

RESEARCH ASSISTANT Position (Contract)

Project Title: "Unified Multi-Modal Sensor-Based Control and Learning Enhanced Framework for the Robust Manipulation of Deformable Materials/Goods"

This project explores how combining sensor-based control with learning-based adaptation can overcome the limits of both traditional control methods and purely data-driven approaches. By integrating sensing, sensor fusion, and learning into the control loop, it aims to enable robots to handle deformable objects more robustly and adaptively in complex, uncertain environments.

Duration: 12 Months

Remuneration: LKR 60,000 per month

Funded By: Multidisciplinary Grant (287 MRG 2026), University Research Council, University of Peradeniya

Research Team:

Prof. Lilantha Samaranyake (PI), Dr. Nalin Harischandra, Dr. Tharindu Weerakoon, Dr. Achala Pallegedara, Dr. RHG Ranil

What We Are Looking For:

- Bachelor's degree in Electrical Engineering (Second Class Honors or above)
- Sound understanding of Robotics, Control & Automation and AI & Intelligent Systems
- Excellent hands-on technical skills and a willingness to work actively in field environments
- Excellent written and oral communication skills in English
- A strong commitment to working within a collaborative, multidisciplinary team

How to Apply

Please email your CV along with a statement of interest on or before **5th May 2026** to

lilantha@eng.pdn.ac.lk

