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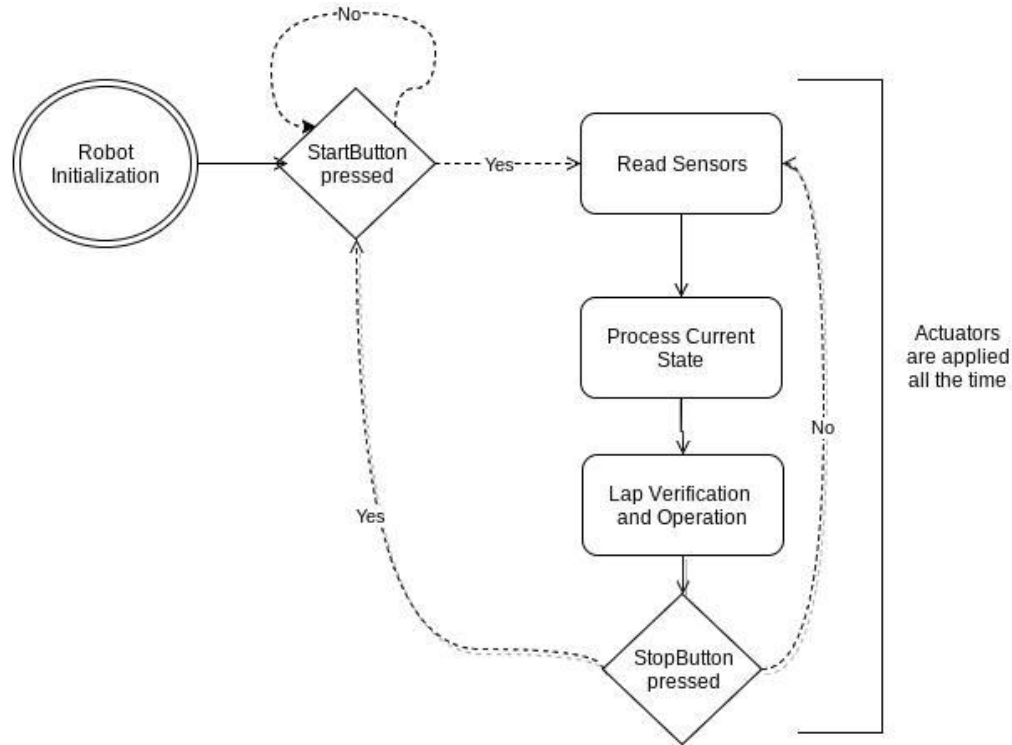
Development of an agent for a robot that follows a line

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Intelligent And Mobile Robotics

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Main flow of the robot



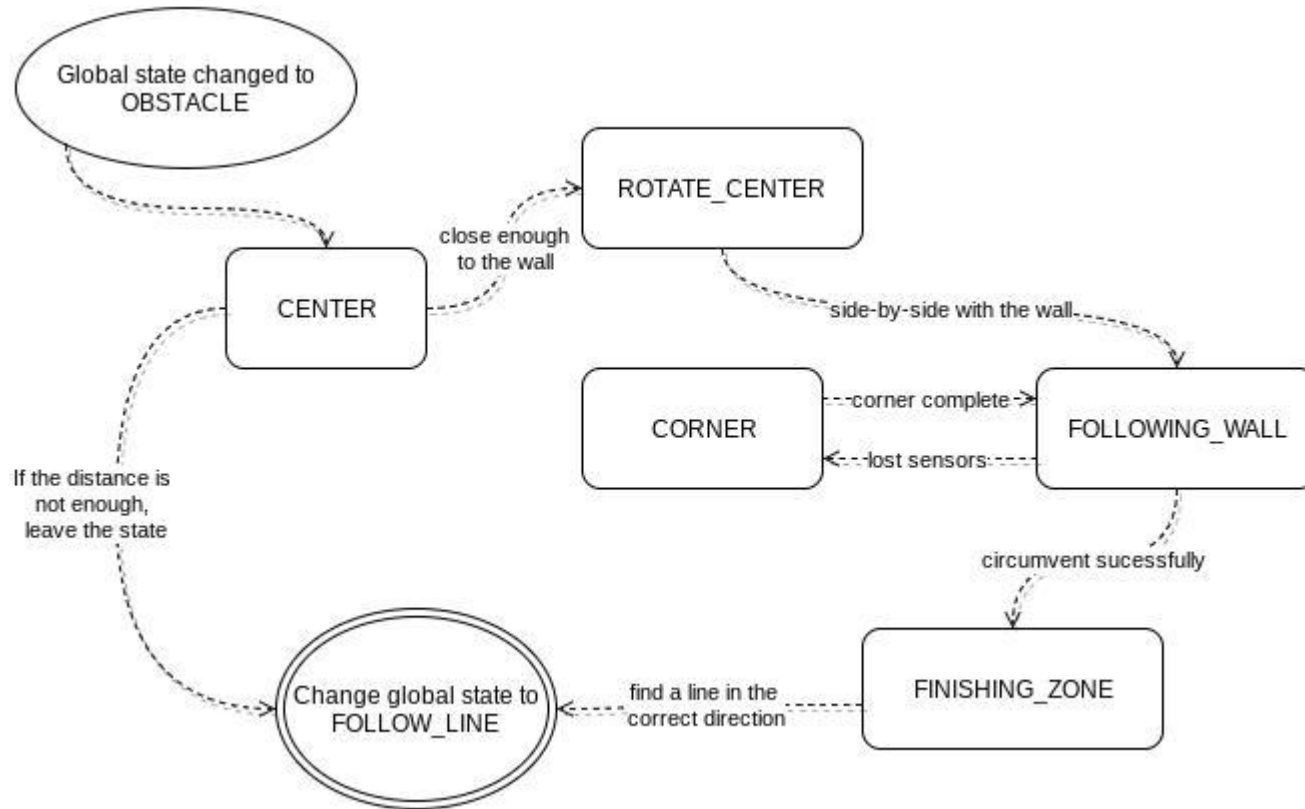
States of the system - **FOLLOW_LINE**

- Following line with a base speed of 60
 - ◆ Had to reduce the gain
- Responsible for the tight curves
- Handles interrupted track
- Obstacle detected in other zone that is not close enough

Strategy used:

- Proportional controller
- Ground sensor buffer with 100 entries

States of the system - **OBSTACLE**



Special Case - Circumvent obstacle in two lines



Example of the demonstration



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Questions?