**Chengdu University of Technology Oxford Brookes College**

**Project Module (CHC 6096)**

**Weekly Report Sheet**

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| STUDENT NAME: | Tony |
| STUDENT NUMBER: | 201918020429 |
| SUPERVISOR NAME: | Jakir Hossain |
| DATE: | 2022.4.15 |
| Briefly list all the main tasks you accomplished in the week.   1. The mobile electronic payment model based on the improved ECC encryption algorithm designed by myself is compared with other similar models, and a table is made to let the reader can intuitively see the security of each model. 2. Tables and graphs about the encryption and decryption speed of RSA and ECC (Fp) are drawn to show the reader intuitively. | |
| Briefly state all the challenges you encountered in the week.   1. It took a lot of time to select the curves suggested by NIST and the Federal Information Processing Standard (FIPS) because finding the correspondence required searching them. | |
| Briefly Plan out the agenda for next week.   1. Write my own payment model in JAVA. 2. Complete the first draft of the Final report. | |
| SUPERVISOR SIGNATURE: |  |