淡江大學資工系－專題實驗記錄表

105.09.22 105學年度第1學期第1次系務會議討論通過

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| 一、指導教授：陳建彰教授 | | | 二、組別：居家健身姿勢準確度偵測 | | |
| 三、日期：2023年3月11日 | | | 四、地點：教授家中 | | |
| 五、專題進度：  This week we were focused on how to fix the judgment problem on each movement. So the computer eventually can judge more precisely and not just judge half of the body. And also after taking some suggestions from the advisor, we want to modify the way the computer tracks our movement and count it as the right way to the movement. So, the computer would not just track the start and end of our movement but it would always track the movement and judge whether a certain angle is satisfied. | | | | | |
| 六、專題討論內容大綱：  Before the code changed, we made the computer track the start and the end of the movement at a certain angle. For example, in leg raises the computer would only count it when the angle of the legs is low enough and high enough. But also the legs need to be straightened when we raise and lower it. The computer didn’t judge the middle process when we are raising the legs or lowering it. To solve the half body problem, we can just add more angle to the code but in this problem, we need to change the structure of the code by making it always track the legs using the if function inside of the if function. The first if will function as a tracker that always tracks our movement, and the inside if will function as the achievement that helps the function to check and judge whether a certain angle is fully satisfied. | | | | | |
| 七、評論與討論：  This idea (the if function) was presented by 劉柏辰and 鄧佳朋 through some discussions and we manage to get the work done.Further discussions about what features to add to the project will be discussed in the next discussion. | | | | | |
| 六、出席學生：須簽到 | | | | | |
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實驗助教簽名：*、*指導教授簽名：

註1：每週之專題實驗紀錄表，每組每週需繳交1份，紀錄表內容字數不得少於250字。上傳後之實驗紀錄表由系辦助教審核。