# Sprint 3 Review

> ℹ **Review:** Sprint review is expected to be an **external reflection** with the **client** regarding the **product** that we have created thus far.

The team has met with the client on 20 Oct.

20 Oct 2023

## Product Presentation

- We showed the presentation slides for the following:
  - Voice Command Recognition (+Spacebar addition)
  - Human Posture (+Face Detection, +Hand Detection)
  - YOLO Object Detection (+Depth Perception)
  - 3D Printed Mounting Model (+Mounting on robotic arm)
  - Project Handover (OpenAI, Openpose, YOLO, docker)
  - Lessons Learned
- Presentation Slides:


- We shared about the lessons learned while working on this project:
  - Steep learning curve with ROS 2
  - Adjusting scope earlier based on resources and time constraints
- We shared the experiences we had while working on this project
  - Learned how to use ROS 2
  - Got hands on with a robotic arm (Franka Emilia)
  - Usage of a 3D printer
- Discuss the upcoming handover next week
  - Prepare handover documentations
  - Schedule a time for demonstrating usage for the client at Melbourne Connect

## Client Feedback

| Good | Bad | To Improve |
|---|---|---|
| Good start for the robot sensing components | Depth detection of objects is too rigid | Attempt to have a 3D depth map for measuring depth |
| Spacebar to trigger voice recording was implemented well | Posture accuracy needed to be reduced. | Look into frame subsampling for human posture. |
| Mounting of 3D printed camera successful | | May need to present in person for handover instead of just email |
| | | |