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Team 19 Prototype Summary

Laboratory 1: Risk Reduction Techniques

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Work Product

A short summary describing the functions of our prototype.

Document Revision Information

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Approval Sheet

All group members whose names are listed below approve of the document and contributed fairly.

Morgan, Laura

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Pledge

On my honor, as a student, I have neither given nor received unauthorized aid on this assignment.

Names

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Prototype Summary

Our evolutionary prototype is based upon our previously created prototypes and the software sample available on the Collab site to test basic functionality. The prototype is designed for modifiability. It supports the basic functionality of movement and communication with a base station computer.

Specifically the prototype supports robot movement in various directions. The robot is able to move forward, backwards, and turn. Currently, the robot moves based upon commands entered by the user, which can easily be translated for use with a GUI.

Additionally the prototype has basic functionality for touch sensors. The touch sensor currently prevents movement upon triggering. Additionally, the prototype exemplifies using user input to change settings of the robot such as allowing users to set the speed of the motors.