ADVERTISEMENT FOR THE POST OF A PROJECT ASSOCIATE -I

Date: 11-11-2025

Applications are invited for a temporary position of **Project Associate-I under the ISRO, RAC-S** research project **on or before 23-11-2025**. Interested and motivated candidates are invited for this position as per the following details.

Position	Project Associate-I
Number of Vacancy	1
Project Title	*Development of RF Filters with Piezo-electric thin film based acoustic wave resonator*
Department	Physics
Project Tenure	Two Years
Job Description	**Key responsibilities:** Thin Film Fabrication: Assist in the preparation and deposition of piezoelectric thin films, perform post-deposition annealing, surface modification, and structural optimization for enhanced RF performance. Material Characterization: Conduct structural, morphological, and electrical characterization (e.g., XRD, SEM, AFM, impedance analysis, dielectric and piezoelectric measurements), Analyze the material quality and correlate it with device performance. Device Design and Testing: Participate in the design and fabrication of RF filter structures (e.g., SAW/BAW resonators), Carry out RF measurements and evaluate device performance parameters like insertion loss, return loss, bandwidth, and Q-factor. COMSOL Multiphysics Simulation: Develop and validate simulation models for thin film piezoelectric RF filters, Perform parametric studies to optimize material and device geometry, Compare simulation results with experimental data for performance enhancement. Documentation and Reporting: Maintain detailed experimental and simulation records, Prepare technical reports and presentations for review meetings with ISRO, Contribute to publications and technology transfer activities. Desirable Skills: Hands-on experience in thin film processing and characterization, Familiarity with piezoelectric materials and RF filter design concepts, Proficiency in COMSOL Multiphysics or similar software, Strong analytical skills and ability to work in a team.
Essential Qualification	M.Sc degree in Physics / Applied Physics with an aggregate minimum of 65% marks (average of all semesters) or CGPA / CPI grading of a minimum of 6.84 on a 10 scale or equivalent.
Age Limit	28Yrs
Age relaxation	The upper age limit is relaxable up to 5 years in the case of candidates belonging to scheduled castes/tribes/OBC, women and physically handicapped candidates.
Fellowship	Rs.31,000/-p.m.

Interested candidates are requested to submit their application with their current CV and self-attested copies of supporting documents to the email address and fill the Google form link as mentioned below on or before 23-11-25. The shortlisted candidate will be called for an interview in the last week of November 2025. Original documents and a copy of the M.Sc. project reports (if any) are also to be brought for verification purposes. No TA/DA will be paid for attending the interview.

Dr Abu Talat Tahir Mostako
Assistant Professor
Department of Physics
Dibrugarh University, Dibrugarh-786004
Assam, India
E-Mail: mostako@dibru.ac.in

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