

POONNAPA NGAUTRAGOON

ELECTRICAL POWER ENGINEER

I concentrate on working for effective results. I am an energetic, responsible, continual improvement, and able to work under pressure.

WORK EXPERIENCE

Sitron Power | Engineering Division

May 2021 -Present

Design Engineer

- Site Survey
- Designed about electrical solar system (Overall Single Line Diagram, String Wiring Diagram, Grounding, DC/AC Routing, MV Installation, Communication system, and Calculation)
- IV test
- Inspection Continuity and Insulation cable
- PVsyst

NMB-Minebea Thai (Rojana) | Plant Maintenance Division

September2020 -April 2021

Staff Engineer

- Prepare Energy efficiency solution report, Power meter report, and Monthly Thermoscan report
- Planning BCM report
- Planning for yearly electrical maintenance
- Planning for maintenance schedule and running of facility machine (Air compressor, Chiller, Cooling Tower, and RO Machine)
- Safety officer supervisory level certificate
- ISO14000 certificate
- TIS Auditor certificate

PROJECT EXPERIENCE

Study of prediction methods for color and shape of hybrid orchids using image processing and artificial intelligence techniques

Senior project | August 2019 -June 2020

- Researched on forecasting methods of hybrid orchid's reproduction with Generative Adversarial Network (GANs) technique
- Researched on measuring sizes of hybrid orchids' components with Image Processing technique
- Researched color detection of hybrid orchids with K-means Clustering technique

Ice cream production system

Industrial sensors and control devices project | December 2019

- Designed ice cream production system in CX-Programmer and PLC (Programmable logic controller)

Robot car

Industrial electrical engineering laboratory II project | February 2018

- Designed robot car to avoid obstacles by writing C in Arduino

Coin based mobile charging

Digital circuit design and microcontroller project | December 2017

- Designed coin based mobile charging by writing C in Arduino



PERSONAL SKILLS

- AutoCAD
- PVsyst
- Sketchup
- ETAP
- PSpice Schematic
- PLC (Programmable logic controller)
- Microsoft word, Excel, Power point
- Arduino
- C Programming language
- Python programming language
- Matlab
- Professional Electrical Engineer (License ID.59400)

HONOR AWARDS

Merit Scholarship (2017-2019)

Thammasat University Programme

of innovative Engineering

EDUCATION

Kanchanapisek Wittayalai Suphanburi School

2008-2014

Bachelor of Engineering

(Industrial Electrical Engineering)

Thammasat University

2008-2014

CONTACT ME



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