



Date:26/06/2026

**Ph D / M Tech (by Research) in Mechanical Engineering**  
**JRF position available in sponsored Research Project**

Applications are invited for a position of **JRF (Junior Research Fellow)** in a new research project sponsored by the Indian Space Research Organization (ISRO) in the field of Cryogenic engineering. [Prior knowledge of Cryogenic engineering is not required]

|   |   |
|---|---|
| Post  | Junior Research Fellow (JRF)  |
| Funding Agency  | Indian Space Research Organization (ISRO)   |
| Sanction No   | DS-2B-13012(2)/11/2021-Sec.2  |
| <b>Title of Project: "Indigenous development of 2-stage pulse tube cryo-refrigerator for cryopump application"</b>  |   |
| <u>Principal Investigator (PI) and to-be Ph D guide:</u><br>Dr. Sachindra Kumar Rout, Associate Professor<br>Department of Mechanical Engineering,<br>CV Raman Global University, Bhubaneswar, Mahura, Janla, Bhubaneswar 752054<br>Email: <a href="mailto:sachindrarout@cgu-odisha.ac.in">sachindrarout@cgu-odisha.ac.in</a><br>Phone No: 8895815648/ 8249635640 |   |
| Tenure of Project*  | Till November 2028. The position is temporary and co-terminous with the project. Continuation of fellowship dependent on satisfactory academic performance at all stages.   |
| Emoluments**  | Rs 37,000/- per month (Consolidated) + HRA according to norms of the funding agency as well as that of the university, if hostel room is not made available by the university.  |
| Qualifications  | a) Consistently good academic career<br>b) B.Tech or equivalent in Mechanical Engineering with Minimum 60% marks in aggregate or 6.5/10 CGPA) or M Tech in any specialization of Mechanical Engineering with 60% marks or equivalent in both B.Tech and M.Tech.<br>c) A good GATE score any time in career, and degrees from reputed institutions. Candidates with superior academic record but without GATE score may be considered for the post of Project Associate with a lower rate of stipend subject to approval of the sponsors.<br>d) The applicant is expected to be proficient in engineering fundamentals – mathematics, physics, basic electrical and electronic |



**C V Raman Global University,**  
**Bidyanagar, Mahura, Janla, Bhubaneswar,**  
**Odisha-752054**



|                  |   |
|------------------|---|
|                  | engineering, rigid body mechanics, solid and fluid mechanics, thermodynamics, heat transfer, engineering drawing.   |
| Job Description  | a) Carrying out research and development in the area of closed cycle cryocoolers involving design, fabrication, and testing of cooling devices (components and systems), under the supervision of CGU faculty,<br>b) Carrying out mathematical analysis and numerical modelling of closed cycle cryocoolers<br>c) Development of design software for cryogenic refrigerators using Python code and aesthetic GUI. |
| Age              | 35 years as on last date (Relaxation will be given for reserved category as per norms)  |
| Last Date & Time | <b>July 10, 2026 (midnight);</b> Delayed applications up to the sitting of the selection committee may be accepted only at the discretion of the PI.  |

How to Apply: Interested candidates shall fill the enclosed google form <https://forms.gle/A9DfYuc2R511GA118> and send by Email to [sachindrarout@cgu-odisha.ac.in](mailto:sachindrarout@cgu-odisha.ac.in) attaching a copy of detailed Bio-Data, and a single- page write up outlining his/her strengths to pursue research in the field of study given above on or before the last date i.e. 11:30 p.m. of Jul 10, 2026. Essential documents are: [Matric certificate for date of birth, B Tech degree certificate + Grade/ Mark sheet, M Tech degree certificate + grade/ Mark sheet, and any document in support of the desirable qualifications.

**The subject line of the mail should be “Application for JRF in ISRO sponsored project”.**

Eligible and shortlisted candidates will be called for the written test, interview, or both between 15<sup>th</sup> July. Shortlisted candidates for the further selection process will be notified through email only. Therefore, please mention active Mobile Number and Email ID in the application form. In case of any query, interested candidates can send email to PI at [sachindrarout@cgu-odisha.ac.in](mailto:sachindrarout@cgu-odisha.ac.in).

\* \* The initial appointment shall be till 31 st March 2027 which will be extended on yearly basis subject to satisfactory performance in each year, till validity of the project period or a total duration of 3 years whichever comes earlier. After successful completion of 2 years, candidate may be promoted to SRF (Senior Research Fellow) based on the performance and recommendation not a competent committee.



## GENERAL INFORMATION / DETAILS ABOUT THE FELLOWSHIP

1. The appointment is purely temporary and will terminate automatically without any notice or compensation on termination of the research project.
2. The appointed person shall have no claim of appointment/absorption in the funding Agency or in CGU Bhubaneswar.
3. The qualification prescribed should have been obtained from recognized Universities / Institutions.
4. The prescribed educational qualifications are the bare minimum and mere possession of the same does not entitle candidates to be called for an interview. Where the number of applications received in response to this advertisement is large, it will not be convenient or possible to interview all the candidates. Based on the recommendations of the Screening Committee, the PI may restrict the number of candidates for the interview to a reasonable limit after taking into consideration the qualifications and experience over and above the minimum prescribed in the advertisement. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field at the time of applying.
5. No TA/DA will be admissible for appearing for the interview.
6. Selected candidates will have to join duty immediately on receipt of the offer.
7. No interim enquiries/correspondence / communication of any sort will be entertained on the matter.
8. Canvassing in any form and / or bringing any influence, political, or otherwise, will be treated as a disqualification for the post applied for.
9. Candidates selected for this position must apply for the PhD or M Tech (by Research) programme of CGU, Bhubaneswar, subject to fulfillment of the eligibility criteria.
10. The selected candidate must use his own smartphone as well as desktop (preferred) or laptop computer for study, research, and communication in addition to any facility extended by the project or the university.
11. This advertisement has been put up with the approval of the concerned university authority.

Sachindra Kumar Rout  
Principal Investigator (PI)