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DETAIL REPORT Week 4 (5th Feb 2024 –9th Feb 2024)

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| **Objective(s) of activities:** | |
| **Contents:** | **Hour(s)** |
| 1. **Implementation** This week I’d implement the realsense camera to measure the distance from the object to the camera to make to let the robot know that the object is near or far away from the robot.  This week I’d also implement the grid line 3\*3 into the live window of the live detection. The purpose of this implementation is to where the object is in the grid line to make the robot rotate to that rotation.      1. **Problems**   I’m still stuck implement all the code to the ROS2 environment. During this phase with the implementation the live window doesn’t show anything and it crash.  I’ve encounter countless error with the distant measurement. This distant measurement isn’t reliable sometime due to the angle of the camera.   1. **Solutions**   I’ll try to make the distance measurement work correctly and make the it work well with the ROS2 environment. | **1 Week** |