



Ref No:

Date:09/08/2021

**Ph D 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 Board of Research in Nuclear Sciences (BRNS) in the field of Cryogenic engineering. [Prior knowledge of Cryogenic engineering is not required.]

Post	Junior Research Fellow (JRF)
Funding Agency	BOARD OF RESEARCH IN NUCLEAR SCIENCES (BRNS)
Sanction No	59/14/03/2021-BRNS/57032
Title of Project:	Development of complete and indigenous technology for large-cooling-capacity single-stage G-M cycle based cryorefrigerator for application to conduction-cooled high-Tc superconducting magnets and lab-scale liquid nitrogen generator.
Principal Investigator (PI) and to-be Ph D guide:	Dr. Sachindra Kumar Rout, Assistant Professor Department of Mechanical Engineering, CV Raman Global University, Bhubaneswar Mahura, Janla, Bhubaneswar 752054 Email: <a href="mailto:sachindrarout@cgu-odisha.ac.in">sachindrarout@cgu-odisha.ac.in</a> 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 31,000/- per month (Consolidated)
Qualifications	a) Consistently good academic career (a) Consistently good academic career (b) B.Tech in Mechanical Engineering with Minimum 60% marks in aggregate or 6.5/10 CGPA), or M Tech in any sub-discipline or Mechanical, production or aeronautical engineering with 6.5 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 engineering, rigid body mechanics, solid and fluid mechanics, thermodynamics, heat transfer, engineering drawing.
Job Description	a) Pursuing Ph D in C V Raman global university as a full time student working on the objectives of the sponsored project. [Please read the title of the project] b) Any other assignment from the Principal investigator of the project and Ph D guide(s)
Age	32 years as on last date (Relaxation of 5 years will be given for reserved category applicants)
Last Date & Time	August 26, 2021 ( midnight); Delayed applications up to the sitting of the selection committee may be accepted only at the discretion of the PI.
<p>How to Apply: Interested candidates shall fill the enclosed google form <a href="https://forms.gle/qCThHesbEK6Xg4sc9">https://forms.gle/qCThHesbEK6Xg4sc9</a> and send by Email to <a href="mailto:sachindrout@cgu-odisha.ac.in">sachindrout@cgu-odisha.ac.in</a> attaching 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. Copies of certificates and mark sheets need not be sent at this stage. <b>The subject line of the mail should be “Application for JRF in BRNS sponsored project.</b></p> <p>Eligible candidates will be called for written test or interview or both, in physical or video-conferencing mode. Shortlisted candidates for 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.</p>	

\* Subject to satisfactory attendance and academic performance at all stages. After successful completion of 2 years, candidate may be promoted to SRF (Senior Research Fellow) based on the performance and recommendation by appropriate committee.

\*\*No HRA will be given. However hostel accommodation will be provided as per the applicable rates/norms of the Institute.

#### 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 funding Agency or in CGU Bhubaneswar.



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



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 same does not entitle candidates to be called for interview. Where 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 will be mandatorily admitted to the PhD program of CGU Bhubaneswar; appointment letter will be issued only after ensuring eligibility of candidate for the Ph D programme of the university, for which a candidate may have to face a second test/ interview.
10. The selected candidate must use his own smart phone as well as desk top (preferred) or lap-top 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 approval of the concerned university authority.

Sachindra K Rout  
Principal Investigator (PI)