Revision and Assessment Plan

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Goals

Successfully complete the project

My first goal is essentially still the same as the one I had set in my personal learning goals document. I would like to successfully complete the project. But I would like to add some more details to this goal. In order to successfully complete the project, I would need to first strengthen my theoretical knowledge of mobile robots and their kinematics.

Assessment Plan

I will assess my progress towards this goal by the number of hours I spend studying the theoretical concepts of mobile robots using the course material and other resources. I will also assess my progress by the number of hours I spend implementing the project. And of course the outcome of the project will be the ultimate assessment of my progress towards this goal.

Attain Technical Skills

My second goal is an extension of the first one. I would like to learn all the technical skills required to successfully complete the project, including `MATLAB`, `Simulink`, `ROS` and `Gazebo`.

Assessment Plan

The progress towards this goal will be assessed by the quality of the work I produce using these tools. I will update a GitHub repository with all the

code I write for the project. I will also update a log with all the details of the project including the challenges I face and how I overcome them. The quality of the code and the log will be the ultimate assessment of my progress towards this goal.

Implement Path Coverage Algorithms

After getting some clarity on the essentials of the project, I have slightly updated my third goal. I would like to implement a path coverage algorithm which is not only efficient but also robust enough to handle the real world challenges.

Assessment Plan

I will assess my progress towards this goal by the different path coverage algorithms I test and implement. I will also assess my progress by the number of hours I spend implementing these algorithms. The final assessment of my progress towards this goal will be the quality of the algorithm I implement.