

AUTOMATIC SMART SUITCASE

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In this project we described the attempt to build a Smart suitcase able to locate and follow a human target moving in a domestic environment. After a brief review of the state of the art in relative location technologies, the ability to self-localize. More specifically, the approach is based on a control system able to display and integrate an exploration, we described our approach that aims to develop Smart suitcase provided with simple and robust relative location technologies that do not require structuring the environment and on simple semi-reactive strategies that does not require the use of internal maps and obstacle avoidance, and target following behavior and a relative location device based on an signal emitter (placed on the target person) and a directional sensor (placed on the mobile robot).

In this project the Receiver is used to movement of Smart suitcase with the help of UART communication. If the Transmitter focuses on one direction the Smart suitcase will move forward or backward. The ZIGBEE module is used to transmit the data from the transmitter to receiver. It is specially designed for Physically Disabled people and also for the Senior citizens who are all unable to carry their goods to long distance without any difficulties.