




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

Sanction No and Date: DST/TDT/AM/455(G) dated 25/01/2024	IIT (ISM) Project No. DST(TDT)(412)/2023-2024/1078/ECE	Date: December 18, 2024
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JRF position under DST (AMT) Project

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

Position	Junior Research Fellow (JRF)
Number of Position (s)	One (01)
Title of The Project	Development of ceramic dielectric material potentially viable for microwave devices
Principal Investigator	Dr. Ravi Kumar Gangwar (Associate Professor), Department of Electronics Engineering, Indian Institute of Technology (ISM) Dhanbad, Dhanbad-826004 (Jharkhand), E-mail: ravi@iitism.ac.in , Phone no.: (0326) 2235903 (Office), +91-9771457994 (Mobile)
Tenure of Project	The position is purely temporary and co-terminus with the project, which is sanctioned for a period of TWO YEARS.
Job Description (in a maximum of 100 words)	In this project, Microwave dielectric materials with low dielectric loss will be designed and developed for the development of microwave devices such as radiating patch antennas, dielectric resonator antennas, filters, oscillators and so on, for its use in ISM (Industrial, Scientific and Medical) & PCS (Personal Communications Service) Frequency Band Systems.
Essential Qualification	Applicants having B.Tech./BE/M.E./M.Tech. Degree in RF/Microwave Engineering/Electronics Engineering/Electronics & Communication Engineering or related branch or M.Sc. in Physics/Electronics and selected through any of the following: a) The candidate must have qualification in National Eligibility Tests-CSIR-UGC NET including lectureship (Assistant Professorship) and GATE, or, b) should be selected for their Graduate/Post Graduate courses through the selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBR, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISC, IISER etc.
Desirable Qualification	Working knowledge of modeling and simulation of Microwave Devices using ANSYS HFSS/CST and MATLAB and preparing ceramic materials will be an added advantage.
Age and Relaxation (if any)	The upper age limit is 35 years at the time of appointment (Age relaxation for SC/ST/OBC/PH/Female candidates as per GOI rules)
Fellowship	Rs. 37,000/- +18% HRA per month for the two years
Last Date & Time	Interested candidates are requested to fill the google form https://docs.google.com/forms/d/e/1FAIpQLSdWuxwABDSRoWuYqPCTAop2iqCtvHVBUZPpxD--Bb5uiNMhfQ/viewform?usp=sf_link and upload Bio-data and copies of educational qualifications, age proof, GATE certificate, and valid cast certificate (if applicable) in single pdf file on or before 31 December 2024 .
Shortlisted candidates will be informed through email on the date of the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirements 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)