Birla Institute of Technology & Science, Pilani
K K Birla Goa Campus

CALL FOR RESEARCH STAFF (Junior Research Fellow/Project Associate - 1)

Application Deadline: 30th Jan 2026   Date: 15th Jan 2026

Applications are invited from highly motivated candidates for the position of **Junior Research Fellow (JRF) /Project Associate - 1 (PA- 1)** in the **Department of Chemical Engineering**, BITS Pilani, K. K. Birla Goa Campus, Goa, to work on a **time-bound research project** sponsored by **ISRO**, titled *"Two-Phase Flow Modeling in Cryogenic Propellant Feed Lines"* (Project No. RAC-S/FRP/25-26/11). The appointment will be **purely on a contractual basis**.

Position	Junior Research Fellow (JRF)/ Project Associate - 1 (PA- 1)	Vacancy	1
Funding Agency	ISRO, Government of India	**Duration**	1 year, extendable to the 2nd year based on performance
Fellowship	**JRF:** Rs. 37,000 + HRA as per norms if GATE/ NET qualified **PA- 1:** Rs. 31,000 + HRA if not GATE/ NET qualified	**Principal Investigator**	Prof. Sundari R Department of Chemical Engineering
Project Description	Development of a 3D mathematical model to predict chill-down times in cryogenic LOX feedline by integrating fluid flow and conjugate heat transfer models, incorporating heat transfer correlations for various flow boiling regimes.		
Desired Skillset	Knowledge of fluid mechanics and heat transfer, with experience in mathematical modeling and numerical simulation		
Qualification	First class Post Graduate/ Graduate Degree in Chemical/Mechanical/Manufacturing/ Civil/ Environmental / Design Engineering or basic sciences, selected through a process described through any one of the following:- 1. Scholars who are selected through National Eligibility Tests- CSIR–UGC NET including lectureship (Assistant Professorship) and GATE. 2. Selection process through National level examinations conducted by central Government departments and their agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, IIT, IISc, IISER etc. Candidates who have not appeared in the above examinations may still be considered for the PA-1 position. Preference will be given to GATE/NET qualified candidates		
Registration for PhD	Selected **JRF/PA-1** candidate will have the opportunity to apply for PhD programme at BITS Pilani, K. K. Birla Goa Campus, subject to their performance (Rules of PhD program for BITS Pilani are applicable).		

How to Apply: Interested candidates may apply using the link: https://forms.gle/w5oGM71qmwJMtyRe9 by **30th Jan 2026, 23:59 IST**. Candidates must attach their recent curriculum vitae with details of research experience(s) while filling the form. For queries, contact PI via email: **sundarir@goa.bits-pilani.ac.in**. Candidates will be shortlisted based on merit and as per the project requirement. Only shortlisted candidates will be contacted via e-mail for an online/personal interview to be held at BITS Pilani- K K Birla Goa Campus. No TA/DA will be paid for the Interview.

Accommodation: Hostel accommodation will be provided subject to availability and will be governed by the rules and regulations of the Institute prevailing at the time of joining of the candidate.

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