



# Indian Institute of Technology Jodhpur

## Office of Research and Development

Advt. No.: IITJ/R&D(Advt.)/2024-25/114

31 March 2025

### Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Sponsored Research Project at this Institute. The position is purely temporary, initially for a period of 11 Months or last date of the project whichever is earlier, and same extendable but co-terminus with the duration of the project, on a contractual basis with consolidated pay. The requisite qualifications, experience and other details are given below:

|     |                                      |   |
|-----|--------------------------------------|---|
| 1.  | Project No.                          | S/SERB/SD/20220151  |
| 2.  | Project Title                        | Electronic Nose System based Asthma detection through Exhaled Breath  |
| 3.  | Name of the Project Investigator     | Dr. Saakshi Dhanekar  |
| 4.  | Duration for initial appointment     | 11 Months or last date of the project whichever is earlier  |
| 5.  | Name of the Post                     | Project Associate - I   |
| 6.  | Post                                 | 01  |
| 7.  | Consolidate Pay                      | Rs. 31,000/- to Scholars who are selected through<br>(a) National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or<br>(b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.<br><br>Rs. 25,000/- for others who do not fall under (a) & (b). |
| 8.  | Minimum Qualification and Experience | <u>Eligibility:</u><br>Master's Degree in Natural or Agricultural Sciences/ MVSc or Bachelor's Degree in Engineering or Technology or Medicine from a recognized University or equivalent<br><br><u>Desirable Qualification:</u><br>Experience in simulation (COMSOL or ANSYS), fabrication processes, device development, sensor testing.                                    |
| 09. | Job Description                      | Fabricate/select and test sensors for breath analysis Perform simulation studies for gas flow Apply data analytics on the sensor data.  |
| 10. | Brief description of Project         | Select/develop sensors to be used for detecting biomarkers for asthma detection in breath. Use  |

|     |             |   |
|-----|-------------|---|
|     |             | simulation studies to understand the gas flow dynamics. Develop the sensor array and build a system for breath based detection. Apply signal processing and data analytics techniques for data classification and prediction respectively                             |
| 11. | Maximum Age | 35 Years  |
| 12. | Age Bar     | Age will be calculated on the closing date of the online submission of the application. Relaxation in age for the category candidates only would be admissible as per Central Government Rules. Also kindly enclose the Caste Certificate along with the application. |

The candidates possessing the requisite qualification and experience should apply through the **ONLINE process** up to **14 April 2025**.

**It is mandatory to send the 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). **Without documents, your application will not be considered.** There is no need to send the hard copy.

#### General Instructions to Applicant(s)

|     |   |
|-----|---|
| 1.  | The post(s) is purely temporary and contractual for a period of 11 months or last date of the project whichever is earlier 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:<br>a. Fix, modify or revise the eligibility conditions, age and selection criteria as per its requirements, at any time.<br>b. Fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason.<br>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