

Project Ref. No. MEE/20-21/002/DSTXMADA

Date: 6 November 2020

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

Temporary Position	Junior Research Fellow – 1
Essential Qualification	MS/ME/MTech in Mechanical Engineering or equivalent degree with minimum of 70% marks There could be relaxation for SC/ST candidate as per the norm. GATE qualified candidates are preferred.
Project Title	Development of Energy Efficient Twin-fluid Atomizer for effective post combustion CO ₂ and NO _x removal
Sponsoring Agency	Department of Science and Technology (DST), New Delhi
Consolidated monthly Salary	Rs. 31,000 + HRA per month
Principal Investigator	Dr. A. Madan Mohan
Department/Centre	Mechanical Engineering
Tenure of Assignment	1 year, extendable to another 1-year subject to satisfactory performance
Desired Experience	<ul style="list-style-type: none"> • Must have exposure to experimental and computational fluid mechanics • Must be 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 highest work ethics.
Nature of the Work	The project includes conducting laboratory experiments related to spray characterization using optical diagnostics, analysis of data and writing reports. The JRF has to work with Czech counterparts on the experimental data and should be willing to travel to Czech Republic for short visit in the second year.
Age Limit	28 years (Relaxed for exceptional candidates)
Last date application	November 25, 2020
Notes on COVID	The candidate should be ready to reallocate immediately on appointment. In case the pandemic situation doesn't allow to relocate immediately, he is expected to have good internet connectivity and a computer system to carry out the assigned task.

Eligible candidates may send a **detailed CV (maximum 2 pages)** specifying the qualifications and experience on or before **November 27, 2020** to Dr. Madan Mohan A, Assistant Professor, Department of Mechanical Engineering, IIT Tirupati at madan.avulapati@iittp.ac.in

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. 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.