



Research Staff (Project Associate-I) position under ISRO funded project

Applications are invited from interested and motivated candidates for **ONE (01) Project Associate-I (PA-I)** position in the Department of **Mechanical Engineering** at BITS Pilani, K. K. Birla Goa Campus, Goa for a **ISRO** funded research project.

Project Title: Forming Limiting Diagram (FLD) Generation and Optimization of Cold forming of KC20WN Cobalt Based Super Alloy for Rocket Nozzle Divergent (RAC-S/FRP/25-26/12).

Principal Investigator (PI): Dr. Sudhy S Panicker, BITS Pilani Goa Campus [[Profile](#); [LinkedIn](#); [Google Scholar](#)]

Co-PI (1): Dr. Randhir Kumar Singh, Dept. MME, MNIT Jaipur [[Profile](#); [LinkedIn](#); [Google Scholar](#)]

Co-PI (2): Dr. Ravi Ranjan Kumar, Scientist, LPSC, ISRO Thiruvananthapuram [[Google Scholar](#)]

Broad area of Research : Sheet Metal Forming, Metallurgical Characterization, Design for Manufacturing.

Duration of the project : 2 Years

Fellowship Amount (Rs.) : 31,000 per month + HRA as per norms

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.

Qualification: First class Post Graduate/ Graduate Degree (**M.E./ M.Tech./ M.S.**) in **Mechanical/ Manufacturing/ Production/ Metallurgy and Materials/** Design Engineering, selected through a process described through any one of the following :-

1. Scholars who are selected through National Eligibility Tests – GATE, CSIR-UGC NET including lectureship (Assistant Professorship).
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.
3. Candidates who have not appeared in the above examinations may still be considered for the position.

Required Skills: Fundamental knowledge of manufacturing processes, metal forming, mechanical and material characterization, design for manufacturing, finite element modelling and analyses.

Desirable Skills: Passion towards research, developing new experimental setups, experimental and numerical investigation, problem-solving skills, and an aspiration to pursue Ph.D. on the project topic.

- The PA-I will develop experimental setup and perform experimental and numerical analyses for sheet metal forming processing including mechanical and metallurgical characterizations. He/She will collaborate closely with PIs to ensure successful completion of project and quality outcomes.

Benefits:

- Selected candidate will get a chance to apply for PhD degree at BITS Pilani, K. K. Birla Goa Campus (Rules of PhD program for BITS Pilani are applicable).
- Training in development of new experimental forming setups, metallurgical characterization, numerical methods and their applications to real-time engineering problems.

How to Apply: Interested candidates apply using the link: <https://forms.gle/qnv1jvKf9gW8LaqVA> by **16th November 2025**. Candidates must **attach a detailed curriculum vitae** with **details of research experience(s)** while filling the form.

Only shortlisted candidates will be contacted via E-mail for Online/ Personal interview to be held at BITS Pilani-K K Birla Goa Campus. No TA/DA will be paid for the Interview.

For queries, please contact PI via email: sudhyp@goa.bits-pilani.ac.in.

