This is a mobile robot that can safely work with human in an indoor environment. The robot will interact with human through gesture. The robot can detect a person and his/her corresponding 3D position. If there is request from the person, the robot will follow the person, maintaining a distance from the person. The robot can also understand the gesture to attend to another person.

Features

- Direction-driven navigation
- Human robot interaction
- Vision-based human detection and gesture recognition
- Intelligence
Potential Applications

• Service robots in restaurants
• Robot assistants to collect and move things at hospitals, offices etc
• Robot assisting cleaners

Benefits

• Increase productivity and reduce cost
• Allow human to focus on their tasks instead of spending time moving about
• Easy to use
• Modular and can be adapted to other applications