



**INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT UNIT**

ADVERTISEMENT NO: R&D/1252/ISS/457

DATED: 04.04.2025

Project No: **R&D/SP/MME/ISS/2024-25/1252**

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

1. (a) Name of the temporary assignment : **Junior Research Fellow (JRF)**
- (b) Number of Post : **01**
- (c) Duration of the Post : **Initially 01 year and can be extended up to of 03 years subject to satisfactory performance.**

(Note: JRF may apply in PhD programme of MME Dept. of IIT Patna)

2. Name of the temporary research project : **In-situ/ex-situ electric field and temperature-dependent structural and microstructural study in piezoelectric Gd- CeO₂ thin films**
3. Name of the sponsoring Agency : **ANRF- IRG**
4. Consolidated Fellowship/Salary : **Rs. 37,000/- +HRA per month for first two years and Rs. 42,000/-+HRA per month for the third year (as applicable)**
5. Qualifications & Experience : **B.Tech./B.E./M.Sc./M.Tech/M.E/Equivalent degree in Engineering/Science/Technology with valid GATE score in any one of the following paper codes: MT, CH, ME, AE, PI, PH, CY, XE, BT, EE, EC, TF, MN, XL, CE, MA or NET qualified.**

The candidate desirably should have B.Tech./B.E./M.Sc./M.Tech/ME/Equivalent degree with a minimum CPI of **6.5** or **60 %** of marks. The upper age limit for applying for the JRF position shall be **28 years for B.Tech/B.E/MSc and 32 years for the M.Tech/M.E degree**. Relaxations for SC/ST/OBC/women/PD will be given as per the GOI rules.

Key responsibilities of a JRF include:

Research Work: Conduct literature reviews, experimental work, data collection, site visit, and data analysis as part of the research project. Project Assistance: Assist the PI in project planning, design, and execution. Data Interpretation: Analyse research data and interpret the results to draw meaningful conclusions.



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Report Writing: Prepare research reports, papers, and presentations to communicate findings and progress to the research team and stakeholders. **Continuous Learning:** Keep abreast of the latest developments and advancements in the field of research.

Collaboration: Collaborate with other researchers and team members to share knowledge and insights. **Compliance:** Ensure that research work is conducted in adherence to ethical guidelines and research protocols. **Professional Development:** Attend seminars, conferences, and workshops to enhance knowledge and research skills.

Interested and eligible persons may apply with up-to-date resume, showing educational qualification/marks obtained from 10th onwards with Gate/NET Score, experience (if any), publications (if any), and possible achievements.

Please send the resume and attached application form to the email ID: ajay.kalyani@iitp.ac.in by mentioning the subject line of the email as “**Application for JRF post under DST- IRG**”.

Last date of received application: **25th April, 2025**.

After the shortlisting, the candidates will be called for a **WALK-IN INTERVIEW (hybrid mode)**. No TA/DA is admissible for appearing in the interview.

For any query contact Investigator(s): **Dr. Ajay Kumar Kalyani, Dept. of Metallurgical and Materials Engineering, IIT Patna, Email: ajay.kalyani@iitp.ac.in, Tel.: +91 6115 233814**

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1. Associate Dean, R&D, IIT Patna
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FORMAT OF APPLICATION FOR Junior Research Fellow (JRF)

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/S T/PD)	DOB dd/ mm/yy	Professional Exam. (GATE/CSIR-NET, etc) & Validity
NAME IN CAPITAL Address: Phone: Email:			
Educational Qualification			
Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI
	10 th Class		
	12 th Class		
	Bachelors (B.Sc/B.Tech/B.E./BCA) or equivalent		
	Masters (M.Sc/M.Tech/M.E/MCA/ MA) or equivalent		

Qualifying degree	Degree/ major/Specialization
(B.Sc/B.Tech/B.E./BCA)	
(M.Sc/M.Tech/M.E/MA/MCA)	
Others	

Signature of applicant

Date:

Place: