

RESEARCH MODULE CERTIFICATE

November 8th 2024

To whom it may concern,

This certification proves that

Nonpawit Ekburanawat, [REDACTED],

has completed the research internship in the Research project "PX4 Micro UAV" supervised by Prof. Dr. Michael Strohmeier at the faculty of Computer Science at the Technical University of Applied Science Augsburg.

Nonpawit Ekburanawat joined the program during the summer term from July 1st 2024 until October 31st 2024 during the winter term. Nonpawit Ekburanawat acquired 24 ECTS.

Assignments:

- Porting of the NuttX real-time operating system to the dual-core processor STM32H745
- Integration of latest NuttX features into the PX4 flight stack (back porting)
- Implementation and setup of the PX4 bootloader on the STM32H745

Personal comment of the supervisor:

Nonpawit Ekburanawat completed all assignments in a very structured and motivated way. His quick comprehension and commitment to independently mastering complex topics consistently enabled him to deliver high-quality results. He proved himself to be a valuable asset to the team.

The research internship is part of hsa_sustaiN in the framework of project funding from the German Academic Exchange Service (DAAD) with funds from the German Federal Ministry of Education and Research (BMBF) in the "HAW.International" funding program.

The Technical University of Applied Sciences Augsburg is grateful for Nonpawit Ekburanawat's invaluable contribution and wishes him all the best in his future endeavors.

Sincerely,



Prof. Dr. Michael Strohmeier
Supervisor



Marie Heinze
Project coordination "Application-oriented exchange program"