



भारतीय प्रौद्योगिकी संस्थान भिलाई

जिला-दुर्ग, छत्तीसगढ़-491001

Indian Institute of Technology, Bhilai

Dist.- Durg, Chhattisgarh - 491001

Website: [www.iitbhilai.ac.in](http://www.iitbhilai.ac.in)

**Advertisement for the Post of Junior Research Fellow (JRF) position in a STARS-MoE  
Funded Research Project**

Applications are invited from Indian nationals for the Junior Research Fellow (JRF) position in a STARS-MoE funded research project with the following details:

**Title of the project:**

Multifunctional nanorobots for targeted delivery and on-demand photo-thermal applications

**Number of Positions:** 01 (one)

**Principal Investigator:**

Dr. Dhruv Pratap Singh

Associate Professor

Department of Physics

Indian Institute of Technology (IIT) Bhilai

Durg, Bhilai, Chhattisgarh - 491001

Email: [dhruv@iitbhilai.ac.in](mailto:dhruv@iitbhilai.ac.in)

**Essential qualifications:**

Applicants must have ONE of the following in appropriate subject areas.

1. Master's degree (MSc) in Physics, Chemistry, or Biology with first class, 60% marks (55% marks for SC/ST) or equivalent.

The candidate must have qualified CSIR/UGC (JRF/NET/LS) / GATE exams with valid scores  
**OR** two years of Experience (after the qualifying degree) in the relevant area.

2. M.Tech in Mechanical Engineering, Biotechnology, Engineering Physics, or related areas, with a minimum 60% aggregate score (55% marks for SC/ST) or equivalent.

**Desirable:**

Preference will be given to candidates having working experience relevant to the project.

**Age limit:**

Not more than 35 years. Relaxation as per GoI rules.

**Fellowship:** for the first two years: Rs. 31,000/- per month + HRA

In the third year: Rs. 35,000/- per month + HRA



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**Duration:** Three years or till the completion of the project, whichever is earlier. The initial appointment of the JRF is for 11 months; subsequent renewal may take place subject to the annual performance review and the availability of the fund.

**How to apply:**

Eligible and interested candidates are encouraged to send their application as per the prescribed format on the website along with copies of all supporting documents and a resume **as a single PDF file through ONLY email to the PI ([dhruv@iitbhilai.ac.in](mailto:dhruv@iitbhilai.ac.in)) mentioning the subject as 'Application for JRF under STARS sponsored project' within March 25, 2025.**

**Due date:** The application must reach the PI, Dr. Dhruv Pratap Singh, by **March 25, 2025.**

**Interview:** The **online interview** will be on **March 31, 2025.**

**Note:** The candidate selected for this position can register for the Ph.D. program in the Physics department at IIT Bhilai. However, for admission to the Ph.D. program at IIT Bhilai, the candidate must meet Department (Physics) specific eligibility requirements and qualify for the admission exam.

**Terms and Conditions:**

- i) No TA/DA will be provided to the candidate for the online interview.
- ii) Mere fulfillment of the qualifications and experience requirement does not entitle the candidate to be called for an online interview. Based on the number of applications received, shortlisting may be done, and only shortlisted candidates will be called for the online interview and will be intimated through email.
- iii) The decision of the selection committee will be final.
- iv) The Institute reserves the right to cancel the recruitment without assigning any reason.
- v) The appointment of the candidate will be governed by the terms and conditions of the Institute/SERB that are particularly applicable to the said project as and when required.
- vi) The selected candidate will have to join the JRF position immediately upon receipt of the offer letter. The initial offer will be for one year and may be extendable up to three years, depending upon the availability of the funds.
- vii) The fellowship may be terminated with a 30-day notice before completion of the tenure if performance to date is not deemed satisfactory.



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**Application Form for the Junior Research Fellow (JRF) Recruitment in a STARS-MoE Funded Research Project at IIT Bhilai**

Personal Details			
Name			Paste a recent passport-size photograph here
Date of Birth (DD/MM/YY)		Gender Male/Female	
Marital Status		Category Gen/SC/ST/OBC	
Nationality			
Mailing address		Permanent Address	
Mobile/Phone number			
Email			
Aadhaar/Passport No.			



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Educational Qualifications (starting from matriculation)							
S. No.	Degree	Discipline	Univ./ College	Regular/ Part-time	Year of Passing	% of Marks/ CGPA/ CPI	Division

Qualifying Examinations (CSIR/NET/GATE/ Others)					
Examination	Branch	Year	Valid Up to	Percentile/score	All India Rank

Professional Experience (Research/Industrial/Teaching/Others)				
Name of Organization	Designation	Duration		Nature of work (attach separate sheet if necessary)
		From	To	



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**Research Publications (If any):** If needed a separate sheet can be attached.

**Awards, Patents, and Prizes (If any):** If needed a separate sheet can be attached.

**Any other relevant information (If any):** If needed a separate sheet can be attached.

### DECLARATION

I hereby declare that I have carefully read the instructions and particulars 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 will 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 will be final.

Place:

Date:

Signature of the applicant