



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

Sanction No and Date: DST/TDT?SHRI-32/2021(G) dated 28-03-2022	<b>IIT (ISM) Project No.</b> DST(TDT)(SHRI)(328)/2022- 2023/891/CHEMICAL	Date: 18-07-2022
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**JRF position under (Name of Funding Agency) Project**

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

<b>Position</b>	JRF
<b>Number of Position (s)</b>	01
<b>Title of The Project</b>	Conservation of the metallic cultural heritage assets by waterborne superhydrophobic and anti-dust coatings
<b>Principal Investigator</b>	Prof. Aditya Kumar
<b>Tenure of Project</b>	Maximum two years or till the end of project (21-04-2024), whichever is earlier
<b>Job Description (in maximum of 100 words)</b>	JRF will carry out the experiments to create water-repellent superhydrophobic coatings. JRF will characterize the coating by using different techniques. JRF will examine the applications of prepared coatings and compare the results with existing mathematical models and will propose new models based on the experimental observations. JRF will also write the research papers and patents. Besides, JRF shall do all technical work as assigned by the Principal Investigator from time to time.
<b>Essential Qualification</b>	B. Tech (in Chemical Engineering) with a minimum of 70% marks/CGPA of 7.5 (on a 10 point scale) + GATE qualified OR B. Tech (in Chemical Engineering) and M.Tech (in Chemical Engineering, Polymer Engineering, Process Engineering, Biotechnology, Biochemical Engineering, Nanotechnology, Petroleum/Fuel Engineering, Environment Engineering, Materials Science Engineering, Ceramic Engineering) with first class/division or a minimum of 60% marks/CGPA of 6.5 (on a 10 point scale) + GATE qualified OR B. Tech./M.Tech (in Chemical Engineering) degree from Centrally Funded Technical Institutes (CFTIs) having a CGPA of 8.0 or above
<b>Desirable Qualification</b>	M.Tech & B. Tech in Chemical Engineering + GATE qualified
<b>Age and Relaxation (if any)</b>	As per Institute rule
<b>Fellowship</b>	₹ 31,000 + 16% HRA
<b>Last Date &amp; Time</b>	<b>14-08-2022 &amp; 5:00 PM.</b> Applications along with updated CV along with supporting documents should be sent through mail to <a href="mailto:aditya@iitism.ac.in">aditya@iitism.ac.in</a>

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.

(Signature of PI)