



**Call for Research Staff Position (JRF)**

Date: 23 July 2025

<b>About:</b> Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF) on the research project sponsored by the <b>Anusandhan National Research Foundation (ANRF)</b> . The position will be purely on contractual basis as per the following details:		
<b>Position</b>	Junior Research Fellow.	Number of Vacancy: 01
<b>Funding Agency</b>	Anusandhan National Research Foundation (ANRF)	
<b>Project Title</b>	Unravelling Ultra-Relativistic Symmetries: Connecting Horizons and Flat Bands	
<b>Principal Investigator</b>	Dr. Aritra Banerjee, Department of Physics, BITS Pilani, Pilani Campus	
<b>Project Tenure</b>	3 Years	
<b>Project/Job Description</b>	We are looking for a highly motivated candidate to work on the intersection of High Energy Physics/Gravity/QFT and condensed matter theory. We will be looking at systems having Carrollian (ultra-relativistic) symmetries and applications thereof. Carrollian physics is a fast advancing regime which unifies emergent symmetries in diverse physical systems, which were erstwhile not known to be connected in any form. The PI's group consists of fresh PhD students and undergraduates. There is, however, a young and vibrant Carroll physics community in India and abroad, and the candidate will have full exposure to collaborate with a large number of esteemed groups.	
<b>Qualification</b>	First class Master's Degree in Physics or Mathematics (or equivalent) from a recognized University (or equivalent) <b>+GATE/NET qualified</b> . Those who are not GATE/NET qualified shall be considered for the post lower than JRF as per Government of India norms. Candidate must have a solid background on Quantum Field Theory, General Relativity and optionally in Condensed Matter Theory. Candidates with prior research experience along these lines, and having familiarity with Mathematica/MATLAB will be given priority.	
<b>Upper Age Limit</b>	Preferably less than 30 years as on date of application submission.	
<b>Fellowship/Stipend</b>	37,000/- per month for NET/GATE qualified candidates. 30,000 per month for NON- NET/Non-GATE candidates	
<b>Registration for PhD</b>	Selected candidate may be permitted to register for the PhD program of BITS Pilani subject to fulfilling the requirements of the PhD qualification process as per the institute norms.	
<b>How to Apply</b>	<p><b>Email the following documents with subject line as ‘Application for JRF for ANRF Project’ to: <a href="mailto:aritra.banerjee@pilani.bits-pilani.ac.in">aritra.banerjee@pilani.bits-pilani.ac.in</a></b></p> <p>a. <b>CV</b> (Mention past education, technical skills, research experience, publications etc.)</p> <p>b. <b>Cover letter</b> and contact details of at least two academic referees.</p> <p>c. Copy of the NET/GATE/National-level exam score card (if applicable).</p>	

<b>Selection Process</b>	Candidates will be shortlisted based on their merit, experiences and as per the requirements of the project. Shortlisted candidates will be informed of the interview which will be conducted through online mode. <b>Only qualified and suitable candidates will be called for an interview.</b>
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**Application Deadline: 9<sup>th</sup> August 2025**

