



NOTICES

Walk in Interview – Post of Research Assistant | Faculty of Engineering

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FACULTY OF ENGINEERING
UNIVERSITY OF JAFFNA, SRI LANKA
Walk – IN – INTERVIEW

Walk in Interview for appointment to the following post will be held on 06.05.2026 from 9:30 am to 12:00 pm at the board room, Faculty of Engineering, University of Jaffna, Ariviyal Nagar, Kilinochchi.

➤ **Post of Research Assistant.**

The Research Assistant under the supervision of the Principal Investigator will be responsible for:

- Embedded Systems & Firmware
 - Develop and optimise firmware for real-time data acquisition and transmission.
 - Implement communication protocols (Wi-Fi and Bluetooth) for device connectivity.
- RPM Measurement Module
 - Design and implement a wireless RPM sensing module for vehicle integration.
 - Ensure accurate synchronisation between RPM and emission data.
- Software & Cloud Integration
 - Assist in developing cloud-based dashboards for real-time monitoring and analytics.
 - Support API development for data access and integration.
- Testing and Calibration
 - Participate in laboratory calibration using standard gases.
 - Conduct field testing on multiple vehicle types to validate system performance.
- Prototype Development
 - Support fabrication, assembly, and optimisation of the portable device.
 - Ensure durability and usability under real-world conditions.
- Documentation and Reporting
 - Maintain technical documentation, experimental records, and reports.
 - Assist in the preparation of publications, reports, and presentations
- Other Duties
 - Perform any additional tasks assigned by the Principal Investigator related to the project.

Required qualifications

The required qualifications and experience are as follows:

- Bachelor's degree in Electrical/Electronic Engineering, Mechanical Engineering, Mechatronics, or related field (recognised by the UGC)
- MPhil degree or reading MPhil or any Research degree in Electrical/Electronic Engineering, Mechanical Engineering, Mechatronics, or a related field (recognised by the UGC) will be given preference.

Technical Requirements:

- Knowledge of embedded systems and microcontrollers (e.g., STM32, ESP32)
- Familiarity with sensor integration and IoT systems
- Basic experience in data analysis, cloud platforms, or web dashboards is an added advantage
- Experience in hardware prototyping or automotive systems is an added advantage
- High level of proficiency in written and spoken English
- Strong problem-solving skills and analytical thinking
- Ability to work independently as well as collaboratively in a multidisciplinary research team
- Effective communication skills to engage with technical and non-technical stakeholders
- Ability to manage tasks, meet deadlines, and contribute to project deliverables efficiently
- Demonstrated ability to build trust and cooperation within a team environment

Terms and Conditions:

1. This is a full-time position. Initially, the **contract** appointment shall be for 3 months. The position will be renewed for 9 months, subject to performance.
 2. The monthly salary is based on NSF-approved rates.
 - A candidate with an MPhil (or higher qualification) will be paid Rs. 100,000 per month.
 - Candidates with Bachelor's or Master's qualifications will be compensated at NSF-approved rates (typically Rs. 60,000– 70,000 per month, depending on merit and class).
 3. Payment will be based on attendance and performance evaluation
 4. No EPF/ETF or additional allowances will be applicable
 5. Travel and accommodation expenses for the work-related visits to meet stakeholders will be reimbursed. The researcher should obtain prior written approval for those visits and costs.
- Candidates are requested to appear with relevant certificates, NIC and Curriculum Vitae.

Registrar