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Advertisement for Project Research Scientist-II (Non-medical) position

Applications are invited from eligible candidates for the position of Project Research Scientist-II (Non-medical) in an Indian Council of Medical Research (ICMR) funded research project entitled "Design and development of Internet of Medical Things and AI-based mental health alert system with smartphone application using Ear-Electroencephalogram waves and Photoplethysmography vital physiological measurements".

Objectives of the projects:

The main purpose of the project is to develop AI-based data-driven multimodal system for the classification of mental health disorders using ear-based electroencephalogram (ear-EEG) and vital physiological measurements with electronic health records. This project work requires knowledge of signal processing, machine learning, biomedical signal acquisition, internet of things (IoT), embedded system, programming (MATLAB, and Python etc.), and application development for smart devices. The project will be jointly investigated with Prof. Bhabesh Deka (Tezpur University, Assam) and Dr. Siddeswara Bargur Linganna (LGB Regional Institute of Mental Health, Assam).

Job role and skill requirements:

- Developing signal processing and machine learning algorithms
- MATLAB and Python programming
- Developing Internet-of-Things-based hardware for remote health monitoring
- Development of application for smart devices

Eligibility criteria:

First Class Post Graduate degree, including the integrated PG degrees with three years of relevant experience or Ph.D.

OR

Second Class Post Graduate degree, including the integrated PG degrees with Ph.D. and three years experience.

Fellowship:

Rs. 67000 p.m. + HRA (as per norms)

Appointment duration: 1 year (can be extendable up to three years subject to satisfactory performance).

Number of positions: 01.

How to apply: The applicants can send their recent resume (mention email address and contact number), copies of all academic certificates to the following email address: pachori@iiti.ac.in. In the subject line please specify "Application for Project Research Scientist-II (Non-medical) position in ICMR project".

- Shortlisted candidates will be called for interview and will be informed by email only.
- Last date for application is 5th March, 2025.

Address for correspondence: Prof. Ram Bilas Pachori, Department of Electrical Engineering, IIT Indore.

Successful candidate can also be considered for admission to Ph.D. Programme as regular full-time scholar.