

Office of the Dean Research and Consultancy
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103

Project on: "Thermal decomposition and combustion studies of prilled and coated ammonium nitrate (AN) and potassium dinitramide (KDN) based novel green oxidizers and propellants for future space and defense applications"

[Sponsoring Authority: DST-SERB, Govt. of India]

Department of Aerospace Engineering and Applied Mechanics,
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103

Ref: Advt. No. AM 1771, dated 26.07.2022

[University Project Code: SERB-DST/AE&AM/PK/015/21-22]

Interested candidates are requested to apply for the following post in the Department of Aerospace and Applied Mechanics, Indian Institute of Engineering Science & Technology (IEST), Shibpur, Howrah-711 103.

Junior research fellow: No of post – 1 (One)

Essential Qualifications:

M.E./M.Tech. in Aerospace/Mechanical/Chemical Engg. OR B.E./B.Tech. in Aerospace/Mechanical/Chemical Engg. alongwith valid GATE score OR M.Sc. in Chemistry with M Tech in Chemical Engineering with valid NET or GATE score.

Desirable Qualifications:

- Theoretical and experimental knowledge on fundamentals of droplets, spraying, and coating techniques.
- Software skills: Ansys Fluent, or C/C++/ Python/MATLAB
- Hands-on expertise in nitration reactions, and basic understanding of different chemical reactions.

Fellowship: Rs. 31000 + 24%HRA per month

Age Limit: Maximum 32 Years (Upper age limit is relaxable upto 5 Yrs for SC/ST/OBC/Woman and Physically Handicapped Candidates).

Duration: 24 Months.

Interested and eligible candidates should mail soft copies of the application letter in plain paper, recent bio-data, mark sheets and certificates. All documents should be self-attested. Physical documents will be verified at the time of joining. The selection will be canceled if any discrepancies are found in the documents at the time of physical verification.

Venue and Date of the interview: Online. Information about the date and the link of the interview will be sent to the eligible candidates only by e-mail.

Note:

1. Soft copies of the application letter, bio-data, should be sent through e-mail in advance **within 21 days** from the date of publication of the advertisement to: Prof. Pratim Kumar (PI of project) E-mail id: pkumar.aero@faculty.iests.ac.in and pkumar@aero.iests.ac.in
2. Email subject should be "APPLICATION FOR JRF (CRG), DST-SERB 2022" in caps failing to which the application may not be considered.
3. All applications must mention a valid e-mail id and phone number for communicating the date of interview.
4. Further instructions will be sent through email after receipt of biodata.
5. Interview dates of shortlisted candidates will be notified by email/mobile/institute website.

Dean (R & C)