



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

<b>Sanction No and Date:</b> SERB/F/1494/2022-2023 dated 10 <sup>th</sup> June, 2022	<b>IIT (ISM) Project No.</b> DST(SERB)(334)/2022-2023/904/ECE	<b>Date: 27<sup>th</sup> June, 2022</b>
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**Research Intern position under Accelerate Vigyan Scheme of DST (Offline Mode)**

Applications are invited for Research Intern position under the following Accelerate Vigyan Scheme of DST:

<b>Position</b>	RESEARCH INTERN (Offline Mode)
<b>Number of Position (s)</b>	Three (03)
<b>Title of The Project</b>	<b>Detection of Platinol Drug using 2D-Pd/Rh-doped and layered Transitional Metal Dichalcogenide materials: A DFT-based approach</b>
<b>Principal Investigator</b>	DR. MANODIPAN SAHOO
<b>Tenure of Project</b>	1 month
<b>Job Description (in maximum of 100 words)</b>	The candidate is expected to do Performance analysis of TMD materials-based Platinol drug sensor by adsorption on 2D-Pd/Rh-doped and layered TMD materials. Then the candidate is expected to do benchmarking with contemporary data of Platinol drug sensors.
<b>Essential Qualification</b>	M.Tech./M.E. in Electronics Engineering or equivalent discipline, M.Sc. in Physics/Chemistry/Material Science/Electronics or equivalent discipline with a minimum of 60% marks/OGPA of 6.0 (on a 10-point scale)
<b>Desirable Qualification</b>	Expertise in MATLAB and VLSI Device simulation tools will be preferable with expertise in Python.
<b>Age and Relaxation (if any)</b>	The upper age limit is 25 years at the time of appointment.
<b>Stipend</b>	No stipend will be provided during the internship
<b>Last Date &amp; Time</b>	6 <sup>th</sup> July, 2022 and 6 PM
<b>Application Procedure</b>	Interested and eligible candidates are requested to email their CV, mark sheets, certificates, experience certificates and NOC from the Institution to pursue the internship in a .zip file to the Principal Investigator at <a href="mailto:manodipan@iitism.ac.in">manodipan@iitism.ac.in</a> before 6 PM on 6 <sup>th</sup> July, 2022.
<b>Note:</b> Candidates will be short listed based on their merit and as per the requirement of the project. Mere possession of minimum qualification does not guarantee an invitation for the interview. The interview would be on online mode (Google Meet/Zoom). The date and time along with online details of the interview would be informed via email to the shortlisted candidates.	