



# NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

[An Institute of National Importance under Ministry of Education, Govt. of India]

Sector 1, Rourkela, Sundergarh Dist., Odisha 769 008

## SPONSORED RESEARCH INDUSTRIAL CONSULTANCY CONTINUING EDUCATION

NITR / SR / 2024 / Advt.- OA24PH22 / L / 097

dt. 12/12/2024 Ref: FTS 241211-0445

SR-R03

### Advertisement for Recruitment of Project Position

Candidates who fulfill the below mentioned criteria may submit the application form before the last date. Engagement will be purely on temporary / contractual basis and co-terminus with the completion of the project. Candidates are advised to go through the advertisement details carefully before applying.

1.	Title of the Project:	Exploring dynamical criticality and emergent phases in strongly correlated quantum systems		
2.	Project Code with Duration (Closing Date):	OA/24/PH/22	26/04/2029	
3.	Funding Agency Details:	DST-INSPIRE (Govt. of India), Ministry of Science and Technology, New Delhi -		
4.	Department / Centre:	Dept. of Physics and Astronomy		
5.	Name of the PI with details:	Prof. Shraddha Sharma sharmas@nitrkl.ac.in   shrdha1987@gmail.com 0661-246 2826   9555895233   -		
6.	Details of the Post(s):	7. Educational Qualification & Working Knowledge		
Junior Research Fellow (PhD)		<b>Essential Qualification (s):</b> 1. The candidate should have 1st division throughout the academic career with a valid NET/GATE score. 2. M.Sc./Integrated M.Sc. Physics with minimum 6.5 CGPA or 60% marks. 3. The candidate is required to have studied Mathematics and Physics at the Bachelor of Science (B.Sc.) level.		
[Name of the Post(s)]		<b>Desirable Qualification:</b> Knowledge of condensed matter theory, quantum phase transitions or quantum information and quantum computation.		
01 (One)	04 Year(s), 06 Month(s)	<b>Experience / Software / Skillset:</b> -NA-		
[No. of Post(s)]	(Tenure of Post)			
Year 1 & 2		<b>Job Description:</b> 1. Perform well in course-work and rest of the academic responsibilities as per the Department and Institute's requirements. 2. Explore dynamical quantum phase transitions in strongly correlated systems. 3. Probe quantum information theoretic measures to examine their impact on quantum circuits and models.		
INR 37,000.00 /- per month (+) HRA @ NA % (if applicable)				
Year 3 onwards (till complete of project)				
INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)				

Online Interview details: 02/01/2025 10.00 AM Department of Physics and Astronomy

Application link for eligible candidate(s): NIT Rourkela Homepage ⇒ FACULTY & STAFF ⇒ SRICCE ⇒ Career ⇒ Notices

The candidate(s) are required to send the complete filled and signed application (soft copy) with documents regarding educational qualification indicating percentage of marks / division (mark-sheets and / or certificates), research papers (if any), work experience certificate (if any) etc., This may be built as a single PDF file and sent by email with "Advertisement No." on the subject link to the above mentioned e-mail IDs. NO hard copies of application(s) are required to be sent to the Institute.

Last date for submitting the Application: 26/12/2024

The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications for that position. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project. Selection / Joining will be cancelled in case of any suppression of information / document submitted.

NIT Rourkela reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post. Only short-listed candidates will be informed for Online interview. In case, any clarification is required on eligibility regarding the above post, the candidate may contact in the above mentioned details.

#### Age Guideline:

The upper age limit for applying for the award of project position shall be 28 years, which is relaxed up to 5 years in the case of candidates belonging to Schedule Castes / Schedule Tribes / PWD and Female applicants whereas 3 years in the case of OBCs (Non-creamy layer candidates). Upper age limit shall be reckoned as on the last date of receipt of applications.

Any other terms & conditions governed as per guidelines issued by the funding agency for the engagement of above position as amended from time to time shall be in force towards this temporary recruitment.

Sd/-

Asst. / Dy. / Jt. Registrar (SR)

#### Copy to:

- PI : Prof. Shraddha Sharma , Dept. of CE
- Chairman, DRC, Dept. of CE
- Head of the Department / Centres / Units
- Dealing Seat (SR – Project Recruitment)
- Advertisement File

It is requested that the contents of the above advertisement be brought to the notice of the staff(s) / student(s) working in your Deptt. / Centre / Unit.

To publish advertisement at NITR website.