



**Indian Institute of Technology (ISM) Dhanbad**  
Office of the Dean (Research & Development)

Sanction No and Date: DS-2B-13012(2)/11/2021-Sec.2 dated 01/09/2025	IIT (ISM) Project No. SRDP 1230 G	Date 10/11/2025
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**Project Staff (JRF) position under ISRO Project**

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

<b>Position</b>	Junior Research Fellow
<b>Number of Position (s)</b>	One
<b>Title of The Project</b>	Design and Development of a planar structure embedded dual-band waveguide bandpass filter at C-band (3400-3425 MHz and 4180-4200 MHz) to acquire and track the NavIC satellite CDMA signals.
<b>Principal Investigator</b>	Prof. Sushrut Das Professor, Department of Electronics Engineering, IIT(ISM) Dhanbad, Jharkhand-826004. Email: <a href="mailto:sushrut@iitism.ac.in">sushrut@iitism.ac.in</a> .
<b>Tenure of Project</b>	Maximum two years or till the end of project, whichever is earlier. It may be converted into regular JRF position of the institute at any time as per IIT(ISM) Dhanbad rule.
<b>Job Description</b>	Design of a dual-band waveguide bandpass filter with sharp cutoff and low insertion loss to acquire and track the NavIC satellite CDMA signals in the RF environment which is challenged by 5G Interferes.
<b>Essential Qualification</b>	First Class or First Division with minimum 60% marks or equivalent CGPA in M. Tech. / M.E. / MS in Electronics / Electronics & Communication / Electronics & Tele-communication or related field [OR] B. Tech / B.E. or equivalent degree in Electronics / Electronics & Communication / Electronics & Tele-communication [OR] M.Sc in Electronics, [OR] M.Sc in Physics (Specialization in Electronics). The candidate must have qualified GATE/NET.
<b>Desirable Qualification</b>	Good knowledge in Electromagnetics, Microwave Engineering and familiarization with different RF simulation softwares.
<b>Age and Relaxation</b>	35 years at the time of appointment. A relaxation in the upper age limit will be given to SC/ST/OBC (Non-creamy layer)/PH candidates as per GOI rule.
<b>Fellowship</b>	INR 37,000/- per month + 20% HRA (As applicable, in case hostel accommodation is not provided)
<b>Last Date &amp; Time</b>	01 <sup>st</sup> December 2025 (Monday), 10:00 AM. Interested and eligible candidates should email a single PDF containing the Biodata/CV, Self-attested copies of all the marksheets and certificates starting from 10 <sup>th</sup> standard, GATE/NET score card, age proof, caste certificate (if applicable), work experience (if any) to the principal investigator at <a href="mailto:sushrut@iitism.ac.in">sushrut@iitism.ac.in</a> within the above deadline.
Shortlisted candidates will be informed about 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.	

*Sushrut Das*

(Signature of the PI)