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： | | |
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| 三、日期：2022年10月7日 | | | 四、地點：教授家中 | | |
| 五、專題進度：  After a long discussion and taking into account the professor suggestion, we have chosen a new topic called “Interpretation of the Correct Posture in Exercise 判斷運動姿勢是否正確” that was suggested by one of our group members. The new subject seemed to be more suitable and comprehensible for our project as we are able to set the scope of the research. The professor has also approved our new topic and we can move on to the next step of the research. | | | | | |
| 六、專題討論內容大綱：  As the title addressed, the purpose of our new topic is to help people to get the right posture in their exercise. We begin to collect a few references for the research, discuss the basic function of the project, and look into the library and modules suitable for our project. As we are focusing on image processing, we found some modules and libraries that are well-known and related to image processing and machine learning. Some of the libraries that we consider are Mediapipe, TensorFlow, OpenCV, et cetera. We also found some other references from books and some object detection algorithms that might be useful for the project such as YOLO. Our group decided to put all the data and information that we needed together on GitHub to make it well-ordered. | | | | | |
| 七、評論與討論：  While gathering all the data and references that we need, we are able to get the basic concept of the program. We will be able to start sorting the references and write some of the codes while keep on discussing and exploring the function of the program that we need. | | | | | |
| 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。