

## Outbound global internship at Silpakorn University

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2024/08/19 ~2024/08/27	Thailand	Silpakorn University	Department of Electronic Engineering, Department of Electrical Engineering  • Undergraduate 1st~4th grade	(SIT) Students 7, Student Staff 1, Professor 1  (Silpakorn University) Students 8, Student Staff 5, Professor 5	<b>ISHIKAWA Hiroyasu</b> (Electrical and Electronic Engineering Advanced Electronic Engineering)



Signal Modulation WS

The gPBL was conducted at Sanam Chandra Palace Campus, Silpakorn University (SU), Thailand. 1 to 2 SU students and 1 to 2 SIT student were in a team, and 4 teams were formed. The first, Signal Modulation WS, focused on signal modulation (AM, FM, DSB-SC, and SSB-SC), with each team working on different topics for practice and original applications. In the second, Circuit Fabrication WS, each team worked on a blinking LED circuit and an original application theme under the theme of timer ICs. After checking the operation of the circuit on a breadboard, the students soldered parts to a PCB board and fabricated the circuit. In the final presentation, each team gave a summary of their results for the 2WS, and through a Q&A session with the participating students and faculty, the teams shared their effective means and methods and discussed how to use them in the future. Moreover, SIT students also visited local historical temples and theme parks with SU students to learn about historical background, culture and values.



Circuit Fabrication WS1



Circuit Fabrication WS2



Final presentation