

No: Advt./ IITT/CSRC/2023-24/05

Date:07-07-2023

Applications are invited from eligible Indian nationals for the Junior Research Fellow post in a time-bound sponsored project undertaken in the Department of Mechanical Engineering.

Temporary Position	<u>Junior Research Fellow</u>
Essential Qualification	B.E in Mechanical Engineering or Energy Engineering with First class (Minimum 70% or 7.5 CPI) As per norms NET/GATE qualified candidates will be preferred
Project Title	Design, Development and Integration of Hydrogen Based Energy Storage and Conversion System for Underwater Applications
Sponsoring Agency	TIH- IIT Guwahati
Consolidated monthly Salary	Rs. 37,000 per month (Consolidated)
Principal Investigator	Prof. P. Muthukumar
Department/Centre	Mechanical Engineering
Tenure of Assignment	One year and may be extended for two more years based on the performance.
Desired Experience	<ul style="list-style-type: none"> • Must have basic knowledge in heat transfer • Having prior work experience in experimental research project is desirable. • Willing to work with other academic / industrial partner at Coimbatore, Tamil Nadu • Willing to work efficiently in a team environment, self-motivated, and work under a variety of challenging research conditions • Must have good oral and written communication skills • Must demonstrate the highest work ethics..
Nature of the Work	This work focuses on the design, development and testing of Hydrogen Systems for Engineering application like hydrogen storage, hydrogen purification, hydrogen compression, cooling and heating. Candidate is expected to work in close coordination with the industrial and academic partners
Age Limit	Age limit- Not more than 30 years (Relaxed for exceptional candidates)
Last date application	21-07-2023.

Eligible candidates must send a **detailed CV with Advt. No. (maximum 2 pages)** specifying their qualifications and experience **and a brief statement of purpose** on or before **21-07 2023** to csrc_recruitment@iittp.ac.in

The statement of purpose must include responses to the following questions:

1. Describe your research interests in the advertised area
2. Explain the tentative research plan briefly by using schematics, figures, flowcharts, and relevant references.

The shortlisted candidates will be informed by **Email only**. Selection will be based on the qualification, experience, and interview. **The interview and other logistics will be conducted via online only**. The interview date will be notified to the shortlisted candidates by Email. The candidate may appear in the interview through video conferencing. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof.