

# Dual Handheld and video otoscopy unit

Date: 10/04/2024

Client: Dr. Lara Tomich & Dr. Amy Nechelason

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Team:

Sam Tan — Leader

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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

- Material purchased (optical fibers and some LED, will update the expense chart later)

## Difficulties / advice requests

- N/A

## Current design:

- Old design



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

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
  - Research lighting options
  - Contacted ThorLab for informations
- Aaron previous goal
  - Researched otoscopy and background of design
- Andy previous goal
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- Team previous goal 6
  - None

## Activities

Name	Date	Activity	Time (h)	Week Total (h)	Sem. Total (h)
Sam	10/2/24	Optical fibers research	1	1	3.5
Bobby	10/6/24	Material research	2	2	4.5
Aaron					2

Andy					
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