



भारतीय प्रौद्योगिकी संस्थान
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IIT Indore

December 14, 2021

Advertisement for a SRF Position for the Industry Sponsored Project

Applications are invited from highly motivated, enthusiastic and research-oriented students for the position of Senior Research Fellow (SRF) in an Industry sponsored research project entitled “**Development of novel shape stabilized and flame redundant phase change composite for thermal management of battery modules**”.

About the project:

The scope of the work includes the development of novel phase change composite (PCC) with enhanced properties and their possible application in battery thermal management systems. These enhanced thermal properties will enable the PCC to maintain a desirable and uniform temperature in the battery modules, which in turn will increase the safety, reliability, lifespan of the battery modules.

Eligibility:

- MTech/ME in Mechanical/Chemical/Material Science Engineering with good academic background.

or

- BTech/BE in Mechanical/Chemical/Material Science Engineering, qualified in GATE examination with good academic background and should have three years research experience in the domain of the project.

Desirables:

The candidate should have good knowledge of heat transfer, thermal engineering, phase change material/composite and battery modules. Candidates having exposure to experimental/numerical study of thermal behavior of phase change material (PCM) based thermal energy storage/thermal management systems are encouraged to apply.

Fellowship details:

SRF position: Consolidated INR 35,000 per month.

General Information:

The position is temporary for a period of 06 months and tenable only for the duration of the project. The appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer appropriate designation and salary based on experience, qualification and performance in the interview.

How to Apply:

1. Interested candidates are requested to submit statement of purpose (SOP) a detailed CV to Dr. Santosh Kumar Sahu (sksahu@iiti.ac.in), via email only with the subject line as "Application for SRF position in Industry-sponsored project". The last date of submission of the application is December 22, 2021.
2. In the SOP, the candidate may write about his/her past research work, any relevant research project done by the candidate, his/her idea for future research or views on the above project based on the literature search, etc.
3. The CV should include complete information such as academic grades/percentage starting from Xth standard onwards with the details of year of passing, university or college, GATE score with year, discipline, marks, All India Rank, number of candidates appeared, contact details and a valid email id. Kindly mention the work experience in detail of related field. Incomplete applications will be rejected.
4. Only shortlisted candidates will be intimated by email for an online interview.
5. In case of any query related to above project, kindly email to Dr. Santosh Kumar Sahu.