

# EE/CPRE/SE 492

## Weekly Report 16

Goose Chaperone

SDDEC19 - 17

11/22/2019 - 12/6/2019

*Client/Advisor:*

Randall Geiger

*Team Members:*

Weston Berg

Zihao Cao

Alec Morris

Johnson Phan

Woodrow Scott

### *Past Weeks Summary*

Meeting and planning construction. Gathered all necessary stored components and tools to wrap wires around PVC and establish connect from devices to Beaglebone controller.

### *Past Weeks Accomplishments*

- PVC Model Construction - All
  - Establish wiring around PVC model
  - Connect platform onto stepper motor
  - Connect camera and sensor to platform
  - Stabilize wheel motors to PVC
  - Position motor and Beaglebone batteries on or in container

### *Pending Issues*

- Installing OpenCV onto Beaglebone

### *Individual Contributions*

<b>Team Member</b>	<b>Hours (Report Duration)</b>	<b>Cumulative Hours</b>
Weston Berg	5	127
Zhihao Cao	5	60
Alec Morris	5	67
Johnson Phan	6	73
Woodrow Scott	15	116

### *Plans For Upcoming Weeks*

- Finish wiring and begin testing - All
  - Weld/tape/glue wires in place and add remaining wires for stepper
  - Begin testing PVC motor/camera/sensor/gps testing in outside environment
  - Test general logic and software integration

### *Weekly Advisor Meeting Summary*

First week meeting to show PVC model without wiring. Discuss possible balance solution for front and back of PVC. Discuss possible options for different PVC for stepper motor fitting. Plan wiring and testing. 2nd week meeting, advisor not available during regular meeting time and attempt to contact him at office failed. Meeting disbanded after discussing plan for final week.