



# Indian Institute of Technology Jodhpur

## Office of Research and Development

Advt. No.: IITJ/R&D(Advt.)/2023-24/10

23 May 2023

### Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Sponsored Project at this Institute. The position is purely temporary, initially for a period of 01 years, and same extendable but co-terminus with the duration of the project, on contractual basis with consolidated pay. The requisite qualification, experience and others details are given below:

1.	Project No.	S/DST/HRA/20210107
2.	Project Title	Gate All Around Nanosheet Steep-Slope Transistors for Sub-2nm Technology Nodes: Physical Investigation, Compact Modeling and Device-Circuit Co-Optimization
3.	Name of the Project Investigator	Dr. Harshit Agarwal
4.	Duration for initial appointment	01 year
5.	Name of the Post	Junior Research Fellow
6.	Post	01
7.	Consolidate Pay	Rs. 31,000/-+HRA (As per funding agency norms)
8.	Minimum Qualification and Experience	<p><u>Eligibility:</u></p> <ol style="list-style-type: none"><li>1. Post Graduate Degree in Basic Science OR Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following:<ol style="list-style-type: none"><li>a. Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.</li><li>b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT. Ilsc, RISER etc.</li></ol></li></ol> <p><u>Desirable Qualification:</u> Knowledge of semiconductor devices/circuit design and programming, MTech in Microelectroncis/VLSI/Relevant domain.</p>
9.	Brief description of Project	This project explores the possibility of ferroelectric based nanosheet transistors for logic applications. It involves numerical simulations and compact modelling.

10.	Job Description	Candidate is expected to investigate GAA Nanosheet NCFET using TCAD simulations and modelling.
11.	Maximum Age	35 Years

The candidates possessing the requisite qualification and experience should apply through the ONLINE process up to **14 June 2023**. The candidates are advised to send a soft copy of the application with all relevant documents to [recruitment\\_rnd@iitj.ac.in](mailto:recruitment_rnd@iitj.ac.in) (*Please mention the advertisement number in the subject line of the email*). *No need to send a hard copy.*

### General Instructions to Applicant(s)

1.	The post(s) is purely temporary and contractual for a period of 01 Year, and extension based on satisfactory performance, but co-terminus with the duration of the project
2.	Application which is incomplete, not in prescribed format, without photograph or unsigned will be summarily rejected.
3.	Certificate in support of experience should be in proper format i.e. it should be on the organizations letter head, bear the date of issue, specific period of work, name and designation of the issuing authority along with his signature.
4.	Institute reserves the right to: a. Fix, modify or revise the eligibility conditions, age and selection criteria as per its requirements, at any time. b. Fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason. c. Place a reasonable limit on the total number of candidates to be called for the Written Test and/or Skill Test, Interview.
5.	The Institute shall verify the antecedents or documents submitted by a candidate at the time of appointment or during the tenure of the service. In case, it is detected that the documents submitted by the candidates are fake or the candidate has a clandestine antecedents/background and has suppressed the said information, then his/her services shall be terminated.
6.	Higher initial pay may be given to exceptionally qualified/ deserving candidate.
7.	No TA/DA shall be paid to the candidates for attending the interview.
8.	No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.
9.	Canvassing in any form will be a disqualification.
10.	No interim correspondence will be entertained.
11.	No need to send hard copy.

Officer In-charge  
Research & Development