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भारतीय  
प्रौद्योगिकी  
संस्थान  
काशी हिन्दू विश्वविद्यालय



INDIAN  
INSTITUTE OF  
TECHNOLOGY  
BANARAS HINDU UNIVERSITY

## DEPARTMENT OF PHYSICS

### Recruitment of Junior Research Fellow in the Department of Physics, Indian Institute of Technology (BHU) Varanasi – 221005

Applications are invited from Indian nationals for the post of Junior Research Fellow (JRF) at a fellowship of Rs. 37,000/ per month (fixed) for 1<sup>st</sup> two years and Rs. 42,000/- per month (fixed) for 3<sup>rd</sup> year in the project entitled “*Kinetics of Self-assembly and Structural Transitions in Complex Soft Material Across Multiple Length Scales*” sponsored by CRG (SERB), Government of India, New Delhi (sanction order No: CRG/2023/001311, dated 18.03.2024). This post is purely temporary and co-terminus with the project.

#### Essential eligibility:

- The upper age limit is 28 years as on 20 March 2024 (relaxation as per the GOI rules).
- The candidate must have M.Sc. in Physics/B.E. or B.Tech. or equivalent degree with 1<sup>st</sup> division with a valid NET/GATE score.

#### Desirable:

Prior experience in statistical physics/soft matter physics and numerical coding (simulation) in C/C++/Python/Fortran 90 is desirable. An understanding of carrying out molecular dynamics simulation on gas/fluid systems will be an added advantage.

Interested candidates should submit their application in the provided format, including self-attested scanned copies of all mark sheets, certificates, testimonials, and details of any research or other experiences, if applicable. Combine all documents into a single PDF file and email it to [awaneesh.phy@iitbhu.ac.in](mailto:awaneesh.phy@iitbhu.ac.in), with the subject line “Application for JRF position under CRG Project,” within 21 days of this advertisement.

The shortlisted candidates will be intimated by email.

No TA/DA will be paid if called for interview.

#### General Instructions:

1. The Principal Investigator (PI) has the discretion to restrict the number of candidates to be called for interview to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement.
2. Only shortlisted candidates will be communicated to appear in the interview and no other communications in this regard will be entertained.
3. Original certificates and self-attested copies of all certificates need to be presented before the interview for verification.
4. Venue of Interview: Department of Physics, IIT (BHU), Varanasi-221005.
5. Last date for receiving completed application is within 21 days of this advertisement.
6. Tentative date of interview: within one week of application deadline.
7. For further clarification, the candidate can discuss with the PI (Dr. Awaneesh Singh) Contact no: +91-9873071126, E-mail: [awaneesh.phy@iitbhu.ac.in](mailto:awaneesh.phy@iitbhu.ac.in)

Awaneesh Singh

**Dr. Awaneesh Singh (PI)**

Assistant Professor, Department of Physics

IIT (BHU) Varanasi – 221005, India

Email: [awaneesh.phy@iitbhu.ac.in](mailto:awaneesh.phy@iitbhu.ac.in)

Cell No.: +91-9873271126

Draft advertisement as per Institute Project Guidelines. Submitted for consideration and further approval. One position of JRF is sanctioned and vacant (37,000/- per month sanctioned) +HRA

3/21/2024

24/05/24

Dr. Ar (R&D)  
05/04

Dr. Ar (R&D)  
Approved Vign

# APPLICATION FOR JUNIOR RESEARCH FELLOW (JRF) POSITION

1. Full Name:

2. Date of Birth:

3. Sex: M/F

4. Category: GEN/SC/ST/OBC/EW

5. Marital Status: Y / N

6. Nationality:

7. Physically handicapped: Y / N

8. Names of Father and Mother:

9. Address of Correspondence (including phone number and e-mail address):

Paste recent  
passport size  
photograph

10. Academic Record:

a) GATE/CSIR/UGC or equivalent National Exam Qualification details with Percent marks/Rank, year of qualifying etc:

b) Qualifying Degree (starting from High School or equivalent):

| Examination with Specialization | Name of School, College, University/Institute, with city and state | Year of passing | Subjects | Percentage of marks/GPA obtained | Distinction/ Division |
|---------------------------------|--|-----------------|----------|----------------------------------|-----------------------|
|                                 |  |                 |          |                                  |                       |
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|                                 |  |                 |          |                                  |                       |

11. Details of the project carried out (if any) with duration, place of work, area worked on, mentor/guide's name, description of the project and contribution to the project (in not more than 5 sentences), and publication details (if any):

12. Working experience (if any):

13. Whether currently employed:

14. Time required to join this position:

15. Names and addresses of one referee along with phone number and e-mail address:

**Declaration:** I hereby declare that I have carefully read and understood the instructions and particulars on this application and that all entries in this form as well as in the attached sheets are true to the best of my knowledge and belief.

Date:

Signature

Place: