ABSTRACT

A robot can be designed to help human to do their domestic chores i.e. clean the floor. Robot with 30 x 25 cm size using algorithm or method user controller. Detection object around the robot using ultasonic sensor and use algorithm for the move robot.The mapping system is created using an algorithm. Mapping system with the help of ultrasonic sensors and LIDAR (Light Detection and Ranging) can help the movement of robots on track. The robot will detect obstacles and if there is an obstacle then the robot will move away from the obstacle.

Keyword : Ultrasonic Censor, LIDAR (Light Detection and Ranging), Arduino, ROS (Robot Operating System), Raspberry Pi