

# Dual Handheld and video otoscopy unit

Date: 3/21/2025

Client: Dr. Lara Tomich & Dr. Amy Nechelason

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Team:

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## Problem statement:

The current designs of handheld otoscopes for animal practice do not allow video transfer to a distant view compared to a video otoscope, which is practiced differently in simulations. The goal is to design a handheld otoscope with video capabilities to allow student-performed examinations to be visualized to the faculty for assessments.

## Brief status update

- Reports to journal, design modifications

## Difficulties / advice requests

- N/A

## Current design:

- Optical Fiber design

## Materials and expenses

To be updated once some order receipt and amazon information is finalized on our end.

Item	Description	Manufac-turer	Mft Pt#	Vendo r	Vendor Cat#	Date	#	Cost Each	Total	Link
<b>Electrical Component</b>										
<b>Camera Components</b>										
<b>MakerSpace Hardwares + 3D Prints</b>										
<b>Current Total</b>								<b>Total</b>		

## Major team goals for the next week

1. Catch up on progress and consultation with goals set up

## Next week's individual goals

- Sam
  - Design modifications
- Aaron
  - Design modifications
- Bobby
  - Journal submission considerations
- Andy
  - Journal submission considerations

## Timeline

Task	Jan		Feb				March				April			
	24	31	7	14	21	28	7	14	21	28	4	11	18	25
<b>Project R&amp;D</b>	x	x	x	x	x	x	x	x	x					

Empathize	x	x	x	x	x									
Background	x													
Prototyping	x													
Testings														
<b>Deliverables</b>														
Progress Reports	x	x	x	x	x	x	x	x	x					
PDS	x	x	x	x	x	x	x	x	x					
Prelim presentation				x										
Final Poster														
<b>Meetings</b>														
Client		x												
Advisor	x	x	x	x	x	x	x	x	x					
<b>Website</b>														
Update	x	x	x	x	x	x	x	x	x					

Filled boxes = projected timeline

X = task was worked on or completed

## Previous week's goals and accomplishments

- Sam previous goal
  - Design modifications
- Bobby previous goal
  - Design modifications
- Aaron previous goal
  - Journal Submission research
- Andy previous goal
  - Journal Submission research
- Team previous goal
  - N/A

## Activities

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Sam					
Bobby					
Aaron					
Andy					

