Group : Juliett
Section : A

Group Members:
Pratyusha Kundu (201814014)
Anika Zaman (201814018)
Sabrina Afreen Haque (201814020)
Md. Arr Rafi Islam (201814050)

Proposal – 1
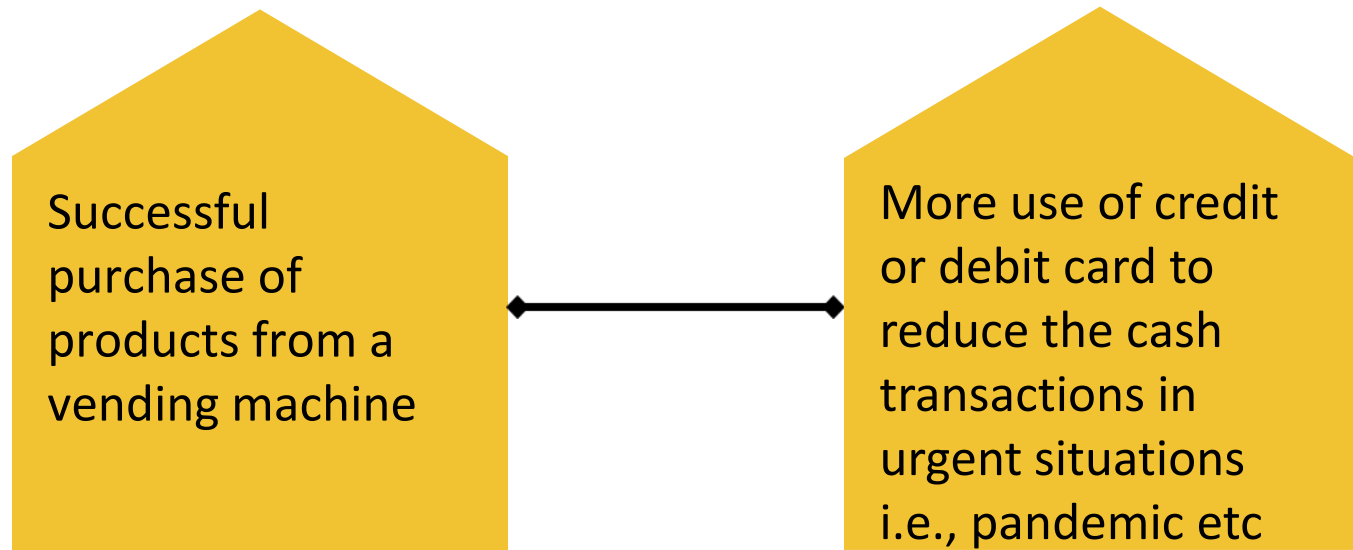
Smart Vending Machine

Covered Domain:

- Human Computer Interaction

- Networking

- Database

Background

The prevailing vending machines in our country can detect money exactly like the image delivered. They cannot detect if any cash is deformed or discolored. Sometimes they accept cash but the product may not be successfully purchased. That's why, the purchase of a product from vending machine can be done by using an app in mobile phone where the information of a credit card will be used to buy. The customer's phone and the vending machine will be connected by Bluetooth within a certain distance.

Objective

Successful purchase of products from a vending machine

More use of credit or debit card to reduce the cash transactions in urgent situations i.e., pandemic etc

Proposal – 2
Automated garbage sorting machine

Covered Domain:

- Internet of things

- Machine learning

- Robotics

Background

The garbage is not sorted accordingly in our country. To help with the process this machine is intended to make.

Objective

• To sort garbage according to metal, polythene, paper and glass
• To keep the environment clean

Proposal – 3
Fake Drug Detection App

Covered Domain:

- Machine Learning
- Artificial Intelligence
- Image Processing

Current Situation

In many underdeveloped areas in many countries, lots of fake drugs are sold and distributed. As a result, many people do not get well even after consuming those medicines properly. That's why, detecting a medicine whether it is real or not is necessary.

Objective

• To detect the authenticity of the medicine.

• To make people aware of consuming fake medicine and thus ensure their health safety

THANK YOU