GROUP 1

Name of Application/Idea:

Ricochet the Robot

Name of Students in the Group:

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What problem does the mobile/ Ideas solve?

1. *Increase the safety of military personnel*

   In the case of our local bomb scenarios, we notice that our constables are not properly attired or equipped to deal with such situations. A robot will allow for safe searching of a building with potential bomb threat putting our citizens and constables out of harm's way. It would also identify threat location and threat levels while everyone is at a safe distance.

2. *Increase safety of health personnel*

   Instead of persons who are part of the solid waste management unit handling dangerous waste material, an automated system can be used so that individuals would not have to come in contact with possible hazardous materials.

3. *Safety in the Laboratory*

   It has the ability to handle dangerous chemicals in a laboratory which reduces the risk of injuries to student and teachers. It also reduces the fatigue by manual mixing certain chemicals.

4. *Understanding Artificial Intelligence*

By working with this unit, student would gain a firsthand exposure on how to create a device to solve a practical situation. They would also gain an early insight into the structure of programming also how programming is integrated with hardware.

How is your mobile mobiles/Idea innovative?

This idea is innovative because it was never done in St. Vincent and the Grenadines and we believe that application of similar ideas would help various sectors in our country.

Who is the target Market?

Age: 12 and up, Working communities as well

How will the application/idea save the government money and resources?

The people of this country are its greatest resource therefore, making an environment safer and more conducive for work would allow them to be a more efficient and effective people.

This idea would allow persons to be safer when conducting searches and mixing erosive or dangerous chemicals in the lab. It allows person to be more efficient and productive, thus, reduce accidents while increasing productivity.