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Objective:

When a shooting occurs, the average emergency response time is 18 minutes.

Much of this delay comes from communicating the emergency to the appropriate authorities and response teams. The average active shooting incident lasts only 12.5 minutes. Our goal is to design a low-cost indoor gunshot detection system capable of alerting the proper authorities to reduce overall response times.

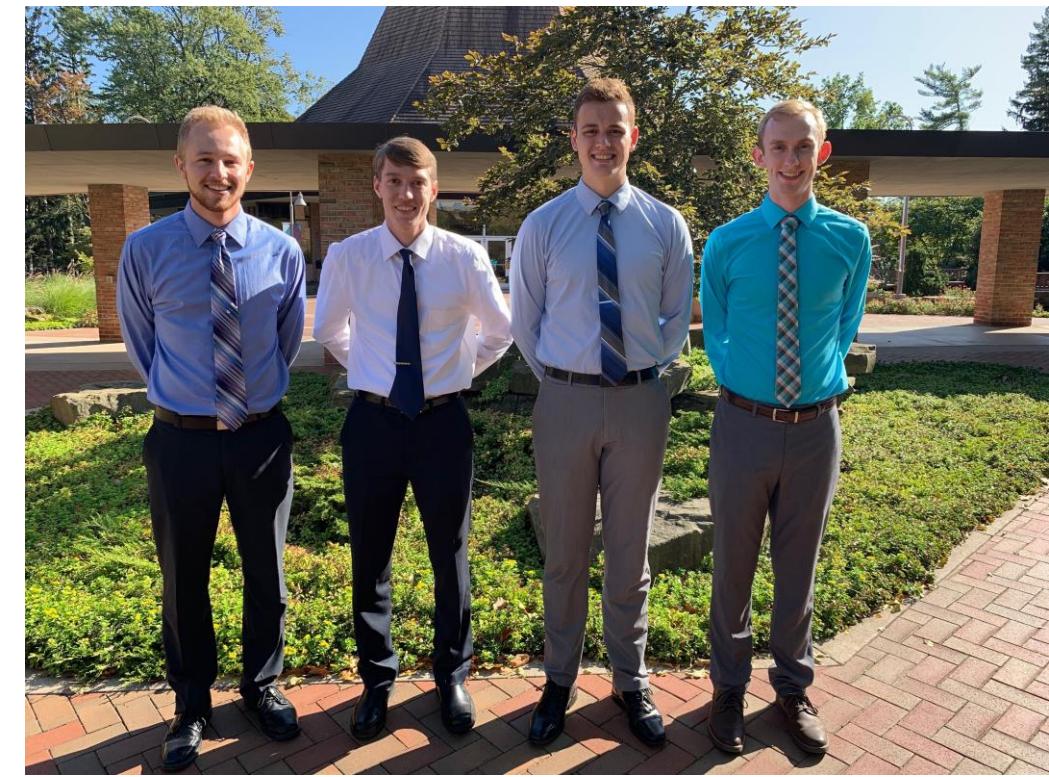
Current Systems:

Current systems for detecting gunshots, such as the ShotSpotter[®], are generally extremely expensive and are primarily for outside usage.

Current indoor systems are also quite expensive and may not be generally accessible.

Philippians 2:4 – Let not each of you look to his own interests, but also to the interest of others.

Proverbs 3:27 – Do not withhold good from those whom it is due, when it is in your power to act.



Basic Objectives

- Inexpensive (accessible)
- Identify when and where a gun was shot inside a building
- Detection Time less than 1 second
- Secure System

Advanced Objectives

- Constantly track the shooter's location
- Direct students/pedestrians out of harm's way
- Low-energy consumption
- Identify weapon type

