

Collaborative development of robot programming with ROS

Implementation period	Implementing country	SIT's implementation partner organization	Target students	participant	SIT instructor
2019/09/15 ~2019/09/24	India	IIT, Delhi	<ul style="list-style-type: none"> •Department of Engineering Science and Mechanics •Undergraduate 4th grade, Master 1st grade, Master 2nd grade, Doctor 1st grade 	(SIT) Students 9, TA 1, Professor 1 (IIT, Delhi) Students 10, Professor 2	matsuhira nobuto(Department of Engineering Science and Mechanics)



Image1 Group photo

A global PBL on the theme of joint development of robot programs was conducted at Indian Institute of Technology Delhi (IITD). Nine students, including TA, from the Department of Engineering Science and Mechanics at SIT participated. From IITD, 8 students from 4 labs participated, and each group worked on 4 issues related to mobile robots. We studied the international standard robot program ROS with each other and confirmed the basic robot control. This time, the IITD side was at the end of the semester, so we couldn't spend enough time on the joint work. In the next time IITD would like to consider credit acquisition courses so that students can easily participate. Although this is the second time, this PBL was better coordinated and joint research will be expected from now on. We visited 3 robotics labs and visited Taj Mahal etc. as a field trip. In addition, a research exchange meeting for companies organized by IITD, Industry Day, was also held during the period and was able to be visited. We were able to know the activities of IITD. Students who participated in PBL were aware of the importance of cultural differences, English skills and negotiation skills except ROS skills. We appreciate IITD's support.



Image2 Discussion



Image3 Group work



Image4 Lab tour



Image5 Industry Day



Image6 Mini bus



Image7 Field trip