



भारतीय प्रौद्योगिकी संस्थान रुड़की Indian Institute of Technology Roorkee

DEPARTMENT OF MECHANICAL AND INDUSTRIAL ENGINEERING

Advt. No.: IITR/MI/PDF26-27/2160

Dated: 26/10/2026

28/10/2026

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. D K Dwivedi focused on “**Development of a Functionally Graded Weld Joints Between Ferritic/Martensitic P91 to Austenitic SS 304 Steel through TIG Welding for High Temperature Applications**”.

Deadline for the submission of application online is **November 12, 2026 11.59 PM**. Applications received after this date will not be considered.

Qualifications and experience:

Essential qualifications:

- The candidate must have Ph.D. in Mechanical / Manufacturing or allied Metallurgical Engineering domain with a research background in the field of metal processing and joining with a good publication record.

Desirable qualification:

- Prior experience in dissimilar metal welding
- Strong expertise in material characterization.
- Expertise in numerical modeling skills and finite element simulation of manufacturing processes
- Research experience in development of functionally graded materials

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?

Candidates should submit application form online only using line: <https://forms.gle/4GT2yQgTza4ETqmZ8>

Notes:

- (i) Post-doctoral Fellows will be registered as students and may avail of 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 the calendar year. PDF positions are purely temporary.
- (ii) The screened candidates will be called for interview.

About the Department:

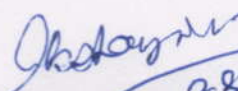
The Department of Mechanical Engineering came into being in the year 1946 and the first batch of Mechanical Engineers graduated in the year 1949. The department was renamed as Department of Mechanical & Industrial Engineering on its silver jubilee in 1974 when an undergraduate programme in Industrial 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/>)

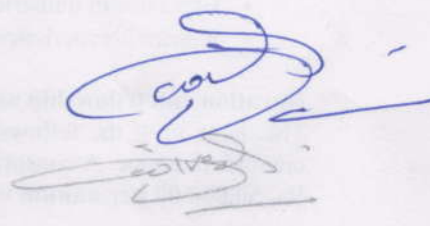
About the Institute:

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.>)


28/10/2026
(Head of the Department)
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विभागध्यक्ष, यांत्रिक एवं औद्योगिक अभियान्त्रिकी विभाग
भारतीय प्रौद्योगिकी संस्थान, रुड़की
Department of Mechanical and Industrial Engineering
Indian Institute of Technology, Roorkee



October 28, 2026