

No.: Advt/ IITT/CSRC/2021-22/15

Date: Jan 24<sup>th</sup>, 2022

Project No.: CHE2122002SERBMNAB

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

<b>Temporary Position</b>	<b>Junior Research Fellow - 1</b>
<b>Essential Qualification</b>	BE/BTech in Chemical Engineering or equivalent degree with a minimum of 65% marks and Gate score or  ME/ M.Tech in Chemical Engineering or equivalent degree with minimum of 60% marks.
<b>Project Title</b>	Process topology based computational methods for sensor and actuator placement in large scale systems
<b>Sponsoring Agency</b>	Science and Engineering Research Board (SERB)
<b>No. of positions</b>	One
<b>Desired Skills</b>	<ul style="list-style-type: none"> <li>• Must have a strong mathematical background in one or more of the following areas: Numerical Methods, Optimization, Linear Algebra, Probability and Statistics</li> <li>• Must have a strong programming skill in MATLAB and/or Python</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 highest work ethics</li> </ul>
<b>Nature of Work</b>	This project involves developing computational methods for solving large scale optimization problems.
<b>Consolidated monthly Salary</b>	JRF- Rs. 31,000 + 8% HRA per month
<b>Principal Investigators (IITT)</b>	Dr. Nabil M
<b>Department</b>	Chemical Engineering
<b>Tenure of Assignment</b>	6 Months, Extendable another 18 months subject to satisfactory performance and availability of funds.
<b>Last date for receipt of application</b>	9 <sup>th</sup> February, 2022

Eligible candidates may send their **detailed CV (maximum 10 pages)** specifying the qualifications and experience on or before **9<sup>th</sup> February, 2022** to Dr. Nabil M, Assistant Professor, Department of Chemical Engineering, IIT Tirupati at [nabil@iittp.ac.in](mailto:nabil@iittp.ac.in).

The shortlisted candidates will be informed by **E-mail only**. Selection will be based on the qualification, experience and interview. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof.

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