

Pusan National University Robotics Internship Program

| Date | Place | Partner Organization | Students' Major and Grade | Participants' Information | SIT Instructor |
|---------------------------|-------------------|---------------------------|--|---|--|
| 2022/08/20 ~2022/08/29 | Republic of Korea | Pusan National University | <ul style="list-style-type: none"> •Department of Electrical Engineering, Department of Engineering Science and Mechanics, Department of Materials Science and Engineering, Department of Applied Chemistry, Department of Electrical Engineering •Undergraduate 2nd grade, Undergraduate 3rd grade, Undergraduate 4th grade, Master 1st grade, Master 2nd grade | (SIT) Students 9, Student Staff 1, Professor 2 (Pusan National University) Students 7, Student Staff 1, Professor 3, Staff 1 | YOSHIMI Takashi(Department of Electrical Engineering), ANDOU Yoshinobu(Department of Electrical Engineering) |



Special Lecture

A robotics internship was held with Busan National University (PNU) in South Korea after the three years blank. This time, the preparation was extremely difficult because of the corona pandemic. After all preparations were completed, 9 participants (5 second-year students, 2 fourth-year students, 2 second-year master's students), 1 professor and 1 TA visited to Prof. Min Cheol Lee's laboratory in PNU from August 19 to 30.

In this gPBL, participating SIT and PNU students were divided into 3 groups and enthusiastically worked on three themes related to robotics: (1) Kinematics, (2) Control, and (3) Deep Learning. These themes were a little difficult for second-year students, but with the support of graduate students, the group of all Japanese and Korean students worked enjoyed on specific problem-solving. The 8-day program also included a tour of related laboratories, special lectures, and on the final day, participation of a conference held by a local branch of the Korean Society of Robotics, the students were able to experience various robotics. In addition, it is believed that mutual exchanges between students deepened mutual understanding and contributed to the further development of Japan-Korea relations in the future.

By holding mutual gPBLs in the future, we would like to utilize this gPBL as an good opportunity for Japanese and Korean students to cultivate a mindset with global engineers and mutual understanding.



Special Lecture Attendance



Working of Project



Lab Tour



Lunch Time



Banquet of Symposium



Field Trip to Beach