**Chengdu University of Technology Oxford Brookes College**

**Project Module (CHC 6096)**

**Weekly Report Sheet**

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| STUDENT NAME: | Haley |
| STUDENT NUMBER: | 201918020102 |
| SUPERVISOR NAME: | Happy Monday |
| DATE: | 2/12/2022 |
| Briefly list all the main tasks you accomplished in the week.   * Finish the first draft of GUI using python GUI tools-tkinter * Learn to use GPU server to speed up the training * Train the traditional CNN model and depthwise separable CNN model using cifar-10 dataset * Combine the cifar-10 GUI with the traditional CNN model * Train the MobileNetV2 model using Chinese traffic sings | |
| Briefly state all the challenges you encountered in the week.  The challenge I encountered this week is the image resize problem when building the GUI and I failed to train the depthwise separable CNN model using cifar-10 dataset because the download speed of cifar-10 is too slow. The main goal of this is to compare the performance of two different models. However, I do not use this dataset in my model, and I successfully train the MobileNetV2 using Chinese traffic signs datasets. Also, there is problem in the GUI, it reports the error that it does not have ‘predict’ attribute. | |
| Briefly Plan out the agenda for next week.   * Build GUI for Chinese traffic sign dataset * Fix the image resize problem * Further study of MobileNet model * Refine the MobileNetV2 model | |
| SUPERVISOR SIGNATURE: |  |