



J. THARMASEELAN

B.E.T (Hons)

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PERSONAL PROFILE

I am looking forward for a challenging position in a reputed organization where I can use my skills for the growth of mine as well as the organization. My expertise in the field of Electromechanical Engineering and Technology, with my innovative designs and presentations, thereby approaching a positive growth for my career along with the cherished reputation of the organization. I aspire to contribute to the advancement of the Electromechanical industry through research, innovation and teaching, and to prepare myself for a leadership role in academia or the industry.

EDUCATION BACKGROUND

Jan 2020 – Jan 2025 **Bachelor of Engineering Technology Honors in Electromechanical Instrumentation & Process control**
Faculty of Technology, University of Ruhuna, Matara, Sri Lanka.
With the Best result from Electromechanical specialization
From grading First class consisting a **3.73/4.00 CGPA**.

Jul 2016 – Aug 2018 **GCE Advance level** (Engineering Technology 2 A's & 1B)

Dec 2015 **GCE Ordinary level** (Tamil Medium 5 A's, 1 B, 2C's & 1S)

PROFESSIONAL APPOINTMENTS

Jun 2023- Dec 2023 **Junior Biomedical Engineer**
Division of Biomedical Engineering Services, Teaching Hospital Batticaloa, Ministry of Health.

Jan 2025- Nov 2025 **Temporary Demonstrator**
Department of Engineering Technology, Faculty of Technology, University of Jaffna.
Conducted and supervised laboratory practical's, assisting students in understanding core concepts and ensuring safety compliance.

OTHER EXPERIENCE

Jan 2025 – Nov 2025 **Part-Time Academic Sub-Warden**
Boys Hostel, Kilinochchi premises, University of Jaffna.
Assuming duties in the evening time as a part-time Sub-warden at boys' hostel, Kilinochchi premises, University of Jaffna.

RESEARCH EXPERIENCE

2025 **J.THARMASEELAN*,T.Karishan**
“SMART VISION SYSTEM FOR PCB FAULT DETECTION AND COMPONENT RECOGNITION IN SMALL SCALE INDUSTRIES”
Global Scientific Journals (ISSN 2320-9186) (Full Paper Published)

2025 **J.THARMASEELAN***, Nusaf M.M.M.S, Karishan T, Nisath.N.M. ,
Ganage.H.C. , Wicckramasinghe L.C.D
“AUTOMATED PCB FAULT DETECTION AND COMPONENT IDENTIFICATION USING IMAGE PROCESSING AND MACHINE LEARNING”
12th Ruhuna International Conference on Innovation and Technology, University of Ruhuna (Abstract Published)

2026 **J.THARMASEELAN*,C.Praveenkhanth**
“ AI DRIVEN SMART INFRARED DRYING SYSTEM FOR CLIMATE RESILIENT SPICE PROCESSING ”
The Colombo 3rd international Conference on university -industry collaborations for sustainable development ICSD 2026 (Abstract published)

EXTRA-CURRICULAR ACTIVITIES

2016 – 2018 Member of School Level committee for Compulsory Education BT/BT/Hindu College.

2021 - 2024 Voluntarily Contributed at the A/L Seminar – 2021 to 2023 Organized by the Technology Students, Faculty of Technology, University of Ruhuna.

2022 Sri Lanka Robotics Challenges Advanced Workshop on Robot operating System Organized by Department of Electronics and Telecommunication Engineering University of Moratuwa

2025 – 2026 IEEE (Institute of Electrical and Electronics Engineer) Student Member.

ADDITIONAL SKILLS

Knowledge and experience with software

- MICROSOFT OFFICE (Word, Excel, PowerPoint and Access)
- MATLAB
- AUTOCAD
- SOLID WORK
- CODEBLOCK (C++)
- ARDUINO PROGRAMMING
- COMSOL MULTIPHYSICS

Languages -

Reading, Writing & Speaking

- ENGLISH - Advanced
- SINHALA - Intermediate
- TAMIL - Native

REFERENCES

Eng. Joy Mathavan

Senior Lecturer

Engineering Technology

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University of Jaffna

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Eng .Krishnalini Mauran

Biomedical Engineer

Teaching Hospital Batticaloa

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