***CMPG 213: System Analysis and Design Project Proposal***

***Background:***

As a group of 6 individuals, we decided to use the old Covid-19 temperature scanners to scan the faces of students who enter the academic institution in order to identify them for security reasons, the same purpose served by student cards.

***Problem Statement:***

* Student cards grant access to the institution to the supposed students and verification of identification depends on security cards(humans).
* This is a problem because humans can make mistakes.
* The facial identification is not automated.
* Student cards can grant anyone that finds a lost student card access to the institution to print annually.
* Sometimes students forget their student cards which …

***Constraints:***

* Constraints for the project are skills for implementing and developing the system.
* Finances for procuring additional facial scanners.

***Scope Definition:***

* Our system will include the following functionalities:
  + - Scanning our faces for every facility the student would want to access.
    - It will open the gates to the institution.
    - It will open entrances within the institution.
    - This system can also be integrated into the surveillance cameras of the institution to identify transgressors.

***Goals of the Project:***

* This system will provide the institution with reliable data(faces)
* This system will improve business knowledge by providing the security institution with reliable data(faces)
* Our system will improve business processes by automating verification of identities and granting of access to the institution and facilities.
* The system will improve communication by sending data(faces) to the security control room.
* The control room will communicate the location of whomever they seek within the premise of the institution.

***Opportunities to Improve:***

* Collected data will be stored in databases and will be protected by the credentials of the database credentials.
* A feature can be added to send data about an individual to other security personals.