Arm Navigation for the KUKA youBot Mobile Manipulator

The KUKA youBot is an omni-directional mobile platform with an attached 5-DOF robotic manipulator. We are seeking highly motivated students to generate code that performs reliable arm navigation using the youBot's manipulator. The project involves the use of low-level navigation and manipulation functionality provided by ROS (Robot Operating System). We will perform extensive testing of the code and, by semester's end, expect it to be able to navigate to all points in its workspace with smooth, repeatable arm motion.

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Credits: 3
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