

## **PHYS379 Quantum Computer group 3**

**Tuesday 14<sup>th</sup> February 2023 Minutes**

**15:00 – 17:00 Library meeting A5**

1. Exchange of code – Qiskit isn't working on Sam's laptop, so code was sent to Ana for her to run. Sid sent his RSA algorithm to Sam.
2. Running each other's codes – Most/all our shared (thus far) completed code can be found in files.
3. Discussion of upgrades/changes to our codes to improve efficiency and simplicity.
4. Sid and Sam discussing Shor's algorithm and how we would code how the number of qubits is determined by the number  $N$ . The number of qubits has to give a value that lies between  $2\ln(N)/\ln(2)$  and  $1+2\ln(N)/\ln(2)$ .
5. Discussion of the project report write up. We will start writing 2/3 weeks before it is due in LaTeX. We will use Overleaf LaTeX in the future to write the project and send over written work.