

**Abstract**

As the title “Robotic System Application to Elderly Living Environment” says, our assistive robotics team (IPRO 334) is faced with the task of creating a prototype for a robot that is meant to assist elderly people or which can be meant to be used in the field of health care and medicine. The robot must be modular so that the future improvements and applications can be easily added. The focus of the team will be on the mobility and interface modules of the robot. Also, other modules may be extended, designed and prototyped throughout the course of the semester. It is also required that our module demonstrates how future modules must be designed to be powered and identified by the robot.