



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

Sanction No and Date: ANRF/ARG/2025/006925/ENS Date: 08/06/2026	IIT (ISM) Project No. SRDP 1329 G	Date September 10, 2026
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Project Staff (JRF/SRF/RA/Project Assistant/Project Associate) position under (ANRF) Project

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

Position	ANRF Project Associate-I
Number of Position (s)	01 (One)
Title of The Project	SANCHARI- An Efficient generic software tool for the synthesis and validation of cost effective time sensitive networks
Principal Investigator	Prof. Jaishree Mayank
Tenure of Project	2 Years(Maximum two years or till the end of project, whichever is earlier)
Job Description (in maximum of 100 words)	The candidate will work on hardware setup, configuration, testing, and embedded code development and optimization for TSN switches under the SANCHARI project. The work will include hardware–software integration, debugging, performance evaluation, and validation of TSN functionalities.
Essential Qualification	B.E./B.Tech./M.Tech/M.S./MCA/M.Sc. with a GATE qualification (in CS, DA, EC, or EE) or NET (in Computer Science and Applications, Electronic Science, and Mathematical Sciences).
Desirable Qualification	The candidate should have strong knowledge of embedded systems and hardware setup, configuration, testing, and debugging, particularly involving Raspberry Pi, Arduino, sensors, Ethernet, and TSN-enabled switches. The candidate should have hands-on experience in hardware–software integration, embedded C/C++ programming, firmware development, and embedded code optimization. Knowledge of TSN protocols, real-time networking, network scheduling, and performance optimization will be preferred. Familiarity with algorithm design, mathematical optimization, AI/ML-based optimization techniques, and their application to TSN networks will be an added advantage.
Age and Relaxation (if any)	35 Years and As per the norms of the Government of India/IIT (ISM), Dhanbad
Fellowship	₹37,000/month for two years if GATE/NET qualified, OR ₹30,000 /month for two years if NOT GATE/NET qualified.
Last Date & Time	Interested candidates are required to fill out the application form and upload a single PDF file containing (i) their CV, (ii) GATE/NET scorecard, and (iii) self-attested copies of all marksheets and certificates, starting from 10th class through Bachelor's/Master's degree, through the following link on or before 25 September 2026, 10:00 AM: https://forms.cloud.microsoft/r/h5F4Dd6Dk2 .

Shortlisted candidates will be notified of the interview date. Mere possession of a minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and in accordance with the project's requirements. The interview will be conducted via video conferencing; a link for this purpose will be shared with the shortlisted candidates in due course.

Jaishree Mayank
(Signature of PI)
10/9/2026