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： | | |
| 三、日期：2022年 9月 17日 | | | 四、地點：教授家中 | | |
| 五、專題進度：  Image processing is a method to perform some operations on the image in order to get the desired result of the enhanced image or to retrieve information contained in the image. Without us noticing, there are already many applications of image processing in daily life that make human life easier. For example, license plate recognition helps the cops catch traffic violators. This week we were having a discussion to choose a project based on image processing since its implementation in real life can be found easily. | | | | | |
| 六、專題討論內容大綱：  In the past few weeks, we've gathered a lot of ideas and this week was the time for us to choose which topic that really suitable for us. We chose the idea from 鄧佳朋 which is “Image processing to read sign language”. The main purpose is to help people with hearing impairment to communicate with people that don’t know sign language. After we collect information or data on the sign language, then with deep learning the computer can recognize the sign language through image recognition and vice versa, the machine can first recognize the word we speak convert it to sign language, and display it on screen for the hearing-impaired to see. | | | | | |
| 七、評論與討論：  The problem may occur that the sign language of the hearing-impaired person is not standard or it is not contained in the computer..  To overcome this problem, we need to develop our topic to be more precise. Since the scope of our topic was still too big, and many undesirable problems would occur. So, to prevent this we need to have a discussion about the detailed version of the topic. | | | | | |
| 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。