

Global PBL program between SIT and HUST (Extending robot function using Line Tracing Robot)

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2026/02/25 ~2026/03/11	Viet Nam	Hanoi University of Science and Technology	<ul style="list-style-type: none"> •Electrical Engineering and Robotics, Advanced Electronic Engineering, Computer Science and Engineering, Department of Design Engineering, Department of Electrical Engineering •Undergraduate 1st grade, Undergraduate 2nd grade, Undergraduate 3rd grade, Undergraduate 4th grade 	(SIT) Students 31, Student Staff 4, Professor 4 (Hanoi University of Science and Technology) Students 26, Student Staff 7, Professor 3	YOSHIMI Takashi(Electrical and Electronic Engineering and Robotics), ANDOU Yoshinobu(Electrical and Electronic Engineering and Robotics), FUKUDA Hiroaki(Computer and Communications Engineering Computer Science and Engineering), SASAKI Takeshi(Department of Design Engineering), SASAKI Masahiro(Electrical and Electronic Engineering Advanced Electronic Engineering)



Image1

From February 25 (Wednesday) to March 11 (Wednesday), 2026, four students from the Department of Electrical Engineering, four from the Electrical and Robotics Engineering Course, nine from the Advanced Electronic Engineering Course, nine from the Computer Science and Engineering Course, and five from the Department of Design Engineering traveled to Hanoi University of Science and Technology (HUST) in Vietnam to conduct a robotics-related global PBL (gPBL). This gPBL was supported by four faculty members and four teaching assistants (TAs) from our university, and was carried out with the assistance of HUST faculty members Dr. Trung and Dr. Hung.

In the first phase of the project (domestic task), each participant built an individual line-tracing robot. In the second phase (on-site task), participants formed groups with 26 HUST students, with each group consisting of four to five members, and worked on extending the functions of their robots. On the final day, each group delivered a presentation and demonstration of a robot system incorporating unique extended functionalities.



Image2



Image3



Image4



Image5



Image6



Image7