

CS 530 - Project Report - SafeT Alarm

1. Name of Teammates: Alexis Lee, Stephanie Chen, Hanh Nguyen (Hannah), Regina Norton

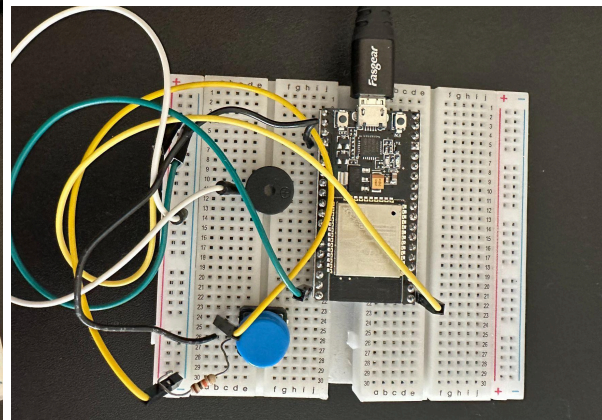
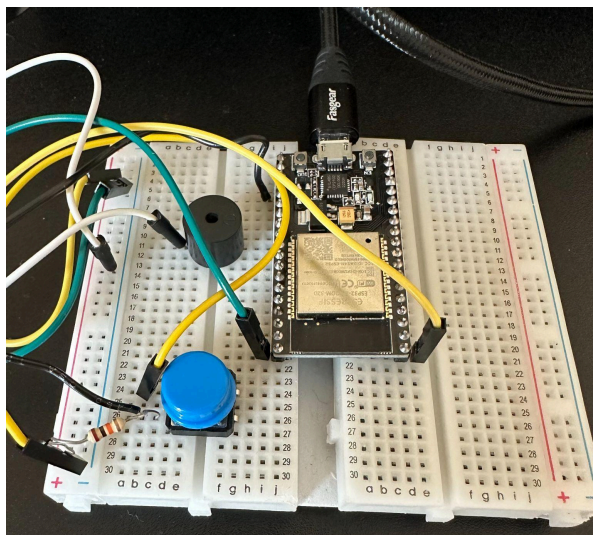
2. Project Description and Summary:

Our project seeks to solve the issue of campus security and overall life safety. By providing users with the ability to notify authorities and activate an alarm, users will be better equipped to protect themselves. This initiative aims to provide individuals with a reliable and convenient safety solution, promoting a safer environment.

We are committed to safeguarding lives and promoting peace of mind. Recent trends in crime rates, emergency response times, and a rising awareness of personal safety has brought with it a pressing need for innovative safety solutions. In the modern age, family members and trusted friends can be notified almost instantly when a victim is in danger. Technology can be harnessed as a tool to create easy, and affordable ways to provide protection. In light of these developments, it is imperative that we address these safety concerns to the best of our ability. This project proposal seeks to leverage advancements in mobile devices and GPS technology to create a cutting-edge safety alarm that meets current needs and also anticipates future challenges.

3. How It Works

This device activates at the click of a button, and emits a loud alarm and sends an emergency text message to the user's three chosen contacts. This device is meant not to be a weapon, but to be a deterrent to any bad actors.



4. Task Distribution

- Bluetooth or wifi device connectivity: Hanh, Stephanie
- Hardware set-up: Alexis, Regina
- Software development: all
 - Functionality:
 - Button press → text message alert: Hanh, Stephanie
 - Button press → trigger alarm: Alexis, Regina
 - Establishing the link between the smartphone and Arduino: Hanh, Stephanie
- Record demo video: all
- Project report: all
- Source code & ReadMe file: all

5. Video Link:

<https://www.youtube.com/watch?v=CIvkRdJC6ZA>