Senior Design (492) Biweekly Report

Team Name: sdmay21-proj033
Team Members: Karter Krueger, Joshua Kalyanapu, Matthew Phipps, Rithvik Menon, Ryan Howe, Thamir Al Harthy, and Zachary Mass
Report Period: Jan 25 - Feb 8

Summary of Progress in this Period

In the previous two weeks we started on preparing for the semester. This task of prep includes deciding on the meeting time, trying to assess what work we've done thus far and what work we need to get done for the future. Furthermore after some discussion we have decided to scrap a lot of the setup we have done for the project thus far again. This is because our advisor thinks that the plan for our project that previous semesters were working on would not be feasible after he did more digging over the break. Luckily we already have a workaround that the team thinks should do the trick.

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Pending Issues

We have decided to try and implement the RL algorithm using AirSim integrated with OpenAI Gym. This integration of these two libraries is what our team is currently looking into. On top of this we need to decide on a meeting time. Our team is relatively large (8 people including the advisor) so trying to find a spot when we can all meet is no easy task.

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Plans for Upcoming Reporting Period

For the next reporting period we hope that we will have OpenAI Gym integrated with AirSim. Should this be done early in the next reporting period we hope to have more progress regarding development of the training algorithm. Furthermore we will also have decided on a meeting time for the team that allows for the most people to be present in the team at once.

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