

## **Reflection Report**

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For the CSC4702 Robotics Group Project, we divided the two selected topics equally, with two members assigned to each topic. I was responsible for the first video dedicated to Junior Level school. I did the research on suitable materials to be used, prepared suitable explanations appropriate for Junior Level, and planned the full flow of the videos on Understanding Sensors in Robots. In addition, I contributed to the development of the learning website by creating the quiz related to the topic and sharing the embedded quiz code generated from Wayground, allowing the quiz to be integrated directly into the website for interactive learning. One of the main challenges I faced during the video development process was using simple and clear language to ensure that junior learners could easily understand the content. Translating technical robotics concepts into age-appropriate explanations required careful planning and multiple revisions. Another challenge was deciding on suitable tools and platforms that were both affordable and effective for demonstrating robot sensors without using physical hardware. After evaluating several options, we decided to use MakeCode, as it is beginner-friendly, visually clear, and suitable for educational demonstrations. In conclusion, through the start of the project until the end, I managed to do it within the timeframe given and I am very satisfied with our work. I am grateful for my teammates that gave their all in making this project a success. Through the process of creating the sensor video, I realised that even complex concepts can be easier to understand when they are explained using simple language.