**Vacancy**

**Research Assistant Position**

**Air Pollution Monitoring and Modeling in Sri Lanka**

Air pollution is a growing global threat to human health, the environment, and economies. The primary pollutant impacting the region is fine particulate matter, PM2.5, which has a number of sources, including vehicles, fossil fuel combustion, biomass burning, trash/refuse burning, brick kilns, and other industrial sources. Air pollution, particularly PM2.5, across much of South Asia, including Sri Lanka, is at extremely unhealthy levels.

The planned research project is part of a large international project. The Sri Lankan part of the project will contribute to monitoring air pollution in urban and rural areas using low-cost sensor technology.

We are looking for a research assistant (not leading to a degree) with prior experience in air pollution monitoring and modeling using small sensor technology.

**Qualifications**

**Undergraduate qualifications:** A special degree (4 years) with a second class or upper specialization in the field of statistics/environmental science/computer programming is eligible to apply for this position.

**Postgraduate qualifications:** Postgraduate qualifications related to air pollution monitoring and modeling will be an added qualification.

**Required:** We are looking for students with strong at Machine Learning, especially in deep learning, Python & R programming, and good computer and data analysis skills. Prior experience in fieldwork related to air pollution monitoring will be an added qualification.

**Other Requirements:** Applicant should have the flexibility to conduct field research in different parts of Sri Lanka.

**Salary**

Basic salary Rs. 110,000.00 (8% will be deducted from the employee for EPF)

Employees’ Provident Fund 12% (by employer)

Employees’ Trust Fund 3% (by employer)

Number of positions available: 02

Duration: 01 year with possible extensions

Location of work: University of Peradeniya Faculty of Allied Health Sciences and Faculty of Engineering

Please email your **CV and a cover letter** to gayan.bowatte@ahs.pdn.ac.lk on or before 25th February 2023. Please indicate “Research Assistant Position Air Pollution Monitoring and Modeling in Sri Lanka – *your first name and last name*” as the subject of the email.