



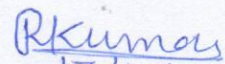
Indian Institute of Technology (Indian School of Mines), Dhanbad  
The Office of Dean, Research & Development

Sanction No. and Date: AV/VRI/2022/0221 Dated: 15/11/2022	<b>IIT (ISM) Project No.</b> <b>DST(SERB)(INTERNSHIP)/2022-2023/15/MECH</b>	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:

<b>Position</b>	<b>Research Internship</b>
<b>Number of Position (s)</b>	<b>Five (05)</b>
<b>Title of The Project</b>	<b>Design, Fabrication and Calibration of fast Response Temperature Sensors for Transient Heat Flux Measurements.</b>
<b>Principal Investigator</b>	<b>Prof. Rakesh Kumar, Associate Professor, Department of Mechanical Engineering, IIT(ISM) Dhanbad, Dhanbad - 826004, Jharkhand, Email: <a href="mailto:rakesh@iitism.ac.in">rakesh@iitism.ac.in</a>, Ph. +919471191668.</b>
<b>Tenure of Project</b>	<b>The position is purely temporal and Co-terminus with the project, which is sanctioned for a maximum period of six weeks.</b>
<b>Job Description (in maximum of 100 words)</b>	<b>In this project, the candidate will investigate the transient heat flux measurement analysis in microseconds from thin film gauge and coaxial thermocouple.</b>
<b>Essential Qualification</b>	<b>ME/MTech/PhD Degree in Mechanical Engineering/Thermal engineering or related area with minimum of first class from a reputed institute.</b>
<b>Desirable Qualification</b>	<b>Knowledge of numerical heat transfer analysis using CFD software packages (ANSYS FLUENT, ANSYS CFX, etc.).</b>
<b>Age and Relaxation (if any)</b>	<b>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.</b>
<b>Fellowship</b>	<b>TA (as per GOI norms), stationary, consumables, accommodation, and food for the participating students. No fellowship will be given.</b>
<b>Last Date &amp; Time</b>	<b>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: <a href="mailto:rakesh@iitism.ac.in">rakesh@iitism.ac.in</a> on or before 25/11/2022. No Objection Certificate (NOC) is required, if selected.</b>
<b>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.</b>	

  
17/11/2022  
(Signature of PI)

**Dr. Rakesh Kumar**  
Associate Professor  
Department of Mechanical Engineering  
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