**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: | 25/11/2022 |
| Briefly list all the main tasks you accomplished in the week.   * Further learning of Depthwise separable convolution in mobileNet. * Understand the difference of depthwise separable convolution and standard convolution and the advantage of it. * Learn how to calculate the computation in convolution. * Download jupyter notebook, tensorflow and keras on computer and learn how to use it. * Learn an code example of Depthwise separable convolution. | |
| Briefly state all the challenges you encountered in the week.  Configuring the environment for deep learning is a little bit hard, and the read time out problem always happen. But luckily I found the mirror site to speed up. So the environment problem is solved. However, the code is new to me so I speed a lot of time to understand it.  Now I can roughly understand the code, but it still takes time for me to study the keras and tensorflow. | |
| Briefly Plan out the agenda for next week.   * Resize the image in dataset for data preprocessing. * Split the dataset into train and test. * Further study of Depthwise separable convolution in mobileNet. * Further study of keras and tensorflow. * Start designing the CNN model. * Start realizing the model with code. | |
| SUPERVISOR SIGNATURE: |  |