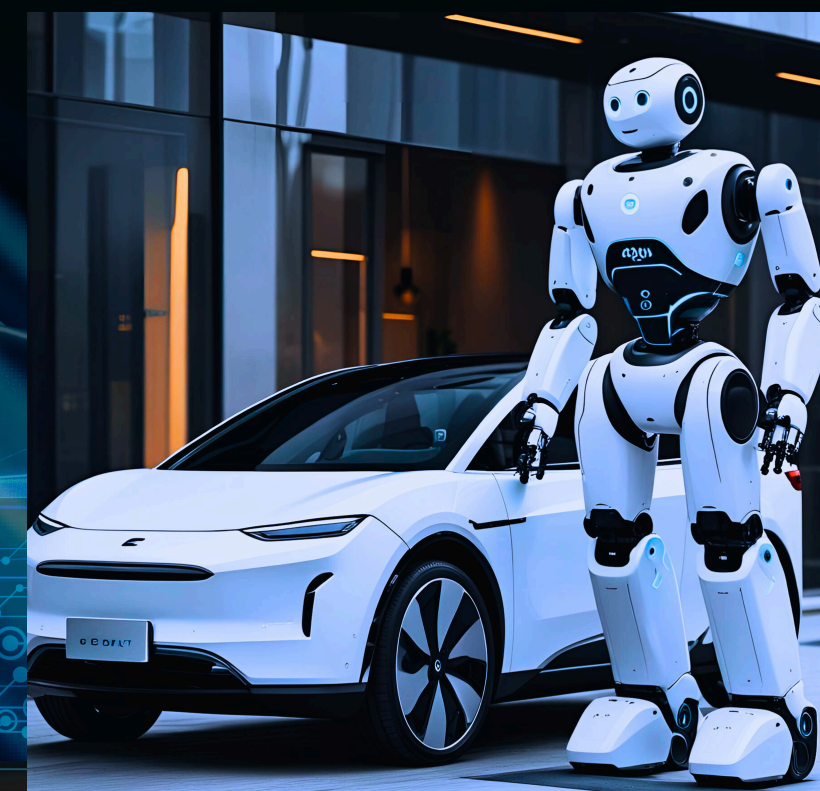


# ELECTRIC VEHICLE AND AUTOMATION SYSTEM ENGINEERING

4 + 1 Years Bachelor + Master



*In collaboration with RWTH Aachen University, Germany*

EVAE IS ONE OF THAILAND'S FIRST INTERNATIONAL BACHELOR'S DEGREE PROGRAMS DEDICATED TO ELECTRIC VEHICLES AND AUTOMATION SYSTEMS. ESTABLISHED BY THE SIRINDHORN INTERNATIONAL THAI-GERMAN GRADUATE SCHOOL OF ENGINEERING (TGGS), KMUTNB. THE PROGRAM OFFERS INDUSTRY-ORIENTED EDUCATION TAILORED TO MEET THE NEEDS OF RAPIDLY EVOLVING TECHNOLOGY SECTORS.

## Curriculum overview

4 Years, 129 credits

Y1 Engineering Fundamentals

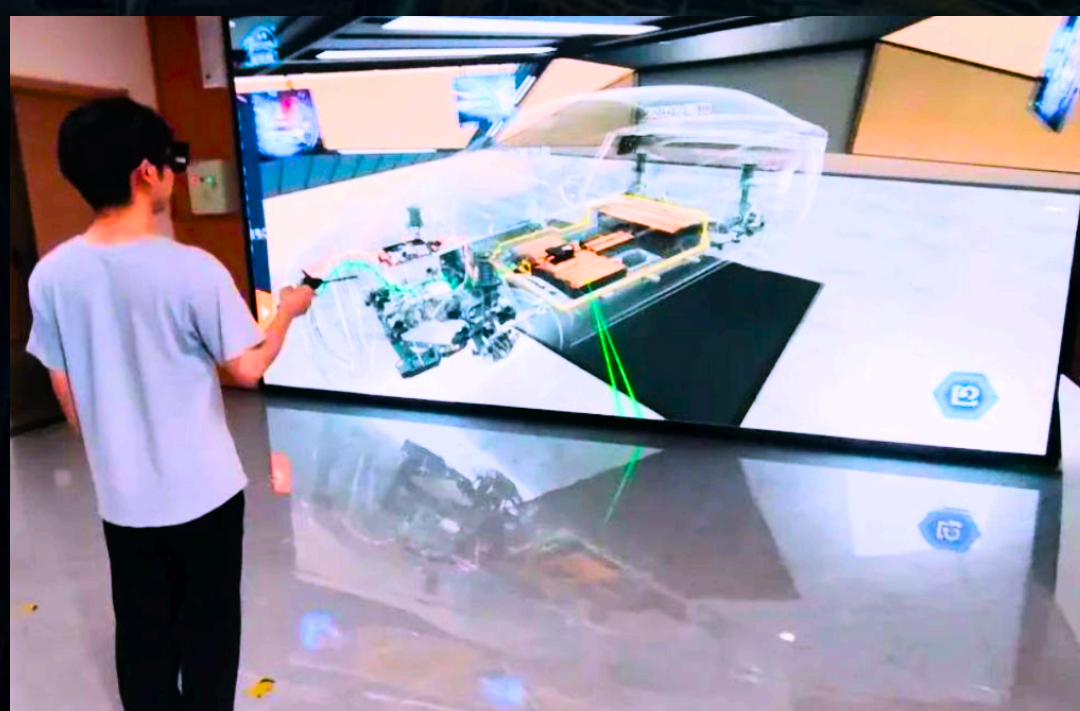
Y2 EV Systems, Electronic circuits,  
Manufacturing,  
Engineering Mindset

Y3 Battery & Power electronics  
EV dynamics  
Automation & Robotics  
Automated driving

Y4 Capstone Project,  
Cooperative Education,  
International Exchange

## Program highlights

- Taught in English
- International collaboration with RWTH Aachen
- Industrial oriented curriculum
- Internship with leading company



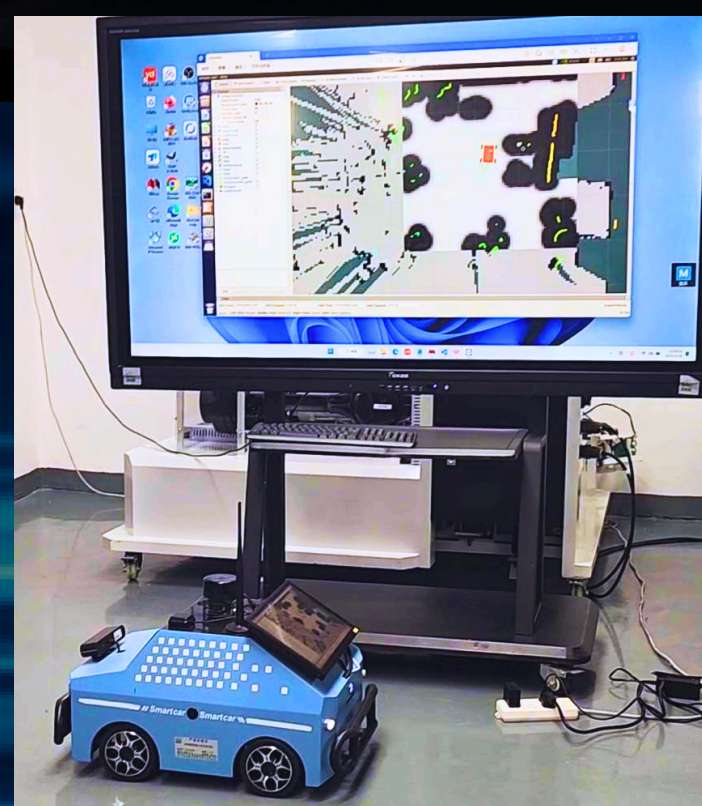
VR & Teaching simulation software for EV



Automation, PLC and Robotics



Self-driving training platform



ROS2 car development platform



IC-engine converted to EV



Industrial robot



EVAE@TGGS

LEARN MORE: [HTTPS://TGGS.KMUTNB.AC.TH/EVAE](https://tggs.kmutnb.ac.th/EVAE)

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