### Dual Handheld and video otoscopy unit

Date: 9/27/2024

Client: Dr. Lara Tomich & Dr. Amy Nechelason Advisor: Professor Paul Campagnola Team:

Sam Tan — Leader

Aaron Marattil — Communicator

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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

• Research

### **Difficulties / advice requests**

•

# **Current design:**

• Old design

#### Materials and expenses

Item	Description	Manufac- turer	Mft Pt#	Vendo r	Vendor Cat#	Date	#	Cost Each	Total	Link	
Electrical Component											
Camera Compo	Camera Components										
MakerSpace H	ardwares + 3D Print	S									
Current Total								Total			

### Major team goals for the next week

- 1. Client meeting and ask questions
- 2. Established project expectation and schedule
- 3. Set up meeting times and initial research

### Next week's individual goals

- Sam
- Aaron
- Aaron
- Bobby
- 0
- Andy o

#### Timeline

Task	September			October				November					December	
ruon	13	20	27	4	11	18	25	1	8	15	22	25	6	13
Project R&D														
Empathize														
Background	Х													

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

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

# Previous week's goals and accomplishments

- Sam previous goal
  - Electronic component research, re-design of speculum.
- Bobby previous goal
  - 0
- Aaron previous goal
  - 0
- Andy previous goal
- Team previous goal 6
  - None

#### **Activities**

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Sam					1
Bobby					
Aaron					
Andy					