research areas consistent with the academic and project background.
 - For Research or Project Associate:*
 - (a) PhD in Mechanical Engineering or Applied Mechanics or equivalent
 - (b) MTech or equivalent degree in Mechanical Engineering or Applied Mechanics
 - (c) BTech or equivalent degree in Mechanical Engineering or Applied MechanicsDegrees in Aerospace or Civil or other engineering disciplines may be considered for research areas consistent with the academic and project background.
 5. Emoluments: commensurate with the experience + HRA;
 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 skillsFellow 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.

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

Name and signature of Principal Investigator

Email: gampule@me.iitr.ac.in

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

Approved

Mamish

24 Dec 2021

प्रधान (सि.सि.)/Dean (R&D)

Susham

24/12/2021

