



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

Low Cost Drone Light Show

Activity Logs

Group 34

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Group 34

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 the expectations and what needs to 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 Toluwanimi	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 Toluwanimi	4
Design Process	Michelle Rodaba	4
Scenarios and Use Cases	Toluwanimi	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	Michelle	8

must be completed to finalize the route to take for the project	Toluwanimi	
Further research on the software/scripts of the drone must be completed to familiarize ourselves	Munazza Rodaba Nivetha	6
Concept Generation and Analysis	Michelle Toluwanimi	13
Conceptual System Design	Michelle Munazza Toluwanimi	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 Toluwanimi	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
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Concept Generation and Analysis	Michelle Toluwanimi	13
Conceptual System Design	Michelle Munazza Toluwanimi	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 Toluwanimi 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 Toluwanimi	13
Conceptual System Design	Michelle Munazza Toluwanimi	9
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 Toluwanimi 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 Toluwanimi Rodaba Nivetha Munazza	12
Introduction	Rodaba	2
Background	Rodaba Toluwanimi 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	Michelle	12

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

Powerpoint	Toluwanimi Rodaba Nivetha Munazza	
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13th December 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 software scripts with the drone. Create simple scripts for the drone with testing	Michelle Toluwanimi Rodaba Nivetha Munazza	2
Complete basic scripts on the drone with testing	Michelle	2
Final Presentation Powerpoint	Michelle Toluwanimi Rodaba Nivetha Munazza	2

27th December 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 software scripts with the drone. Create simple scripts for the drone with testing	Michelle Toluwanimi Rodaba Nivetha Munazza	2
Complete basic scripts on the drone with testing	Michelle	2
Final Presentation Powerpoint	Michelle Toluwanimi Rodaba Nivetha Munazza	2

January 10th, 2023

The goal of this meeting was to plan out our application. .

Tasks	Completed By	# of Days
Plan out application	Michelle Toluwanimi Rodaba Nivetha Munazza	1
Make Figma prototype of app	Munazza Toluwanimi	7
Start React project + Github (software)	Munazza Toluwanimi	7
Drone programming + lights (hardware)	Michelle Rodaba Nivetha	Ongoing (14)

January 17th, 2023

Presented and received feedback from Dr. Lu (Supervisor) on our application brainstorm and drone programming.

January 24th, 2023

The goal of this meeting was to plan out our application. .

Tasks	Completed By	# of Days
Plan out application	Michelle Toluwanimi Rodaba Nivetha Munazza	1
Make Figma prototype of app	Munazza Toluwanimi	7
Start React project + Github (software)	Munazza Toluwanimi	7
Drone programming + lights (hardware)	Michelle Rodaba Nivetha	Ongoing (14)

February 7th, 2023

The goal of this meeting was to plan out our application. .

Tasks	Completed By	# of Days
Plan out application	Michelle Toluwanimi Rodaba Nivetha Munazza	1
Make Figma prototype of app	Munazza Toluwanimi	7
Start React project + Github (software)	Munazza Toluwanimi	7
Drone programming + lights (hardware)	Michelle Rodaba Nivetha	Ongoing (14)

February 14, 2023

The goal of this meeting was to update our progress on the previously discussed meeting objectives.

Tasks	Completed By	# of Days
Start Report 1 Winter Layout	Michelle Toluwanimi Rodaba Nivetha Munazza	7
Plan out application	Michelle Toluwanimi Rodaba Nivetha Munazza	1
Make Figma prototype of app	Munazza Toluwanimi	7
Start React project + Github (software)	Munazza Toluwanimi	7

Drone programming + lights (hardware)	Michelle Rodaba Nivetha	Ongoing (14)
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February 21, 2023

The goal of this meeting was to update our progress on the previously discussed meeting objectives and the purchased drones and other equipment

Tasks	Completed By	# of Days
Start Report 1 Winter Layout	Michelle Toluwanimi Rodaba Nivetha Munazza	
Research the usage of the software scripts with the drone. Create simple scripts for the drone with testing	Michelle Toluwanimi Rodaba Nivetha Munazza	5
Complete basic scripts on the drone with testing	Michelle	4
Research the lights connections to the drone	Nivetha Rodaba	5
Start working on the next pages of the application	Toluwanimi Munazza	7

February 28, 2023

The goal of this meeting was to update our progress on the previously discussed meeting objectives and the purchased drones and other equipment

Tasks	Completed By	# of Days
Make Figma prototype of app	Munazza Toluwanimi	Ongoing (7)
Start next pages for the	Munazza	Ongoing (7)

React project + Github (software)	Toluwanimi	
Drone programming + lights (hardware)	Michelle Rodaba Nivetha	Ongoing (14)

March 7, 2023

The goal of this meeting was to update our progress on the previously discussed meeting objectives and the purchased drones and other equipment

Tasks	Completed By	# of Days
App development	Munazza Toluwanimi	Ongoing (7)
Drone programming + lights (hardware)	Michelle Rodaba Nivetha	Ongoing (14)

March 9, 2023

The goal of this meeting was to update our progress to our supervisor Dr.Lu and get feedback.

March 14, 2023

The goal of this meeting was to work on our drones and the app development.

Tasks	Completed By	# of Days
App development	Munazza Toluwanimi	Ongoing (7)
Drone programming + lights (hardware)	Michelle Rodaba Nivetha	Ongoing (14)

March 21, 2023

The goal of this meeting was to work on our drones and the app development.

Tasks	Completed By	# of Days
App development	Munazza Toluwanimi	Ongoing (7)

Drone programming + lights (hardware)	Michelle Rodaba Nivetha	Ongoing (14)
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March 22, 2023

The goal of this meeting was to update our progress to our supervisor Dr.Lu and get feedback.

March 28, 2023

The goal of this meeting was to work on our drones and the app development.

Tasks	Completed By	# of Days
App development	Munazza Toluwanimi	Ongoing (7)
Poster Design	Munazza Toluwanimi	Ongoing (2)
Drone programming + lights (hardware)	Michelle Rodaba Nivetha	Ongoing (14)

March 29, 2023

The goal of this meeting was to finalize details for our final presentation in front of Dr. Lu (supervisor) and Dr. V.K.Sood.

Tasks	Completed By	# of Days
Presentation Preparation	Munazza Toluwanimi Michelle Rodaba Nivetha	Ongoing (3)
Poster Design	Munazza Toluwanimi	Ongoing (3)
Drone Video Demo Recording	Michelle Rodaba Nivetha	Ongoing (3)
Application Video Demo Recording	Munazza Toluwanimi	Ongoing (3)

April 2, 2023

The goal of this meeting was to finalize details for our final presentation in front of Dr. Lu (supervisor) and Dr. V.K.Sood.

Tasks	Completed By	# of Days
Presentation Preparation	Munazza Toluwanimi Michelle Rodaba Nivetha	Ongoing (3)
Poster Design	Munazza Toluwanimi	Ongoing (3)
Drone Video Demo Recording	Michelle Rodaba Nivetha	Ongoing (3)
Application Video Demo Recording	Munazza Toluwanimi	Ongoing (3)

April 3, 2023

The goal of this meeting was to finalize details for our final presentation in front of Dr. Lu (supervisor) and Dr. V.K.Sood.

Tasks	Completed By	# of Days
Presentation Preparation	Munazza Toluwanimi Michelle Rodaba Nivetha	Ongoing (3)
Poster Design	Munazza Toluwanimi	Ongoing (3)
Drone Video Demo Recording	Michelle Rodaba Nivetha	Ongoing (3)
Application Video Demo Recording	Munazza Toluwanimi	Ongoing (3)

April 4, 2023

Finalize presentation in front of Dr. Lu (supervisor) and Dr. V.K.Sood.

April 5, 2023

The goal of this meeting was to finalize details for our Capstone Exhibition.

Tasks	Completed By	# of Days
Presentation Preparation	Munazza Toluwanimi Michelle Rodaba Nivetha	Ongoing (3)
Poster Design	Munazza Toluwanimi	Ongoing (3)
Drone Video Demo Recording	Michelle Rodaba Nivetha	Ongoing (3)
Application Video Demo Recording	Munazza Toluwanimi	Ongoing (3)

April 6, 2023

The goal of this meeting was to finalize details for our Capstone Exhibition.

Tasks	Completed By	# of Days
Presentation Preparation	Munazza Toluwanimi Michelle Rodaba Nivetha	Ongoing (3)
Poster Design	Munazza Toluwanimi	Ongoing (3)
Drone Video Demo Recording	Michelle Rodaba Nivetha	Ongoing (3)
Application Video Demo Recording	Munazza Toluwanimi	Ongoing (3)