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

| 一、指導教授：陳建彰教授 | | | 二、組別：居家健身姿勢準確度偵測 | | |
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| 三、日期：2023年 3月 17日 | | | 四、地點：教授家中 | | |
| 五、專題進度：  Following extensive discussion, we agreed to modify our code to improve its reliability. With the addition of this feature, users will be able to assess how precise their movements are and so improve their training. Right now, the initial concept is to provide the percentage correctness of the user's movement based on the algorithm that is created using the sample video as the guide. | | | | | |
| 六、專題討論內容大綱：  In order to compute the accuracy, we need to decide the most precise algorithm. Just like what we did before, we decided to split into two small groups whereas 劉柏辰 with 鄧佳朋 and 鐘金文 with 丁麗璠. Each small group comes up with a different calculation idea for the accuracy algorithm. That being the case, we decided to gather to try out and execute the code in order to figure out which one suits our project the most. The accuracy calculation suggested by 劉柏辰 and 鄧佳朋 focuses more on the upper bounds of each angle, while the accuracy proposed by 鐘金文 and 丁麗璠 counts the accuracy by calculating the average angle of the movement. As the outcomes of these two calculations are comparable, for the time being, we choose to keep and test out both versions for a certain period of time to help us decide which algorithm is more accurate. | | | | | |
| 七、評論與討論：  Our group decided to defer choosing the algorithm until the upcoming weekly meeting. The selection of the algorithm and the determination of other useful extra functions will be on the initial agenda for the upcoming 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。