



भारतीय प्रौद्योगिकी संस्थान रोपड़ INDIAN INSTITUTE OF TECHNOLOGY ROPAR

नंगल मागगा, रूपनगर, पंजाब-140001/ Nangal Road, Rupnagar, Punjab-140001

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Advertisement for Postdoctoral Position

Applications are invited from Indian Nationals for the **Post-Doc Fellow position (1)** under the mentorship of **Assistant Professor Dr. Lakhan Bainsla (PI) and Associate professor Dr. Rakesh Kumar (Co-PI)**, in the Department of Physics, Indian Institute of Technology Ropar. The candidate will work on the project entitled **“Energy-efficient Quantum Materials-based Magnetic Tunnel Junctions for Unconventional Computing Applications” funded by MeitY under Meity-NSF scheme**. Selected candidate will work in close collaboration with computational modeling group lead by Assistant professor Dr. Vivekanand Shukla (Co-PI). The candidate should have a strong background in the development of magnetic thin films and heterostructure, spin-orbit torque measurements and analysis, and basic understanding of quantum materials and their potential applications in spintronic technologies.

Post: Postdoctoral Fellow

Positions: 01

Duration: Initially for one year, extendable up to one additional year based on the performance or until the project's completion, whichever is earlier.

Emoluments: Fellowship Rs. 67000/- per month + 9% HRA per month.

Essential Qualifications: Ph.D. degree holders in Science or Engineering (or those having their thesis submission certificate), with expertise in experimental condensed matter physics. The applicant should have completed PhD within the past 5 years.

Upper Age Limit: Below 35 years on the last date of submission of the application (Relaxation as per funding agency norms).

How to Apply?

1. Completely filled application form (given on the following sheet)
2. Detailed CV (detailing prior research/industrial experience)
3. Overview of PhD/Postdoc work
4. List of publications/patents in a separate sheet
5. Copy of degree and certificates
6. Recommendation letter (from Supervisor/ Other mentors)

A single consolidated PDF file mentioning “Application for Postdoctoral Position, your name” in the subject of your email, and send the email to lakhan.bainsla@iitrpr.ac.in

Last date for receipt of application: 10th August, 2025

The short-listed candidates will be called for an online interview.

After the selection, the selected candidate needs to join immediately (within a few days) after receiving the offer letter by the Institute joining rules.

For any queries, write to **Dr. Lakhan Bainsla** at lakhan.bainsla@iitrpr.ac.in



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Application form for Post-doc fellow position

AREA OF RESEARCH:

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:



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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.							
6.							

Title of PhD Thesis

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Publications and Patents: (Please attach a separate list of publications and patents with full references)

- (a) No. of Papers (i) Published(ii) Accepted
(b) No. of Books published
(c) No. of patents: (i) Filed: (ii) Granted



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National level 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

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 with regard to selection for admission and assignment to a particular Department and field of study/research. 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



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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 the Applicant

List of Enclosures: (Please tick)

1. Proof of PhD Degree or thesis submission
2. CV
3. List of Publications
4. Research Proposal including specific timelines and deliverables, etc.
5. Recommendation letter (from Supervisor/ Other mentors)

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