

Practical Application of Electronic Circuits Outbound gPBL at Silpakorn University

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2026/08/17 ~2026/08/25	Thailand	Silpakorn University	・Advanced Electronic Engineering, Department of Electronic Engineering ・Undergraduate 1st grade, Undergraduate 4th grade, Undergraduate 3rd grade, Undergraduate 2nd grade	(SIT) Students 7, Student Staff 1, Professor 1 (Silpakorn University) Students 8, Student Staff 3, Professor 4	ISHIKAWA Hiroyasu(Electrical and Electronic Engineering Advanced Electronic Engineering)



Image1 Groupwork1

A gPBL program was conducted at the Sanam Chandra Palace Campus of Silpakorn University (SU), Thailand. This year, four groups were formed, with each group consisting of two SU students and one-two SIT students. The project theme was the identification of unknown ICs. The program began with lectures on the physical appearance of ICs and methods for identifying the functions of individual pins, followed by practical exercises using known ICs. Each group then worked on a PBL project to identify an unknown IC. At the final presentation session, each group presented the evidence they had obtained and their identification results. Through questions and discussions with the participating students and faculty members, the groups shared their findings and discussed possible future applications. In addition to the PBL activities, the SIT students visited the National Institute of Metrology (Thailand) (NIMT), the National Science Museum (NSM), and local historical temples together with SU students. These activities provided opportunities to learn about Thai culture and values.



Image2 Groupwork2



Image3 Groupwork3



Image4 Final presentation