Poramat

Personal Information

Name: Poramat Sangsaengsai

Nickname: Palm

Age : 26 years old

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Location: Bangkok, Thailand

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Personal Summary

I embrace challenges as opportunities for professional growth. With a proactive mindset and strong technical expertise in circuit design, microcontroller programming, and system testing, I have successfully developed [mention a project] which [briefly describe the result or impact]. My passion for innovation, problem-solving, and teamwork enables me to contribute effectively to organizational success and technological advancements.

Language

- Thai
- English

Programming Language

- C++
- Python

Education

2024 **Kasetsart University**
Master of Engineering (Electrical Engineering), Major Subject Group Electronics
2021 **GPA : 3.83**

2021 **Thammasat University**
Bachelor of Science (Physics), Major in Electronics Physics
2017 **GPA : 2.62**

Projects and Research

Raspberry Pi-Controlled Lock-In Amplifier

- A **lock-in amplifier** developed using **basic electronic circuits** and **controlled via a Raspberry Pi**. The system utilized a **quartz tuning fork** in the test, providing an **inexpensive and compact alternative** to commercial measuring instruments. The device offers **comparable performance to commercial measuring instruments**.

Remote Electrical Energy Monitoring Meter and Data Logger

- **Designed and developed instruments** to **measure electrical energy generated by hydro turbines**. The system is controlled using a **microcontroller** and **transmits data** to a measuring instrument, computer, and smartphone via the **Blynk application**. This solution ensures **accuracy comparable to commercial measuring instruments**.

Remote Three-Phase Measurement and Data Logger

- **Designed and developed three-phase electrical energy measuring and logging instruments controlled by a microcontroller**. These devices provide **single-phase and three-phase** measurement results, which are **displayed on a computer or smartphone**. They offer the **same level of analysis, calculation, and accuracy as commercial measuring instruments.**

Skills & Expertise

Technical Skills

- Electrical & Electronic Engineering
- PCB Engineering & Development
- Microcontroller Design & Development
- System Testing
- Measuring Instruments
- Troubleshooting
- Data Acquisition & Logging
- IoT (Internet of Things)
- Telecommunication

Professional Skills

- Communication
- Teamwork
- Problem-Solving
- Decision-Making
- Adaptability
- Time Management
- Presentation Skills
- Quick Learning
- Attention to Detail

Software Proficiency

- Microsoft Office
- Proteus
- EasyEDA
- Arduino
- LabVIEW
- MATLAB