

No: Advt/ IITT/CSRC/2023-24/03

Date: 16-06-2023

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

<b>Temporary Position</b>	Junior Research Fellow – 1
<b>Essential Qualification</b>	Bachelor/Master's in chemical engineering/ Mechanical Engineering or equivalent discipline  As per norms NET/GATE qualified candidates will be preferred.
<b>Project Title</b>	Process Topology based Computational Strategy for Sensor and Actuator Placement in Large Scale Systems
<b>Sponsoring Agency</b>	Science and Engineering Research Board
<b>Consolidated monthly Salary</b>	Rs. 31,000 per month
<b>Principal Investigator</b>	Prof. M. Nabil
<b>Department/Centre</b>	Chemical Engineering
<b>Tenure of Assignment</b>	6 months
<b>Desired Experience</b>	<ul style="list-style-type: none"> <li>• Must have strong mathematical skills. Fundamental exposure to one or more of the following areas is preferred: linear algebra, optimization, probability.</li> <li>• Must have strong programming skills (preferably in Python/MATLAB)</li> <li>• Must be willing to work efficiently in a team environment, self-motivated, and work under a variety of challenging research conditions</li> <li>• Must have good oral and written communication skills</li> <li>• Must demonstrate the highest work ethics.</li> </ul>
<b>Nature of the Work</b>	This work involves implementing the optimization problem in MATLAB or Python.
<b>Age Limit</b>	Age limit- Not more than 30 years. (Relaxed for exceptional candidates)
<b>Last date application</b>	29 <sup>th</sup> June 2023

Eligible candidates must send a **detailed CV (maximum 2 pages)** specifying their qualifications and experience **and a brief statement of purpose** on or before 29<sup>th</sup> June 2023 to Prof. M. Nabil, Assistant Professor, Department of Chemical Engineering, IIT Tirupati (Email: [csrc\\_recruitment@iittp.ac.in](mailto:csrc_recruitment@iittp.ac.in)) The statement of purpose must include responses to the following questions:

1. What motivates you towards pursuing the JRF position? (max. 200 words)
2. Describe your research interests in the advertised area. (max. 300 words)
3. Explain, how your prior research experience will be suitable for this project. (maybe explained using schematics, figures, flowcharts, and relevant references). (max 500 words)

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 hybrid mode.** 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.

**Note: No TA/DA shall be paid to candidates appearing for an interview online or offline. Selected candidates will need to join their duty within two weeks of acceptance of the offer for the fellowship.**

**Dean CSRC**