

### Summary of Judges comments:

#### Team: Jomosoco – Letter Sorter

The robot works well. After testing it with a random number of letters, the robot still performed without any trouble. We think however that the coding can be streamlined. It is an EV3 robot. The presentation was well organized and the robot performed very well. It keeps statistics of the number of letters, and how many of each colour were sorted and display it on the screen of the EV3 robot.

#### Team: Volt: Merry go Wild

This was a simple but effective setup of a turnstile type gate that reads the number of visitors going through the gate before it performs 3 different programs depending on the colour coding. The team worked well together, but they can improve on their presentation style.

#### Team: Sasol Girls : The piano man

The robot played a few different tunes while moving a “piano” in front of the player. The distance coordination between the notes as well as the timing was good as well as the mathematical formulas used to determine the distance between notes. The presentation was well organized and the team work of the team was very good.

#### Team: Amagecko / Dragons – Reaction tester

Teamwork was fantastic between the members and they were all involved in the presentation. The robot worked well, but we believe that the communication back to the pc can improve through better programming. However this project does have great application in sports .

#### Lego-neers : Bunker Defence Robot

The climbing robot! The robot worked well in going up and down in the tower, however, we would have liked to see a little bit more autonomy in programming. The presentation lacked a little bit of enthusiasm and we think that the robot can improve a little bit more in the mechanical department.

#### Team: Tricycle

This is a simple line following robot which stop to pick up stuff while following a line. There were a few problems at the beginning of the presentation, but the robot did do most of its tasks without problems.

#### Team: Wolff – Fetchbot

This robot is send out to fetch stuff and bring it back to the operator. It follows a line and when it “sees” stuff, it will pick it up. The presentation was good, but can improve. It is a very basic type robot, and we think that application is a little bit limited. We also think that science and maths is a little bit limited.