



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No. and Date: AV/VRI/2022/0252 Dated: 15/11/2022	IIT (ISM) Project No. DST(SERB)(INTERNSHIP)/2022-2023/14/MECH	Date: 16/11/2022
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Research Internship (VRITIKA) under Accelerate Vigyan Scheme (SERB)

Applications are invited under the sponsored project. The details of the project are as under:

Position	Research Internship
Number of Position (s)	Five (05)
Title of The Project	Experimental Analysis of Flat and Dimple based Solar Air Heaters at different Mass flow Rates.
Principal Investigator	Prof. Rakesh Kumar, Associate Professor, Department of Mechanical Engineering, IIT(ISM) Dhanbad, Dhanbad - 826004, Jharkhand, Email: rakesh@iitism.ac.in, Ph. +919471191668.
Tenure of Project	The position is purely temporal and Co-terminus with the project, which is sanctioned for a maximum period of six weeks.
Job Description (in maximum of 100 words)	In this project, the candidate will investigate the heat transfer analysis of cavity based solar air heater when fluid flow through the cavities at different Reynolds number.
Essential Qualification	ME/MTech/PhD Degree in Mechanical Engineering/Thermal engineering or related area with minimum of first class from a reputed institute.
Desirable Qualification	Knowledge of numerical heat transfer analysis using CFD software packages (ANSYS FLUENT, ANSYS CFX, etc.).
Age and Relaxation (if any)	The upper age limit is 30 years at the time of appointment (Age relaxation for SC/ST/OBC/PH/Female candidates as per GOI norms.
Fellowship	TA (as per GOI norms), stationary, consumables, accommodation, and food for the participating students. No fellowship will be given.
Last Date & Time	Interested candidate are requested to send application with detailed Bio-data and soft copy of educational qualifications with age proof to the Principle Investigator by Email: rakesh@iitism.ac.in on or before 25/11/2022. No Objection Certificate (NOC) is required, if selected.
Shortlisted candidates will be informed on the date of interview. Mere possession of minimum*qualification does not guarantee an invitation to the interview. Candidates will be short listed based on their merit and as per the requirement of the project. All candidates should make their own arrangements for their stay at Dhanbad, if required. No TA/DA will be paid to attend the interview.	

RKumar
17/11/2022
(Signature of PI)

Dr. Rakesh Kumar
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