

Exercises in Inventive and Creative Design

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2026/03/04 ~2026/03/11	Viet Nam	Hanoi University of Science and Technology	<ul style="list-style-type: none"> • Department of Machinery and Control Systems • Undergraduate 3rd grade 	(SIT) Students 24, Student Staff 3, Professor 3, Staff 3 (Hanoi University of Science and Technology) Students 30, Student Staff 3, Staff 6	HASEGAWA Hiroshi(), WATANABE Dai(), BUI NGOC TAM(Innovative Global Program)



Image1 Group photo

The third-year autumn-semester class “Exercise in Creative and Inventive Design, CID@HUST” in the Department of Machinery and Control System was conducted jointly with the Department of Mechanical Engineering and the Department of Mechatronics at Hanoi University of Science and Technology (HUST) in Vietnam.

This exercise project involved developing a mechanical energy storage robot featuring an arm. Nine teams were formed and worked in a global PBL format. A total of 54 students participated: 24 from SIT and 30 from HUST. Basic structural specifications for the robot were presented. Design reviews were conducted with HUST faculty. Each team devised mechanisms, performed 3D CAD design, procured and processed necessary materials, and built their robots. The final presentation included design concept presentations and a competition. We believe that collaborating with Vietnamese students on this construction project enhanced the participants' skills as future global engineers.



Image2 1st place project team



Image3 Competition



Image4 Project Work of Production



Image5 Final Presentation