# EEE3097S Weekly Review Report

## Week 1
## 30 July 2023

### Group Members:

| Student Name | Student Number |
|---|---|
| Sibusisiwe Hlabangana | HLBSIB006 |
| Nene Karingi | KRNNEN001 |
| Zuhayr Halday | HLDZUH001 |

## Project Status

### Accomplishments:

- Started researching more about Raspberry Pi and Acostic Triangulation
- Started completing the MATLAB onramp course.
- Collected components and formed the group.

### Issues

- Research paper use a lot of technical language.

Consulted with other students to better understand the assignment and using YouTube videos

- Difficulty initially understanding what the project entailed.

Consulted with the tutors and other groups to get a better understanding of the expectations.

- Difficulties figuring out how to download and use Mathlab

YouTube videos have been very useful to clear up any confusion from the course.

### Upcoming Tasks

- Continue the MATLAB onramp course.
- Reading more research papers to start fully grasping the project.
- Start milestone 1 and attend the optional lab to consult with the tutors.
- Complete at least the requirement analysis and parts of the subsystem design

### Attachments

*Relevant links*

**Set Up a TDOA System**
Link: https://panoradio-sdr.de/set-up-a-tdoa-system/

**Sound Direction and Range Finder System**
Link: https://forums.raspberrypi.com/viewtopic.php?t=94203

Signatures:

# Asynchronous Acoustic Localization Using Time Difference of Arrival


**Prepared by:**
David Gavriel Da Costa

**Prepared for:**
Dr Stephen Paine
Department of Electrical Engineering
University of Cape Town

Submitted to the Department of Electrical Engineering at the University of Cape Town
in partial fulfilment of the academic requirements for a
Bachelor of Science degree in Electrical and Computer Engineering

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(The research paper is 96 pages long – It has been a useful resource)