**Why is This Important?**
Reducing the amount of laptop theft at large universities is important because according to the statistics, many laptops are stolen each year on Georgia Tech’s campus. Laptops are an essential component of a college student’s personal lifestyle and academic achievement. Given their high price, the amount of personal data they hold, and their ease of travel, they are desirable and convenient to steal as well as irreplaceable to the owner. Being able to hinder the possibility of these type of thefts through our solution has the possibility of benefiting many laptop owners.

Initially, we were focused on improving communication between police officers and college students to possibly decrease crime rates. After speaking with our advisors and listening to their advice, we learned that communication was not an ideal problem space for our team to try to improve. After studying crime logs within our area, we learned that theft is the highest reported crime in an area. We determined that laptop theft specifically would not only be an appropriate problem in regards to crimes reported, but that it was an area in which we believed we could make a tremendous impact.

**Our Findings for Justification**

**To further focus the problem statement, we will decrease laptop thefts that occur on large research universities, such as Georgia Tech.**

In order to decrease laptop theft, we will create a solution that utilizes other technology. For instance, a possible solution could be creating an app that a person would download on their smart phones and use to control certain aspects of their laptop, such as their camera. The camera would take pictures and video of the laptop while a user is away from their device, and the laptop camera will take a picture of an individual’s face and send the data to the smartphone of the user. If the user does not put in the pin code to unlock the computer after he/she has returned or if the user reports that their laptop is missing, the data recorded from the laptop (video feed/pictures) will be sent to the local police station, so that they can use the data provided (especially facial recognition) in order to find the individual responsible for the theft.

We believe, given the intermediate level of computer science knowledge needed to design the infrastructure of our solution, and the accompanying straightforward technology aspects in which we are considering for a solution, we are able to implement a solution that will be impactful and effectively accomplish our goal. We have the technical expertise and knowledge required to code and implement a product that can reduce theft. Given the low-cost of coding a program as well as the ease of implementation, we feel this is a feasible solution to a universal problem.

**TEAM ROBOCOP**

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