

## Single-seater Vehicle with Mechanical energy storage global PBL

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2023/02/10 ~2023/02/18	Viet Nam	Hanoi University of Science and Technology	<ul style="list-style-type: none"> <li>•Department of Machinery and Control Systems</li> <li>•Undergraduate 3rd grade</li> </ul>	(SIT) Students 22, Student Staff 3, Professor 3 (Hanoi University of Science and Technology) Students 23, Student Staff 3, Professor 3	ITO Toshio(Department of Machinery and Control Systems), HASEGAWA Hiroshi(Department of Machinery and Control Systems), BUI NGOC TAM(Department of Machinery and Control Systems)



Image1 Group Photo

A global PBL was conducted at HUST (Hanoi University of Science and Technology), Vietnam, on the theme of manufacturing a single-seater vehicle with mechanical energy storage. This gPBL was conducted as a subject of the "Creative and Innovative Design Exercise," a course offered by The Department of Machinery and Control Systems, in which students from the same department participated. In cooperation with students from HUST, the students studied the design, mechanism, and structure from scratch, designed them with CAD, and worked to make them a reality. Ten mixed teams of students from SIT and HUST were formed, and in addition to coming up with ideas and designing, each team procured the necessary materials and parts locally. The students also had the opportunity to visit factories and go on field trips, and were able to enhance their global engineering skills.



Image2 Production No.1



Image3 Production No.2



Image4 Factory Tour



Image5 Competition



Image6 Design Review