



**Department of Metallurgy Engineering and Materials Science**  
**Indian Institute of Technology Indore**

**Advertisement for Research Associate (RA)**

Applications are invited from motivated and eligible candidates for a Research Associate (RA) position in the research project (No. TR/0569/CARS-149) supported by the Defence Research and Development Organization - DRDO, Ministry of Defence, Government of India. The details of the project are given below:

<b>Name of Post</b>	Research Associate (RA)
<b>No. of post</b>	One (01)
<b>Title of The Project</b>	<b>Development of Simulation model for Blast Resistant Honeycomb Sandwich structure.</b>
<b>Principal Investigator (PI)</b>	Dr. Indrasen Singh Assistant Professor Department of Mechanical Engineering, IIT Indore
<b>CO- PI</b>	Dr. Vinod Kumar Associate Professor Department of Metallurgical Engineering and Materials Science, IIT Indore
<b>Tenure of Project</b>	Maximum 1.5 years or till end of the project, whichever is earlier.
<b>Job Description</b>	Candidate needs to develop the material using Spark Plasma Sintering (SPS). Further it is required to investigate the mechanical behaviour of the developed material and apply it to the proposed application. Responsibilities include research, analysis, and scientific journal preparation. Ideal for professionals passionate about advancing materials technology.
<b>Essential Qualification</b>	M. Tech. / ME in Metallurgical and Materials Engineering/ Mechanical Engineering/ Materials Engineering/ Nanoscience and Engineering/ Nanotechnology/ Production Engineering/ Manufacturing Engineering/ or equivalent (with first division as defined by the awarding Institute / University); <b>or</b> Master's degree in physics/chemistry (with first division as defined by the awarding Institute /University). <b>The candidate who has submitted his/her thesis in the department of Metallurgical and/or Materials Engineering will be preferred.</b>
<b>Desirable Qualification</b>	Knowledge and experience in material testing and characterization, metallic materials, casting process/SPS.
<b>Age Limit</b>	Preferably below 40 Years
<b>Salary/Fellowship</b>	Rs. 37,000/- pm (Consolidated)
<b>Last Date &amp; Time</b>	Interested candidates are requested to send their detailed CV, statement of purpose (SOP), proof of Ph.D. thesis submission, and copies of educational qualifications, and other relevant documents to the Principal Investigator by Email ( <a href="mailto:vkt@iiti.ac.in">vkt@iiti.ac.in</a> ) on or before <b>July 23, 2024, 5:00 PM.</b>

Only shortlisted candidates will be informed about the date of the interview by email. The appointment is purely temporary and may co-terminus with the project. Mere possession of the minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. Meeting link will be shared only with the shortlisted candidates before the date of the interview.

**Interview Date: July 26, 2024 (10:00 AM onward online)**

