

SAKDA WETTAWONG (TOEY)

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Address: 215 Moo 8 Chakabok, Bankai, Rayong 21120 Thailand

Personal Details:

Date of Birth: August 8, 1997, **Age:** 22 **Nationality:** Thai

Height: 172cm **Weight:** 97kg **Marital Status:** Single

Have a car driving license

Military Status: Exempted by Finishing Reserve Officers Training Corps Course(R.O.T.C)



Education:

Bachelor of Engineering Program in Power Electrical Engineering,

Department of Electrical and Computer Engineering, Faculty of Engineering, KMUTNB –
Year 2016-2020 **GPA 3.00/4.00**

Certificate in Technical Education Program in Electrics and Electronics

Thai-German Pre-Engineering School, KMUTNB – Year 2012 – 2015 **GPA 3.35/4.00**

Skills:

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|-----------------------------------|----------------|
| - ALTIUM Designer, Autodesk EAGLE | - PSpice, Psim |
| - MS Offices | - ATmega328p |

Experiences:

- Final project, LLC Resonant Converter $300V_{DC}$ to $300V_{DC}$ 300 Watts.

This project analyzes and designs LLC resonant converters. The researcher focuses on the study of increasing power and working at high frequencies to increase efficiency and reduce power loss. Such as the loss of switching, etc. Designed the DC-DC converter circuit using ALTIUM Designer to designed PCB of this project . The components of the LLC resonant converter circuit are divided into 5 parts: 1. Gate driver circuits 2. Half-bridge inverters 3. LLC resonant 4. Transformers and rectifiers 5. Filter circuit

From the test results, LLC Resonant Converter, Power of 294 W, Efficiency in operation is 93.33%.

Extra-Curricular Activities:

- Volunteer working group 28 in Vidsava Arsa KMUTNB

Had been selected as a staff for take care of the safety of the members of this camp.

- Staff in E-Camp KMUTNB – Year 2018

Had been selected as a moderator-staff for all of activity in this camp

- Staff in Sansara 8.0 KMUTNB – Year 2016

Had been selected as a Science-staff in Sansara camp(the camp for countryside students).