



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



Ph D in Mechanical Engineering
JRF position available in sponsored Research Project

Applications are invited for a position of Junior Research Fellow (JRF) in a new research project sponsored by the All India Council for Technical Education (AICTE) in the field of Cryogenic engineering. [Prior knowledge of Cryogenic engineering is not required.]

Post	Junior Research Fellow (JRF)
Funding Agency	All India Council for Technical Education (AICTE)
RPS Application ID	RPS-1-5046106-2025-1618
Title of Project: Development of a mid-capacity G-M cryocooler, and around it, a laboratory- scale nitrogen-liquefier to support research in advanced computing, energy, medical, and space technologies	
<u>Principal Investigator (PI) and to-be Ph D guide:</u> Dr. Sachindra Kumar Rout, Associate Professor Department of Mechanical Engineering, CV Raman Global University, Bhubaneswar, Mahura, Janla, Bhubaneswar 752054 Email: sachindrarout@cgu-odisha.ac.in Phone No: 8895815648/ 8249635640	
Tenure of Project	3 Years. The position is temporary and coterminous with the project. Continuation of fellowship dependent on satisfactory academic performance at all stages.
Emoluments*	Rs 37,000/- per month (Consolidated)
Qualifications	a) Consistently good academic career b) M.Tech/ B.Tech or equivalent in Mechanical Engineering with Minimum 60% marks in aggregate or 6.5/10 CGPA) in both B Tech and M Tech. c) A good GATE/ NET score any time in career, and degrees from top institutes (top 100 institutions as per NIRF ranking) will get preference. d) M Tech in cryogenic engineering or in thermal engineering with project work done in the field of cryogenics or refrigeration engineering will be given preference. e) The applicant is expected to be proficient in engineering fundamentals – mathematics, physics, basic electrical and electronic



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	engineering, rigid body mechanics, solid and fluid mechanics, thermodynamics, heat transfer, and engineering drawing.
Job Description	a) Carrying out research and development in the area of closed cycle cryocoolers involving the design, fabrication, and testing of cooling devices (components and systems), under the supervision of CGU faculty, b) Carrying out mathematical analysis and numerical modelling of closed-cycle cryocoolers c) Development of design software for cryogenic refrigerators using Python code and aesthetic GUI.
Last Date & Time	Oct 10, 2026 (midnight); 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 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. 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 AICTE sponsored project”. Eligible and shortlisted candidates will be called for the written test, interview, or both between 10th and 17th Oct,2026. 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.	

* 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 of 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 can also apply for the PhD program 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 university authority concerned.

Sachindra Kumar Rout
Principal Investigator (PI)