

gPBL for traffic safety research

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
2025/07/28 ~2025/08/06	United Kingdom	Loughborough University	<ul style="list-style-type: none"> •Department of Engineering Science and Mechanics, Department of Information and Communications Engineering, Electrical Engineering and Computer Science, Mechanical Engineering •Undergraduate 4th grade, Master 1st grade, Master 2nd grade 	(SIT) Students 17, Student Staff 1, Professor 2, Staff 1 (Loughborough University) Students 4, Professor 5, Staff 3	MORINO Hiroaki(Computer and Communications Engineering Information and Communications Engineering), HIROSE Toshiya(Mechanical Engineering Advanced Mechanical Engineering)



Image1 Loughborough University

This global PBL program on road safety research was conducted at the Loughborough University in the UK. Students from SIT (Departments of Mechanical Engineering and Information and Communication Engineering) and students from the Loughborough University participated. Professors and researchers from the Loughborough University introduced their research details, and the students carried out projects of road safety research. The project established four themes for the tasks: (1) Safety of traffic signs, (2) Road safety on campus in Loughborough University, (3) Smartphone use while walking, and (4) Safety of electric scooters. Additionally, the group visited the UK Department for Transport in London, where they attended a lecture and held a Q&A session on UK vehicle administration regarding driver assist systems and automated driving systems (particularly the approach to vehicle regulations). Through investigation and presentations, they received opinions and feedback from researchers, enabling them to further deepen their research. This PBL experience allowed students to cultivate research capabilities with an international perspective, teamwork, problem-solving skills, and enhance their own expertise.