

Recycling an old robot as a lab tour guide

Thesis outline

The old indoor research platform of the UGV Centre (see picture below) suffered some damage due to previous master thesis projects.

It was partially repaired, restoring some basic functionality.

The aim of this work is to finish this reparation process and to prepare this robot for his future life as a lab tour guide robot.



Student Tasks

The student will receive the following:

- An indoor Nomad 200 robot + some documentation

With this information, the student is required to output the following:

- Repair the robot as well as possible
- Use the robot control software to make the robot wander around in the lab
- Use the speech engine (built in) to say a small text at certain places

Student Profile

- Good Knowledge of electronics
- Sound interest in robotics