Project Definition

Our goal is to design a smart robot capable of interaction with Penn State Students by providing them with an interactive informative display. Interactivities between the student and Eco-Robot also known as Janet will inform students about upcoming events, frequently asked questions, and a directory for campus staff and room locations. In addition to assisting students Janet will also encourage students to recycle in an exciting and interactive format.

Background Information

The Eco-Robot is a capstone project created by four engineering students that care about the environment and wanted to continue the trend of Eco-friendliness that their engineering building has adopted. The team's goal was to have the Eco-Robot promote this eco-friendliness and inform students on the topic of recycling. The main benefit that wanted to be taken away was to promote recycling in a fun interactive way so students would be more interested in the topic.

Conclusions and Recommendations

The development of the robot reached a satisfactory point at where the team wanted to stand. The main objective of the robot was completed and was completed to the team's goals. Due to the circumstances the team set a goal for the robot to be fully built and begin the functionality which was completed. The budget for this project was 1,500 dollars and the team managed to only spend 490 dollars of that total budget. All of the tasks were completed on time and reflected accurately on the Gantt Chart. The team enjoyed working on this project and working together as a team. The team hopes to continue work on this robot and hopefully have it fully functional throughout the Gaige Building.

Acknowledgments

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