



राजस्थान केन्द्रीय विश्वविद्यालय
CENTRAL UNIVERSITY OF RAJASTHAN



ADV. NO: CURAJ/BIOMED/SC/ANRF /01

Dated: 21/07/2026

Applications are invited from interested and motivated candidates for the following assignment in a purely time-bound research project undertaken in the Department of Biomedical Engineering of the Central University of Rajasthan.

1	Name of the Temporary Post	Junior Research Fellow – 01
2	Name of the Sponsoring Agency	ANRF-ARG, Government of India
3	Title of the Research Project	Utilizing Point-of-Use Embedded Systems for the Detection of Fluorides, Calcium, and Heavy Metals in Healthcare-Related Disease Diagnostics.
4	Tenure of the Assignment	01 Year (further extendable based on the performance)
5	Job Description	To carry out the experiments related to environmental analyte detection using fluorescence and UV-Vis Spectrophotometer by making specific biosensors. Also, to build a point-of-care embedded based device for portable applications having low cost.
6	Consolidated monthly compensation / Fellowship	Rs. 37000 + HRA (as per ANRF rules)
7	Essential Qualifications	• M.Tech.or M.E. or equivalent degree in Biomedical Engineering, Electronics & Communication, Electrical Engineering, Instrumentation, or related fields. - OR Four-year bachelor's degree OR five-year integrated degree in Biomedical Engineering, Electronics & Communication, Electrical Engineering, Instrumentation, or related fields. OR five-year integrated degree in PG in Biotechnology, Biochemistry, Environmental Sciences/ and allied field with a minimum of 60% marks. • Candidates must have a valid NET-JRF/GATE/NET.
8	Desirable Qualifications/ Experiences	• Strong academic background in sensors, embedded systems, or biomedical instrumentation. • Experience with embedded systems development (Arduino, Raspberry Pi, ESP32, or similar platforms). • Knowledge of sensor interfacing for chemical/biomedical sensing. • Familiarity with IoT-based data acquisition and wireless communication (Bluetooth, Wi-Fi, LoRa). • Basic understanding of signal conditioning, analog/digital electronics, and PCB design. • Programming skills in C/C++, Python, or MATLAB. • Understanding of water quality monitoring, biosensors, or electrochemical sensing. • Basic knowledge of healthcare diagnostics related to fluoride, calcium, and heavy metal exposure. • Awareness of calibration methods and validation protocols for sensors.
9	Accommodation	Accommodation in the University hostel may be provided subject to availability.

For technical information on the project, the candidate may contact the Principal Investigator (PI) of the project, **Dr. Sandeep Choudhary** (Sandeep.choudhary@curaj.ac.in), 9893135156 Department of Biomedical Engineering, Central University of Rajasthan.

Eligible and interested candidates must

1) Send their complete bio-data and copies of the certificates/documents (10th, marksheet, 12th marksheet, UG marksheet, PG marksheet (if available), GATE/NET score card (if available)) as a single PDF file via email to the PI of the project on or before **05/08/2026 5PM**. The subject of the email should be: “Application for the position of JRF under ANRF Project”.

2) Selected candidates will be called for an interview at the department of Biomedical Engineering, Central University of Rajasthan, which can be in **Offline/Online** mode, the date of which will be informed to the selected candidates. No TA/DA will be paid for attending the interview.

3) The tenure of the selected candidate will be initially for one year. This can be further extended to one year based on satisfactory performance.

Candidates may please note the following:

1. The project team will have the right to put any screening criteria in case large numbers of applications are received.
2. The committee also reserves the right not to select any candidate/offer a lower post in case candidates are not found suitable for the applied post.
3. Candidates will be shortlisted for the interview based on merit.
4. Shortlisted candidates will be informed only by e-mail/Mobile. No separate letter will be issued for the interview. Candidates should appear for the interview along with their original certificates, documents.
5. No TA/DA will be provided to the candidates for attending the interview. Calling for interviewing is not a guarantee for selection.
6. No communications will be entertained for being called/ not- called and/or selected/ not selected for the advertised position.

For any other information/clarifications, the applicants may contact the Principal Investigator:

Address:

Dr Sandeep Choudhary
Assistant Professor
Department of Biomedical Engineering
Central University of Rajasthan 305817, Ajmer, Rajasthan, INDIA



Dr. Sandeep Choudhary (PI)