**Chengdu University of Technology Oxford Brookes College**

**Project Module (CHC 6096)**

**Weekly Report Sheet**

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| STUDENT NAME: | James |
| STUDENT NUMBER: | 201918010413 |
| SUPERVISOR NAME: | Joojo Walker |
| DATE: | December 5 to December 11 |
| Briefly list all the main tasks you accomplished in the week.  Project progress: More in-depth data exploration and feature engineering was carried out, new variables and features were attempted to be introduced, and the model was again optimised and improved.  Data analysis and visualisation results: data exploration and feature engineering was carried out using the pandas library in Python, and data distribution and feature correlation plots were drawn using the seaborn and matplotlib libraries. | |
| Briefly state all the challenges you encountered in the week.  Problems encountered: When introducing new variables and features, some problems of incomplete and inconsistent data were encountered, requiring further processing and cleaning of the data. | |
| Briefly Plan out the agenda for next week.  Next steps: continue feature engineering and data cleaning to further optimise the model, and perform model fusion and integration learning. | |
| SUPERVISOR SIGNATURE: |  |