



ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), BHOPAL

Saket Nagar, Bhopal-462020 (Madhya Pradesh) India

Website : www.aiimsbhopal.edu.in

Advertisement No: AIIMS Bhopal/TMC/2025/2060

Dated: 26/06/2025

**Advertisement for Written Test/Interview for contractual post in a research project
funded by ICMR Adhoc Project Grant**

Applications are invited from highly motivated Indian nationals for the position of **Senior Research Fellow (1)** in a research project funded by **ICMR Adhoc Project Grant** purely on temporary basis with following details:

Title of the project: *Development of a Home-Based Sleep Monitoring Device for the Screening of Obstructive Sleep Apnea Using Wearable Sensors and Mobile Technology*

Principal Investigator: **Dr. Syrpailyne Wankhar, Associate Professor**, Department of Translational Medicine, AIIMS Bhopal, E-mail: project.recruit.sw@gmail.com

Name of the Post	Senior Research Fellow
Number of Post	One (01)
Essential Qualifications	Graduate Degree (B.Tech)/Postgraduate Degree (M.Tech) in Biomedical Engineering/Computer Science Engineering/Instrumentation/Electrical and Electronics Engineering/Mechanical Engineering/Engineering Physics/ Mathematics and Computing/Biological Sciences and Bio-Engineering/Medical Devices/Electronics and Communication Engineering/Information Technology/Biotechnology/Bioinformatics/ Applied Physics/Sensor Technology/Embedded Systems/Signal Processing/Data Science and Engineering/Artificial Intelligence and Machine Learning/Robotics Engineering/Mechatronics/Bioengineering/ Health Informatics/Medical Informatics/Clinical Engineering with a minimum of 60% marks or equivalent. <i>The applicants should have 2 years of research experience and qualified National Eligibility Tests - CSIR-UGC, NET, including lectureship (Assistant Professorship) and GATE or qualified National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MOE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.as per Circular No. 16/139/2014-Admn.II, Dated 25/10/2023.</i> https://www.icmr.gov.in/icmrobject/uploads/ProjectStaff/1727077107_general_circular26102023.pdf
Desirable	Hands-on experience in hardware and software development, including PCB design and mobile app development, complemented by a

	foundational understanding of sleep physiology, respiratory monitoring systems, and expertise in AI/machine learning for biomedical signal processing and sleep disorder detection.
Consolidated Salary	Rs 42000/- per month + 20% HRA (Rs 8400/-) = Rs. 50400/- per month
Age limit	Below 35 years (as on the last date of application). Age relaxation for SC/ST/OBC candidates will be applicable as per rule. Age relaxation may be given to deserving candidates by Competent Selection Committee.
Tenure	1 Year or the duration of the project, whichever is earlier
Job Description	<ol style="list-style-type: none"> 1. Design and develop wearable sensor hardware including PCB layout for sleep monitoring parameters (respiratory patterns, heart rate variability, body position, oxygen saturation). 2. Develop and maintain mobile applications for real-time data collection, patient interface, and sleep quality assessment. 3. Implement AI/ML algorithms for automated detection and screening of obstructive sleep apnea from multi-sensor data. 4. Conduct signal processing and feature extraction from physiological sensors for sleep stage classification and apnea event detection. 5. Assist in procurement of specialized sensors, microcontrollers, and sleep monitoring equipment. 6. Validate device performance through clinical testing protocols and data analysis. 7. Presentation of research findings at biomedical engineering and sleep medicine conferences. 8. Prepare technical documentation, research manuscripts, and patent applications related to the sleep monitoring device. 9. Collaborate with clinical partners for device validation and user experience optimization. 10. Any other research and development duties assigned by PI/Co-I related to the sleep monitoring project.
Application Fee	NIL

How to apply?

Interested candidates have to send scanned copy of duly filled application form (which can be downloaded from https://aiimsbhopal.edu.in/index_controller/career#SHTM) to email project.recruit.sw@gmail.com latest by **11th July 2025 (Friday)**. No hard copy or print needs to be sent. No TA/DA will be paid for attending the written examination/interview.

Date and Time of Written Test/ Interview:

Depending upon number of applications received and the post applied for, the candidates will be shortlisted for Interview or written test/skill test followed by Interview. **All shortlisted candidates shall report for written test and/interview on 18th July 2025 (Friday) no later than 09:30 AM.** The venue is Ground Floor, Savitri Bai Phule Bhavan (Nursing College Building), All India Institute of Medical Sciences Bhopal, Saket Nagar, Bhopal-462020, Madhya Pradesh.

When called, the candidates shall report for appearing in the written test and/interview with:

1. Duly Filled Application Form
2. Covering letter and detailed Curriculum Vitae (CV) along with passport size photographs (2).
3. Self-attested photocopies of proof of date of birth (class 10th certificate/ school leaving certificate, qualified National Eligibility Tests certificates/scores, eligibility qualification, mark-sheets, degrees, experience certificate, caste certificate, qualifying degree registration with statutory council (if applicable) and other relevant testimonials which the candidate may wish to bring to the knowledge of the selection committee.

TERMS & CONDITIONS

1. It is candidates' responsibility to ascertain and ensure their eligibility as per the prescribed qualification and experience. Any misinformation detected at any stage will make the candidate liable for legal action. Permission to appear in the selection process does not approve the eligibility of the candidate. Even after qualifying the selection process the candidate may be rendered disqualified at the time of document verification if he/ she does not fulfil essential eligibility criteria.
2. **Age concession:** Age relaxation for SC/ST/OBC candidates, Retrenched Government Employees, Departmental candidates (including projects), and ex- servicemen in accordance with the instructions issued by the central Government from time to time will be applicable as per rule. Age concession to the extent of service is rendered in the research projects will also be admissible for experienced and skilled persons as per the competent selection committee. The effective date of fulfilling eligibility criteria (including qualifications and experience. Etc.), upper age limit will be the date of walk-in/ written examination.
3. **Tenure:** The assignment will be governed as per the rules / instructions received from the competent authority from time to time. This appointment will not vest any right to claim by the candidate for regular appointment or permanent absorption in AIIMS Bhopal or for continued contractual appointment.
4. **Expiry of Contract:** The contractual appointment can be terminated at any time by either side by giving 30 days' notice or salary in lieu thereof.
5. **Leave:** The leave entitlement of the appointee shall be governed in terms of the leave policy governing extramural research projects as amended from time to time.
6. **Accommodation:** No hostel or any other accommodation will be provided by the Institute / Principal Investigator.
7. The candidate who is already in government service shall submit 'No Objection Certificate' from the present employer at the time of the Interview
8. The prescribed qualification is minimum and mere possessing the same does not entitle any candidate for selection.
9. The candidate should bring along original certificates in support of his/her age, educational/ professional qualification, experience etc., two recent passport size colour photographs and a one set of self-attested photocopies of the relevant documents failing which he/she will not be allowed to participate in the written test.
10. The candidate applying in response to this advertisement should satisfy themselves regarding their eligibility in all respects.
11. No travelling or other allowances will be paid to the candidate for appearing in written examination or for joining the post.
12. Canvassing of any kind will lead to disqualification.
13. Private practice of any type is prohibited.
14. He/She can be posted at any place as per the requirement of the project including rural areas /field sites.
15. He/She is expected to conform to the rules of conduct and discipline as applicable to the institute employees.

16. The decision of the competent authority regarding the selection of the candidate will be final and no representation will be entertained in this regard.
17. The candidate should not have been convicted by any Court of Law.
18. In case any information given or declaration by the candidate is found to be false if the candidate has willfully suppressed any material information relevant to his appointment, he/she will be liable to be removed from the service and any action taken as deemed fit by the appointing authority.
19. Incomplete applications in any aspect will be summarily rejected.
20. The Competent Authority reserves the right of any amendment, cancellation and changes to this advertisement as a whole or in part without assigning any reason or giving notice.
21. All information/updates pertaining to this advertisement including date of Interview, result, joining etc., will be displayed on the AIIMS Bhopal website which is www.aiimsbhopal.edu.in
22. It will be the responsibility of applicants to keep abreast of the developments regarding the written/interview/change in date of the exam/result etc. by visiting institute website regularly.
23. All disputes will be subject to jurisdictions of Court of Law at Bhopal.

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