भारतीय प्रौद्योगिकी संस्थान रोपड़
INDIAN INSTITUTE OF TECHNOLOGY ROPAR
नंगल मागग ,रूपनगर, पंजाब-140001/ Nangal Road, Rupnagar, Punjab-140001
दूरभाष/Tele: +91-1881-242108, फैक्स/Fax : +91-1881-223395

Advertisement for Postdoctoral Position

Applications are invited from Indian Nationals for the **Post-Doc Fellow position (1)** under the mentorship of **Dr. Rakesh Kumar**, Department of Physics at the Indian Institute of Technology Ropar and (2) **Prof. P. K. Muduli**, IIT Delhi. The candidate will work on the project entitled **"Energy-efficient Quantum Materials-based Magnetic Tunnel Junctions for Unconventional Computing Applications" funded by MeitY** under the MeitY-NSF scheme. The candidate should preferably have a background in the development of magnetic thin films and heterostructures, spin-orbit torque measurements and analysis, and a basic understanding of quantum materials and their potential applications in spintronic technologies. The advertised position is part of a prestigious MeitY–NSF joint project. The selected candidate will engage in close collaboration with leading national and international research groups involved in the project. This role offers an excellent platform to build strong professional networks, gain international exposure, and develop valuable leadership and collaborative research skills.

Post: Postdoctoral Fellow
Positions: 01
Duration: Initially for one year, extendable up to 1.0 year based on the performance or until the project's completion, whichever is earlier.
Emoluments: Fellowship Rs. 75000/- per month per month (consolidated).

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 rakesh@iitrpr.ac.in or muduli@physics.iitd.ac.in

Last date for receipt of application: 15th November, 2026

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. Vivekanand Shukla** at vivekanand.shukla@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 ……

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

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) ☐