

STAFF PROFILE

1. Full Name & Designation

Ms. Pearly Jacob

Assistant Professor

Department of Electronics

Aquinas College, Edakochi

2. Academic Qualification

M.Tech Embedded Systems (2011, Karunya University, Coimbatore)

3. Experience

- **Present** : Assistant Professor in Department of Electronics since December 2021.
- **Previous** : Assistant Professor in Department of Electronics and Communication Engineering of SNGCE, Kadiyurpu from July 2011 to December 2021.

4. Journal Articles

- A Paper titled “Arduino – Based EV Battery Protection System Using Sensors and Safety Mechanisms” in International Journal of Research Publication and Reviews, Vol.6 . Issue 4, April 2025.
- A Paper titled “Crop- Optimized Greenhouse Control System” in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol.13 . Issue 4, April 2024.

5. Conferences attended /publications

- A Paper titled “Automated Detection of Diabetic Retinopathy in Digital Fundus Images” has been presented for the International Conference on Emerging Trends in Engineering and Management (ICETEM - 16).
- A Paper titled “Calibration of U-Tube Manometer using Kalman Filter and ECKF” has been presented for the International Conference on Emerging Trends in Engineering and Management (ICETEM - 16).
- A Paper titled “Calibration of U-Tube Manometer using Frequency Estimation Techniques” has been presented for the International Conference on Communication and Signal Processing (ICCOS - 11).
- A Paper titled “Calibration of U-Tube Manometer using Frequency Estimation Techniques in Lab VIEW” has been published in the International Conference on Electronics Computer Technology (ICECT 2011).