

CSL LAB01 FTIR REPORT

Team: 井底資WA

- Youtube Demo Link

<https://youtu.be/YIXRMFqDNWA>

- Requirements

Basic

- ✓ Handwritten digit recognition [0:00]

Bonus

- ✓ Real-time digit recognition [1:07]
- ✓ Gesture recognition (All) [1:57]
- ✓ Finger ID (2 finger + 3 finger) [2:42]

- Summarize

- Through this lab, we gain a more solid understanding about how touchscreen works and its technique. Although we use touchscreens everyday, none of us think about how they actually work before. After completing the bonus parts of the lab, it shed light on the basic technique to us.

- How can we improve?

- The board we used is bended too over, so the light cannot be transmitted through it in a more efficient way. It also leads to a difficulty of aligning the camera to the touchpad region.

- Feedback

- Perhaps the lab can provide 2 or more batteries since our battery is dead way before we completed the lab.