



यांत्रिकी एवं औद्योगिकी अभियांत्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान रूड़की, रूड़की -247667
Mechanical & Industrial Engineering Department
Indian Institute of Technology Roorkee, Roorkee -247667

Advt. No. IITR/MIED/PDF/2025-26/1887

Dated: Sept 22, 2025

ADVERTISEMENT FOR POST DOCTORAL FELLOWSHIP POSITION

The Department of Mechanical and Industrial Engineering at the Indian Institute of Technology Roorkee invites applications from outstanding and enthusiastic researchers for a postdoctoral position under the mentorship of Prof. Anil Kumar focused on "Visco-Hyperelastic Lattice Structures for Tunable Shock Isolation for Underwater Blast Loading: Experimental and Simulation Approach".

Last date for the submission of application is October 07, 2025. Applications received after this date will not be considered.

Minimum qualification and experience:

Essential academic qualifications:

- Ph.D. in Mechanical Engineering, or a closely related discipline.
- The Ph.D. must be submitted/viva completed/awarded at the time of application.
- The Ph.D. must be awarded at the time of joining.

Technical background:

- Experience in material testing and experimental work, test data analysis.
- Proficient in FE software, FE modelling and simulation, static and dynamic analysis, linear and non-linear material modelling.
- Familiar with AI-ML.

Duration and fellowship amount:

The duration of the fellowship will be 2 years. The Fellowship may be terminated by either side by giving one-month notice. A consolidated fellowship of Rs. 80,000.00 per month for two years and a contingency of Rs. 50,000.00 per annum will be awarded to Post-Doctoral Fellows.

How to apply?

- The application should include:
 1. A cover letter, specifying the Advertisement Number, the date and the title of the position the candidate is applying for,
 2. A detailed curriculum vita,
 3. Two reference letters,
 4. A list of publications (with the most relevant ones for the position clearly highlighted)
 5. A research statement outlining previous work and future research plans aligned with the advertised focus area.



- All these documents must be compiled into a single PDF file and **submitted via email to:** anil.kumar@me.iitr.ac.in
- The subject line of the email should be: **Application for the post of Institute PDF**

Notes:

1. Post-doctoral Fellows will be registered as students and may avail facilities of library, computer center, available hospital facilities, etc. They will be entitled to 2.5 days of leave per completed calendar month. No carry forward for leave will be allowed beyond a calendar year. PDF positions are purely temporary.
2. The screened candidates will be called for interview.

About the Department:

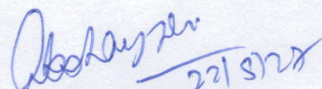
The Department of Mechanical Engineering came into being in the year 1946 and the first batch of Mechanical Engineers graduated in the year 1949. The department was renamed as Department of Mechanical & Industrial Engineering on its silver jubilee in 1974 when an undergraduate programme in Industrial Engineering was started. At present it offers both undergraduate and postgraduate courses in various facets of Mechanical and Industrial Engineering. The department offers Master of Technology courses in Machine Design Engineering, Production and Industrial Systems Engineering, Thermal System Engineering, Welding Engineering and CAD, CAM and Robotics. The department has laboratory and workshop facilities with modern sophisticated equipment to carry out research in all areas related to Mechanical and Production & Industrial Engineering. The faculty actively participates in sponsored research and consultancy work.

(For more details, please visit: <https://me.iitr.ac.in/>)

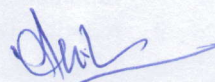
About the Institute:

IIT Roorkee has its roots in the Roorkee College, which was set up in 1847. It was renamed as the Thomason College of Civil Engineering in 1854. The College laid the foundation of modern engineering education and the use of Civil Engineering practices in the infrastructure development of the country. The irrigation infrastructure in the form of dams and canals, roads and highways, railway, bridges, etc. in the country, all have been the outcome of the engineering education imparted in this, the only engineering institution in the country, at that point of time. It got elevated as the first technical University of the country in 1948 through the University of Roorkee Act, 1947 passed by the United Provinces Legislature. University of Roorkee also became the first institution in the country to offer postgraduate programs engineering and technology in 1955. On September 21, 2001, the University was converted into an IIT by the Government of India through an Act of Parliament and recognized as an Institution of National importance. Roorkee is the entry point of Uttarakhand state. It is on the way to Haridwar from Delhi.

(For more details, please visit: <https://www.iitr.ac.in/>.)


Head of the Department

Mechanical and Industrial Engineering, IIT Roorkee
विभागाध्यक्ष, यांत्रिक एवं औद्योगिक अभियंत्रण विभाग
भारतीय प्रौद्योगिकी संस्थान, रुड़की
Head, Department of Mechanical and Industrial Engineering
Indian Institute of Technology, Roorkee


Prof. Anil Kumar
(Mentor)