



DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY
(Deemed to be University U/s 3 of UGC Act, 1956)
Department of Defence Research & Development
Ministry of Defence, Govt. of India
Girinagar, Pune - 411 025



ADVT. No. 14-2026/RA/DIAT

RA RECRUITMENT- CALL FOR APPLICATION

1. The Department of Applied Physics of this Institute is looking for young Scientists/Engineers for the position of **Research Associate (RA)** to work under the sponsored research project titled “**Olfaction-Inspired Sensing System for Pattern-Based Ketosis Detection in Human Breath**”. Details/eligibility conditions for selection are given hereunder: -

Sr. No.	Name of Post	No. of Post	Educational Qualifications required	Upper Age-Limit	Monthly Stipend Payable	Tenure
1.	Research Associate-1	01	Essential: PhD in Physics from recognized University Desirable: Candidate with experience in electronics nose (E-Nose) systems olfactory sensing, pattern recognition, machine learning, signal processing, or sensor data analysis will be preferred. Familiarity with embedded systems, Python/MATLAB, and gas sensor characterization is desirable.	Not to exceed 35 Years. (*)	₹58,000/- + HRA 30%	The position is purely temporary for 03 year or Continuous with the project, whichever is earlier.
2.	Research Associate-2	01	Essential: PhD in Computational Neuroscience, Physics, Applied Mathematics, Electrical/ Computer Engineering, or a closely related field. Desirable: - Strong background in dynamical systems and/ or theoretical/ computational neuroscience (spiking neural networks, neural coding, network models of sensory systems). - Demonstrated programming proficiency (python required; experience Matlab and with such as NEURON, Brian2, TensorFlow/ PyTorch). - Familiar with machine learning approaches for classification/ pattern recognition, and ability to bridge biologically-inspired models with practical signal processing pipelines.	Not to exceed 35 Years. (*)	₹58,000/- + HRA 30%	

Note:

- (*) 'The crucial date' for determining the upper age limit is **24th July 2026**. Upper age-limit is relaxable up to 05 years for SC/ST, Women & PwBD and 03 years for OBC (NCL) candidates.
- In addition to the monthly stipend, medical facilities limited to MI Room facilities shall be extended.
- Mode of interview will be “in-person” or “via video conferencing,” whichever is suitable to DIAT and shall be intimated to the shortlisted candidates.

2. **How to Apply:** A Brief bio-data duly signed, Application form (available on the website), Proof of Date of Birth, BE./B.Tech M.E/M.Tech mark sheets and degree certificates may be sent to the email ID of the Principal Investigator (suwarnadatar@diat.ac.in) in PDF form as a single file, with a subject titled “**Application for Research Associate (RA)**” on or before 24th July, 2026.

3. Based on the suitability for the project, the applicants will be called for an interview (in person or via video conference). The shortlisted (for the interview) candidate will be individually informed via email. No TA/DA will be paid for attending the interview.

4. Candidates must bring their original application with all necessary educational and other supporting documents/project reports/publications etc., along with 1 (one) set of self-attested copies of each, at the time of the interview.

5. **Other Terms & Conditions: -**

- a) Offer of **Research Associate (RA)** position does not confer any right for absorption in DIAT (DU), Pune.
- b) The qualification prescribed/ experience gained should have been obtained from recognized Universities / Institutions/Industries.
- c) The prescribed educational qualifications are the bare minimum and mere possession of them does not entitle the candidates to be considered at every stage of the selection process. In case of a large number of applications, based on the recommendations of the Screening Committee, the Principal Investigator may restrict the number of candidates to be called for the interview to a reasonable limit after taking, the qualifications and experience over and above the minimum prescribed in the advertisement, into consideration. Therefore, it is the interest of the candidates, to mention all the qualifications and experience in the application clearly with supporting documents.
- d) **Selected candidate is required to join duty immediately on receipt of the offer letter.**

6. For further details/clarification, please contact **Dr. Suwarna Datar, PI**, Department of Applied Physics on Telephone No. (020) 2460 4494 or Mob.: +91 9011024935.
