

No: Advt/ IITT/CSRC/2021-22/18

Date: 9 March 2022

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

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.

<u>Temporary Position</u>	<u>Junior Research Fellow (one)</u>
Essential Qualification	MS/ME/MTech in Mechanical Engineering(Thermal and Fluids) or equivalent degree with minimum of 70% marks. GATE qualified candidates are preferred. Or BE/BTech in Mechanical Engineering with a minimum of 70 % marks and valid GATE Score
Project Title	Development of Energy Efficient Twin-fluid Atomizer for effective post combustion CO₂ 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 with possible extension of one more year subject to satisfactory Performance and funding availability
Desired Experience	<ul style="list-style-type: none"> • Must have exposure to experimental and computational fluid mechanics • Good Matlab programing skills
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 if required.
Last date application	March 25, 2022

Eligible candidates may send a **detailed CV (maximum 2 pages)** specifying the qualifications and experience on or before **March 25, 2022** 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.

Dean CSRC, IIT