Weekly Progress Report

Name: 林廣軒   **Week:** Week 2 (2025/9/8 ~ 2025/9/14)

1. Summary of This Week's Work

This week, I focused on setting up the simulation environment and beginning initial control experiments with the Go1 robot. I also attended the weekly meeting, where I listened to a paper presentation that provided useful context for our ongoing project.

2. Tasks Completed

- Set up simulation environment (Gazebo, Rviz, Locosim, ROS).

- Imported a Go1 robot and start writing a controller script for Go1.

- Attended the meeting on Wednesday and listened to paper presentation.

3. In Progress / Ongoing Work

- Writing the control script to make the Go1 robot stand.

4. Challenges / Issues

- Setting up environment is difficult. I encountered lots of errors, such as:
  - Missing launch file for Go1 robot.
  - Gazebo timeout errors.
  - Not familiar with control structure, which required extra time to specify the syntax correctly.

5. Next Steps (Plan for Next Week)

- Finish the control script and make Go1 stand.

- Reproduce the simulation result in the paper.

- Attend the meeting on next Wednesday

6. Additional Notes (Optional)

- My notion page for this project (including meeting notes, tasks, and schedule): https://notion.so