**Minutes taken for session 1 (17/01/2024) :**

All members are present

Board member introduced themselves .

Introduced us to the topic and gave a presentation on the forthcoming task.

Discussed resources we could use to aid in our research.

Suggested we start our literature review.

General Q and A

Resources shared:

* Lakowicz fluorescence Spectroscopy textbook

Things to do by next session:

* Read the textbook or use resources to start understanding the physics.
* Begin the literature review.

**Minutes taken for session 2 (30/01/2024) :**

All members are present

Discussed queries about the risk assessment for the experiment and how we should approach it.

This led to the suggestion that if and when we visit a laboratory, the associated safety protocols are incorporated into our risk assessment.

Discussed the theoretical origins of the disparity between frequency domain and time domain measurements for more insight.

General Q and A

Resources shared:

* MATLAB code for generating simulation data.

Things to do by next session:

* Note down any questions or queries for the next session on Thursday.

**Minutes taken for session 3 (01/01/2024) :**

All members of group B are present

Discussed the use of MATLAB and simulations.

Discussed the opportunity to reach out to known experts for advice.

Discussed the possibility of visiting the lab and witnessing a live demonstration of fluorescence decay, possibly using the data for our own conclusions.

Inter-group collaboration was discussed to enhance productivity and the idea of creating smaller groups within a group working on similar tasks to make sure skills are distributed.

General Q and A.

Resources shared:

* <https://www.sciencedirect.com/science/article/pii/S0006349515000752>
* https://laser.ceb.cam.ac.uk/research/resources

Things to do by next session:

* Make sure the group is sufficiently familiar with the theory of the experiment.
* Have a couple group members to be familiarised with MATLAB syntax.

**Minutes taken for session 4 (08/02/2024):**

All members of group B are present

Python code of the decay curve was discussed with Board members. Further analysis and statistical methods were advised.

Discussed the errors of the phasor approach.

Pre-organising the lab visit.

Discussed the simulation of phasor value using matlab program, and the effects of noise in many simulations.

General Q and A.

Resources shared:

* Risk assessment
* Local rules

Things to do by next session:

* Organise a date for lab visit and subsequently visit the lab during reading week.