PHYS379 Group 3 Minutes

Date and Time: 06/02/2023 @ 13:00
Location: Library A3 Study Space

1. **Appointment of chair & secretary**
   Willow is appointed as secretary for today. Sid is joining online.

2. **Tuesday Presentation**
   We have decided who will present which sections of our presentation. Sam will cover the basics of quantum logic. Ana will talk about Grover's Algorithm itself. Willow will then talk about Grover Adaptive Search in our exoplanet project. Sam and Sid will then discuss Shor's Algorithm.

3. **Gantt Chart and Plan Sheet**
   We finalised our Gantt Chart and project plan document to hand in tomorrow and then sent it to Ed.

4. **Matters arising**
   Ana has written a program that uses the data from the exoplanet encyclopaedia to calculate Earth Similarity Indexes of each planet. There was a very minor issue with the units used in the calculations, which she will correct.

5. **Allocation of tasks**
   Willow will work on implementing Grover's algorithm in python this week using numpy, whilst Ana will work on implementing it using Qiskit. Sam will continue working on implementing the Quantum Fourier transform.

6. **AOB**
   We will decide the time and location of our next meeting via Teams.