## **Dual Handheld and video otoscopy unit**

Date: 2/21/2025

Client: Dr. Lara Tomich & Dr. Amy Nechelason

Advisor: Professor Paul Campagnola

Team:

Sam Tan — Leader stan68@wisc.edu

Aaron Marattil — Communicator marattil@wisc.edu

Haoming (Bobby) Fang — BWIG <u>hfang45@wisc.edu</u>

Andy Slayton — BPAG <u>aslayton@wisc.edu</u>

#### **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	l#	Cost Each	Total	Link
<b>Electrical Com</b>	ponent				-			-		
Camera Compo	onents									
MakerSpace H	ardwares + 3D Print	:s								
<b>Current Total</b>								Total		

## Major team goals for the next week

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

## Next week's individual goals

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

#### **Timeline**

Task	Já	an		F	eb		March					April		
	24	31	7	14	21	28	7	14	21	28	4	11	18	25
Project R&D	Х	Х	Х	Х	Х									

Empathize	Х	Х	Х	Х	Х					
Background	Х									
Prototyping	Х									
Testings										
Deliverables										
Progress Reports	Х	Х	Х	Х	Х					
PDS	Х	Х	Х	Х	Х					
Prelim presentation				Х						
Final Poster										
Meetings										
Client		Х								
Advisor	Х	Х	Х	Х	Х					
Website										
Update	Х	Х	Х	Х	Х					

**Filled boxes** = projected timeline **X** = task was worked on or completed

# Previous week's goals and accomplishments

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

#### **Activities**

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