



Faculty of Engineering and Applied Science  
ENGR 4940U Capstone Systems Design for ECSE I

## **Low Cost Drone Light Show**

Activity Logs

## ACTIVITY & MEETING LOGS

### 04 October 2022

The goal of this meeting was to meet with Dr.Lu to discuss the future of our project. This is an introductory meeting to get familiar with how and what should be done for the remainder of the semester.

Tasks	Completed By	# of Days
Research more on drones and how they are incorporated into light shows to get a better understanding	Michelle Munazza Nivetha Rodaba Tioluwanimi	15

### 05 October, 2022

The goal of this meeting was to divide up the different parts of report 1 and discuss the remaining parts of research.

Tasks	Completed By	# of Days
Problem Identification	Munazza	2
Background and Research	Michelle Rodaba Tioluwanimi	4
Design Process	Michelle Rodaba	4
Scenarios and Use Cases	Tioluwanimi	8
Stakeholder Requirements	Nivetha	8
Acceptance Tests	Munazza	3

**24 October 2022**

The goal of this meeting was to discuss report 1 and set goals to accomplish for report 2. The research done within report 1 was also discussed to determine how to move forward for the next steps of the project.

Tasks	Completed By	# of Days
Further research on drones must be completed to finalize the route to take for the project	Michelle Tioluwanimi	8
Further research on the software/scripts of the drone must be completed to familirize ourselves	Munazza Rodaba Nivetha	6
Concept Generation and Analysis	Michelle Tioluwanimi	13
Conceptual System Design	Michelle Munazza Tioluwanimi	9
Integration Tests	Rodaba Nivetha	3
Estimated Costs	Rodaba Nivetha	3

**26 October 2022**

The goal of this meeting was to discuss the next steps and choosing a drone that would work best for this project. Different routes were discussed during the meeting and deliverables were decided. The simulation was also discussed as a deliverable, we were able to allocate different tasks for the drone and for the simulation.

Tasks	Completed By	# of Days
Buy drone materials	Michelle Tioluwanimi	4
Software simulation research	Munazza Rodaba Nivetha	6

## 2nd November 2022

The goal of this meeting was to discuss our plans for report 2. We also planned on meeting with Dr.Lu within the next couple days. We discussed our finalized research and our goals to accomplish for this semester and how it will continue into next semester.

*Tasks are ongoing from 24th October meeting*

Tasks	Completed By	# of Days
Concept Generation and Analysis	Michelle Tioluwanimi	13
Conceptual System Design	Michelle Munazza Tioluwanimi	9
Integration Tests	Rodaba Nivetha	3
Estimated Costs	Rodaba Nivetha	3

## 4th November 2022

The goal of this meeting was to show our progress to Dr. Lu and the research that was completed.

Tasks	Completed By	# of Days
Discuss with Dr.Lu about our drone decision and the goals of our light show	Michelle Tioluwanimi Rodaba Nivetha Munazza	2

## 7th November 2022

The goal of this meeting was to discuss the progress of our second report and to address any concern we have with the project at this point.

*Tasks are ongoing from 2nd November meeting*

Tasks	Completed By	# of Days
Concept Generation and Analysis	Michelle Tioluwanimi	13
Conceptual System Design	Michelle	9

	Munazza Tioluwanimi	
Integration Tests	Rodaba Nivetha	3
Estimated Costs	Rodaba Nivetha	3

### 11th November 2022

The goal of this meeting was to get familiar with the drone that we had purchased. We should be able to run simple scripts in order to see the functionality of the drone.

Tasks	Completed By	# of Days
Research the usage of the software scripts with the drone. Create simple scripts for the drone with testing	Michelle Tioluwanimi Rodaba Nivetha Munazza	5
Complete basic scripts on the drone with testing	Michelle	2

### 18th November 2022

The goal of this meeting was to divide the different aspects of the final presentation.

Tasks	Completed By	# of Days
Final Presentation Powerpoint	Michelle Tioluwanimi Rodaba Nivetha Munazza	12
Introduction	Rodaba	2
Background	Rodaba Tioluwanimi Nivetha	4
Design Process	Munazza Michelle	6

**24th November 2022**

The goal of this meeting was to ensure our progress and findings for the final presentation were going accordingly as planned.

*Tasks are ongoing from 18th November meeting*

Tasks	Completed By	# of Days
Final Presentation Powerpoint	Michelle Tioluwanimi Rodaba Nivetha Munazza	12
Introduction	Rodaba	2
Background	Rodaba Tioluwanimi Nivetha	4
Design Process	Munazza Michelle	6

**29th November 2022**

The goal of this meeting was to ensure our scripts were working successfully on the drone.

*Tasks are ongoing from 11th November meeting*

Tasks	Completed By	# of Days
Research the usage of the software scripts with the drone. Create simple scripts for the drone with testing	Michelle Tioluwanimi Rodaba Nivetha Munazza	2
Complete basic scripts on the drone with testing	Michelle	2

**30th November 2022**

The goal of this meeting was to ensure our scripts and presentation were completed for the presentation happening in the next couple days.

Tasks	Completed By	# of Days
Research the usage of the	Michelle	2

software scripts with the drone. Create simple scripts for the drone with testing	Tioluwanimi Rodaba Nivetha Munazza	
Complete basic scripts on the drone with testing	Michelle	2
Final Presentation Powerpoint	Michelle Tioluwanimi Rodaba Nivetha Munazza	2