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**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE**  
(Name of Dept./Centre: Mech and Indl. Engg.)

Dated: 27.08.2024

**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: Prof. K.B. Mishra), Dept./Centre Mechanical and Industrial Engineering Indian Institute of Technology, Roorkee.

**Title of project:** (1) Model experiments to measure the spread of forest fires in realistic configuration (SER-1811-MID)  
(2) Optimization of fire detectors layout in aero engines (DRD-2329-MID)

**Sponsor of the project:** SERB and DRDO New Delhi

**Project position(s) and number:** 1. One Research Associate (RA) 2) Two Senior Research Fellow (SRF)

**Qualifications:**

**For Research Associate:** PhD/M.Tech/M.S/M.E in Mechanical/Aerospace/Chemical/Fire Engineering/Automobile or all branches OR

**For Senior Research Fellow:** B-Tech/ M.Tech/M.S/M.E/B.E in Mechanical, Aerospace, Chemical, Fire Engineering, Chemical Production/ Production and Industrial, Petroleum, Automobile, Materials Science, Engineering Physics, Agricultural, Environmental, Robotics, Metallurgical, Mining or allied branches + GATE Score

OR

MSc. in Computer Science, Physics, Chemistry, Mathematics, Statistics, Agriculture or allied disciplines  
+ GATE/NET Score with some research experience or MSc from IITs/IISc/IISER/IITs/reputed universities.

**Emoluments:** Rs. 61,000 PM for RA and Rs. 35,000 PM for SRF

**Duration:** One year

**Job description:** To carry out research and development work

Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.

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.

Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification. Preference will be given to SC/ST candidates on equal qualifications and experience.

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 ....NA... by 5 PM.

(not applicable for walk in interview)

The interview will be held at on 18<sup>th</sup> of Sept. 2024 at 3.30 PM in Room No. 134 of Mech. And Indl. Engg. Dept (East Block) (to be given only for walk in interview)

Tel: 01332284857

Email: [kirti.mishra@me.iitr.ac.in](mailto:kirti.mishra@me.iitr.ac.in)

Prof. K.B Mishra

Name and signature  
of Principal Investigator

*(K.B. Mishra)*  
24/08/24

Approved

*Abshay*  
24/8/24

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भा. प्रौ. सं. रुड़की/IIT Roorkee

*Done*  
27/08/24

*Kirti Mishra*