Project Updates: 08-03-2024

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Introduction

- **Supervision Meetings:**
  Consists of a listing in table format of the supervision meetings that have occurred since the last update, including dates, attendees, and a brief description of discussions and actionable items.
- **Actionable Items Recap:**
  Consists of a listing in table format of the actionable items from the previous week, briefly discussing the progress made and pending tasks.
- **Additional Project Updates:**
  Consists of updates that weren't 'actionable items' from the previous week, such as brief overviews of experiments conducted, data collected, and research findings.
- **Next Week's Agenda:**
  Consists of a listing in table format of the actionable items to complete before the next weekly update, including task descriptions, rough timelines, and success metrics.
- **Comments & Concerns:**
  Consists of a brief analysis of comments or observations about other aspects of the project, such as facilities, work environment, and any outside interest in the project. Furthermore, outlines any concerns about the project.

1 08-03-2024

1.1 Supervision Meetings

Date	Agenda	Actionable Items	Attendees
05-03-2024	• Initial report feedback review for first draft with Ben.	• Write second draft taking into account of the feedback.	• Sidharth Shanmugam • Paul Mitchell • Benjamin Henson

1.2 Actionable Items Recap

Actionable Item	Progress Report	Pending Tasks
• Complete initial report.	• I have completed and submitted the report.	• -

1.3 Additional Project Updates

Additional Update	Description
I have a project timeline Gantt chart set up to track project progress	Accessible from the project GitHub page (`https://github.com/Sidharth-Shanmugam-MEng-Project-2023-24`), and is called 'project-timeline' (`https://github.com/Sidharth-Shanmugam-MEng-Project-2023-24/project-timeline`)

1.4 Next Week's Agenda

Actionable Item	Description	Success Metrics	Target
Script to record footage from RPi and Pi GS camera.	• During this week, I've been able to record in un-encoded raw format. I need to find a way to parse this data to view the footage. • If I can't get this working, then I already have a failsafe in place - logic to record with MJPEG encoding with zero lossy compression.	• Code pushed to its GitHub repository.	Tuesday
Record test footage	• With the script to record footage completed, I can then use the facilities at the ISA to record test footage.	• Footage recorded.	Thursday
Research real-time metrics and implement in backscatter cancellation software	• Need to research ways to accurately record real-time metrics in Python. • Need to research which metrics are important for this project and must implement in software.	• Code pushed to its GitHub repository (tagged V1)	Friday

1.5 Comments & Concerns

No comments or concerns at the moment.