**Date:** January 20, 2025

**Topic:** Discuss the cause of the current problem

**Attendee**: Dr. Mauro Dragone, Xinpu Li

**Key points of meeting:**

1. In the future, the test of digital calipers needs to abandon the battery, and the esp32 is directly powered, which ensures high concentration in this way.
2. I couldn't read the caliper’s readings. I didn't know why. I tried using Arduino UNO to test the data read by the ESP32, but it was all garbled. And the oscilloscope can't read the value. Maybe we can find some other way to measure the distance. After confirming that there is no obvious problem with the code for the time being, clearly confirm whether there is a problem with the reference video.
3. Enough data needs to be collected before the next meeting to prove that this is not possible. If the caliper can read, then there should be a way to read the signal. Prove that there is no problem with the code and show the signal pattern read from the oscilloscope. And make the circuit diagram, and study whether there is a problem.