



26 February 2024

Notification for Recruitment of Senior Research Fellow, Electrical Engineering

Project funded by ICMR

Ref: IITPKD/2024/015/EE/MSM

- **Project Objective:** Design and development of affordable wearable intelligent IoT-enabled vital signs monitoring system for health and wellness monitoring and management of individual and community health services. The proposed monitor can be capable of measuring physiological parameters such as pulse rate (PR), blood oxygen saturation (SpO₂), respiration rate (RR), blood pressure (BP), body temperature (BT), PRV/ HRV parameters, and physical activities, and can transfer essential health parameters to the cloud-based personal health monitoring systems and also notify the physicians or clinicians for providing timely treatment or care.
- **Research Area:** Signal Processing, Machine Learning, IoT and Embedded System
- **Required Skills:**
 - Signal Processing and Machine Learning Algorithms
 - MATLAB, Arduino and Python Programming
 - Wireless Sensor and Processor Interfacing
- **Eligibility:**
 - ME/ MTech/ MS Degree in BME/ ECE/ CSE/ EE/ EIE/ DS/ IT (with major specialization of Biomedical Engineering/ Signal Processing/ Machine Learning/ Wireless Communication/IoT) (or) BE/ BTech Degree in BME/ ECE/ CSE/ EE/ EIE/ DS/ IT with 2 years of research, teaching, and design and development experience in the research areas of this project.
 - Candidate with GATE Score (or) Experience in Government Funded Project.
- **Age:** Candidates who are not exceeding 35 years of age, as on the closing date of application, with relaxation to candidates belonging to OBC/ SC/ ST/ PWD categories and women applicants as per Government of India norms.
- **Appointment Duration:** 3 Months
- **No. of Positions:** One
- **Salary Particulars:** The monthly remuneration for this position will be Rs. 35,000/- (Thirty-Five Thousand Rupees Only). Hostel accommodation may be provided at the institute based on availability on a chargeable basis. In case of non-availability of institute hostel, admissible HRA will be provided as per Government of India rules.

- **Deadline for application:** 04 March 2024 (Monday)
- **Additional Information:**
 - This project involves field visit and data collection.
 - The appointment for the above contractual position will be initially for 03 (three) months, which can be further extended subject to satisfactory performance, availability of funds and requirement in the project.
 - The minimum qualification or/and experience is/are mandatory for shortlisting. IIT Palakkad reserves the right to screen and shortlist candidates by introducing higher benchmarks.

Candidates satisfying the required skills may send their resumes and certificates pertaining to educational qualifications starting from class X (in a single PDF) to “**msm@iitpkd.ac.in**”. The subject of the application e-mail should be “Application for Senior Research Fellow - **IITPKD/2024/015/EE/MSM**”. The candidate is expected to join immediately after receiving the offer letter.
