

LEGO Mindstorms Line Following Project

Aniruddha Pal, Markus Wiktorin

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University of Applied Science, Bonn-Rhein-Sieg

Task

Program a LEGO robot which can follow a line.
Light conditions and track can change, the robot should work under different conditions.

Approaches

1. One light sensor in front of the robot
2. Two light sensors in front of the robot
3. Two light sensors in front of the robot using PID
4. Two light sensors, ultrasonic sensor and touch sensor in front of the robot using PID

1. Approach (one light sensor)

2. Approach (two light sensors)

3. Approach (two light sensors + PID)

4. Approach (two light, ultrasonic, touch sensor + PID)