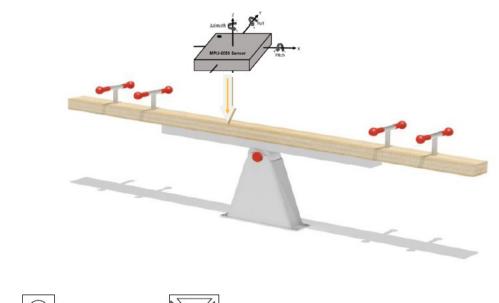
## Dept. of Biomechatronics Engineering, National Taiwan University Automated System Design Lab 1

Page 1/1
Deadline: Demo to TA, before October 06<sup>th</sup>

- Use IMU to sense the attitude of a seesaw and control the seesaw in order to maintain it at horizontal posture.
- 2. Use LCD to display 3 axis angles. Use 7 Segment to display {0, 1, 2} to represent the {yaw, roll, pitch} angle.
- 3. Click the "Mode button" to change the axis. Click the "Check button" to refresh the degree of the angle and display on the LCD.



 $\bigcirc$ 

Mode Button



7 Segement

The {yaw,pitch,roll} angle is xx.xx

LCD

Check Button