



भारतीय प्रौद्योगिकी संस्थान रोपड़  
**INDIAN INSTITUTE OF TECHNOLOGY ROPAR**  
नंगल रोड ,रूपनगर, पंजाब-140001/ Nangal Road, Rupnagar, Punjab-140001

**Advertisement for JRF/SRF in SERB-CRG Project**

Applications are invited from Indian nationals to work as a **Junior/Senior Research Fellow** in a research project funded by Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India.

**Project title:** Some aspects of non-relativistic conformal field theory.

**Brief description of the project:** The project involves investigating non-relativistic systems in the unitary limit using the tools of quantum field theory. The project is theoretical in nature. The JRF/SRF will study and build theoretical models of practical importance that have unitary limit and investigate properties near the phase transition.

**Qualifications:** M.Sc. in Physics or equivalent or M. Tech. in relevant subject area with minimum 60% marks (or 6.5 CGPA) along with good academic credentials, and strong motivation for the research in the subject area. The candidate should have a valid CSIR-UGC (NET or JRF) or a valid GATE score. SC/ST candidates will get relaxation in the minimum marks as per the Government of India rules.

**Duration:** The position is temporary which will be renewed every year subject to the satisfactory performance. The position is extendable upto three years or till the completion of the project, whichever is earlier.

**Emoluments:** [Rs 37,000 + HRA, for JRF]/ [Rs 42,000 + HRA, for SRF] per month. Suitable accommodation on the campus may be provided based on availability.

**How to Apply?**

The applicant must send the following documents in a single PDF file to [rajesh.gupta@iitrpr.ac.in](mailto:rajesh.gupta@iitrpr.ac.in) (Dr. Rajesh Kumar Gupta) **on or before 6th March 2025** with the subject of the email as “Application for JRF/SRF position”.

- Filled application form in the attached format.
- A one-page cover letter describing the background and how it will help to pursue the project.
- Resume with complete qualifications, CGPA or % marks and experience details.
- Soft copy of all degree certificates (high school onwards) along with a proof indicating date of birth.
- Proof of GATE/NET qualification.

**The shortlisted candidates will be called for online/personal interview. No TA/DA will be given to candidates for attending the interview.**

**General Terms and conditions:**

1. Only shortlisted candidates will be contacted/informed through email.
2. The position is temporary which will be renewed every year subject to the satisfactory performance.
3. Candidate selected for this position may be considered for the regular PhD program provided he/she qualifies the eligibility criterion for PhD program at IIT Ropar.
4. If it is found at later date that any information given in the application is incorrect/false the candidature/appointment is liable to be cancelled/terminated.

For any further information, please contact the principal investigator:

Dr. Rajesh Kumar Gupta, Assistant Professor, Department of Physics,  
Indian Institute of Technology Ropar, Rupnagar, Punjab 140001.

Email: [rajesh.gupta@iitrpr.ac.in](mailto:rajesh.gupta@iitrpr.ac.in)

<https://www.iitrpr.ac.in/physics/p/research.html?cat=0&id=61>



## Application form for Junior Research Fellow (JRF) to work in the DST-SERB sponsored project

Recent Photograph

### Personal Details

Full Name (In capital)			
Date of Birth (DD/MM/YY)		Category (General/SC/ST/OBC)	
Age (in years)		Gender (Male/Female)	
Marital Status (Single/Married)		Nationality	
Address for Communication		Permanent Address	
Mobile/Phone No.		Email:	

### Details of School/University/Institute Studied (From Matriculation Onward)

S. No.	Degree	Discipline	University/Institute	Regular/Part-time	Year	%Marks /CGPA*	Division
1.							
2.							

3.							
4.							
5.							

*\*[Please also submit softcopy of the semester-wise mark-sheets as well as softcopy of degree]*

**Qualifying Examination (GATE/CSIR/UGC/LS-NET/Others)**

Qualifying Examination (& name of subject)	Branch	Year	Valid Up to	Percentile(& Score)	All India Rank

**Professional Experiences (Teaching/Research/Industrial) if any**

Name of Organization	Designation	Nature of Work	From	To

**Research Publication (if any):**

*[Also attached softcopy of conference/journals papers separately (if applicable)]*

**Awards, patents, prizes etc (if any):**

**Any other Relevant Information:**

**DECLARATION**

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If selected for admission, I promise to abide by the rules and discipline of the Institute. I note that the decision of the Institute is final in regard to selection for admission and assignment to a particular Department and field of study. The Institute shall have the right to expel me from the Institute at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. I agree that I shall abide by the decision of the Institute, which shall be final.

Place :.....

Date : .....

Signature of Applicant