

Minutes, Company 1

June 06, 2022

In-person attendees - Craig Scratchley, Mohammad Soltanshah, Dylan Rowsell, Harley McLachlan, Anika Sheikh, Adham Sorour, Ramanpreet Kaur

Remote attendees - Riku Makita

Absent: None

Location – Lab 1, 8888 University Drive, SFU

Regrets: None

Purpose: First Progress Review

Minutes:

Meeting started at 2:32PM on 2022-06-06 by Dylan and Raman explaining the capstone idea to Craig and Mohammad

A. Team Introduction

- 3 computer engineers ○
Anika, Dylan, Adham
- 2 electronics engineers ○
Raman, Riku
- 1 systems engineer ○
Harley

B. Implementation

- Using a smart mirror and RFID technology in conjunction with facial recognition to remind users for important belongings

C. Target Market

- Seniors
- People with ADHD – Reddit project idea origination
- Kids – to ensure they have everything for school, so their parents don't have to remind them every day

D. Progress

- Recently finalized the idea
- In Early research stage for different methods of implementation

E. Team's Concern with the idea

- Some items cannot be RFID tagged
- Some items are one off and a reminder may not be needed

F. Risks/Remediation for the project

- Current chip shortages – long ship time
- Technology of scanning
 - Range, accuracy, accessibility
- Facial Recognition Software

- Privacy
- Saving each family member's face
- Privacy issues with keeping user information confidential

G. Craig and Mohammad's Questions and Concerns

- Mohammad would like to see some PowerPoint slides for future meetings to ensure all information are notable
- Craig: Can't you attach a Samsung tablet? why use a smart mirror in the first place?
 - Problem with this: RFID tags must be installed in tablet so it will have multiple components
- Craig suggests looking into Bluetooth chips instead of RFID tags for longer detection range
- Craig mentions the requirement document (due June 13th) should focus on what we are implementing not how we are implanting it
 - Don't spend too much time thinking about implementation

H. Things to do before next meeting in week of July 4th, 2021

- Adham, Harley: Investigate possible Bluetooth chips as a possible alternative for RFID tags
- Anika, Adham, Dylan, Harley, Raman, Riku: Manually add page numbers to journals

Meeting is adjourned at 3:03PM

Next Progress review meeting will be held the week of July 4th