



## Indian Institute of Technology (ISM) Dhanbad

Office of the Dean (Research & Development)

Sanction No and Date:	IIT (ISM) Project No.	Date
SRG/2023/002723 dated 20.11.2023	DST(SERB)(400)/2023-24/1054/CHEMICAL	24.03.2025

### Student intern position under DST-SERB Project

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

<b>Position</b>	Student intern (offline mode; need to be physically present in the campus)
<b>Number of Position (s)</b>	1 (one)
<b>Title of The Project</b>	Investigation of modal and non-modal instability in fluid-porous double-layer configuration
<b>Principal Investigator</b>	Dr. Sourav Sengupta, Department of Chemical Engineering, IIT (ISM) Dhanbad, Dhanbad – 826004; Email: <a href="mailto:souravsengupta@iitism.ac.in">souravsengupta@iitism.ac.in</a>
<b>Tenure of Project</b>	2 years (appointment of intern is purely temporary for 2 months; during the summer vacation of 2025)
<b>Job Description (in maximum of 100 words)</b>	The candidate will study flow transition in fluid-porous configuration in the case of biological flows.
<b>Essential Qualification</b>	Students currently pursuing BE/BTech in Chemical Engg./Mechanical Engg./Civil Engg./Aerospace Engg./Applied Mathematics/Modelling and Simulation/allied fields, preferably in second or third year of their undergraduate programme.
<b>Desirable Qualification</b>	Good understanding of fluid mechanics and familiarity in programming (preferably MATLAB/COMSOL/ANSYS FLUENT/OPENFOAM)
<b>Age and Relaxation (if any)</b>	As per the norms of the Govt. of India/DST-SERB for student intern recruitment.
<b>Fellowship</b>	₹ 5000/- per month, for a period of two months
<b>Last Date &amp; Time</b>	Interested candidates should email a single PDF [containing (i) CV, (ii) self-attested copies of all marksheets and certificates starting from 10 <sup>th</sup> class, (iii) letter of authentication from the Head of the Department/Institute indicating their association with the Institute, (iv) No-Objection Certificate (NOC) from the Institute allowing the student to undergo internship, if selected] to the PI (both to <a href="mailto:souravsengupta@iitism.ac.in">souravsengupta@iitism.ac.in</a> and <a href="mailto:souravsg18@gmail.com">souravsg18@gmail.com</a> ), on or before 24 April 2025, 6 PM. Candidates should write “ <b>Application for Student Intern position in DST(SERB)(400)/2023-24/1054/CHEMICAL</b> ” in the subject of email.
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. The interview will occur in video-conferencing mode; a link for the same will be shared with shortlisted candidates in due course.	

*Sourav Sengupta*

(Signature of PI)