



# Central University of Tamil Nadu

## தமிழ்நாடு கெந்திரிய விஸ்வவித்யாலயம்

### SCANMAT CENTRE

#### **Advertisement for Junior Research Fellow/Project Assistant in SERB Funded Research project**

Applications are invited from interested candidates for the post of Junior Research Fellow/Project Assistant at the Simulation Center for Atomic and Nanoscale MATerials (SCANMAT) Central University of Tamil Nadu for a Science and Engineering Research Board (SERB) funded Research Project under the scheme of Core Research Grant (CRG) Vide File No. **CRG/2020/001399**.

<b>Name of the post</b>	<b>Junior Research Fellow/Project Assistant</b>
<b>Name of the project</b>	<b>Designing high efficiency thermoelectrics from high entropy half Heusler alloys using defects and disorder engineering</b> <b>Description:</b> This project will apply new and powerful techniques, to the search for high efficiency thermoelectric materials. This approach will merge computational modelling based on Density Functional Theory (DFT) and related techniques, high-throughput calculations at supercomputing centre, data mining and collaboration with experimental research group.
<b>Funding Agency</b>	SERB – Core Research Grant
<b>Principal Investigator</b>	Prof. P. Ravindran
<b>Project Code</b>	CRG/2020/001399
<b>Minimum qualifications</b>	<b>JRF:</b> M.Sc(Physics , Applied Physics, Materials Science, or relevant area with a minimum of 55% marks [50% for OBC (Non-creamy layer)/SC/ST/PWD candidates] and CSIR-NET/GATE/JEST <b>Project Assistant:</b> M.Sc (Physics, Applied Physics, Materials Science, or relevant area with minimum of 55% marks [50% for OBC (Non-creamy layer)/SC/ST/PWD candidates].
<b>Fellowship</b>	<b>Junior Research Fellow:</b> 31,000/- p.m. or <b>Project Assistant:</b> Rs 15,000/- p.m consolidated
<b>Number of posts</b>	<b>JRF:</b> 1 or <b>Project Assistant:</b> 2
<b>Tenure</b>	2 Years
<b>Age</b>	Maximum 28 years and relaxable upto to five years for SC/ST/OBC/WOMEN and Physically handicapped candidates.
<b>Online link to apply</b>	<a href="https://docs.google.com/forms/d/e/1FAIpQLSfeSb5h9uUp_EvYII3lxVjmYNFx9-K4zxZD5dBQUMIER3y2rg/viewform?usp=sf_link">https://docs.google.com/forms/d/e/1FAIpQLSfeSb5h9uUp_EvYII3lxVjmYNFx9-K4zxZD5dBQUMIER3y2rg/viewform?usp=sf_link</a>
<b>Last date of application</b>	<b>07.10.2022</b>

**Application Process:** Candidates fulfilling the above qualifications are encouraged to apply using the LINK. Based on the academic merit, skills, research experience the candidates will be shortlisted for attending the online interview. The date of interview will be informed, through email, only to the shortlisted candidates. The qualified candidates may be considered for pursuing their PhD. The decision of the selection committee is final.

**For any further information, please contact:**

**Prof. P.Ravindran** (Principal Investigator)

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The Research activities of the SCANMATE Center can be found at

<https://folk.universitetetioslo.no/ravi/cutn/people.html>