Heading: Sprint 1 Plan

Product Name: Arduino Micro-Controller for Electric Vehicles

Team Name: Dream Team

Sprint Completion Date: 10/29/14 (tentative)

Revision Number: 0.1

Revision Date: DATE \@ "dddd, MMMM d, y" Tuesday, October 21, 2014

Sprint 1 Goal: To be able to understand the input sensors and detect their readings.

* User Story 1: As a developer I want to understand the existing controls and features specified by the existing micro controller so that we can understand the current progress of the project (total hours: 10)
  + Task 1.1: Analyze existing drivetrain technology (ideal working time estimate) (6 ideal hours)
  + Task 1.2: Understand the Arduino architecture and platform, begin to understand the limitations. Set up the development environment, and associated libraries (4 ideal hours)
* User Story 2: As a user, I want to see digital output when moving and clicking buttons on a joystick connected to the controller. (Total hours: 24)
  + Task 2.1: As a user, I want to see output from the vehicle speed sensor (6 ideal hours)
  + Task 2.2: As a user, I want to be able to see data from the hydraulic system pressure (6 ideal hours)
  + Task 2.3: As a user, I want to be able to be able to read the state of the lean and steer sensors of the vehicle (6 ideal hours)
  + Task 2.4: As a user, I want be able to read output from the brake sensor (6 ideal hours)

Team Roles:

Alejandro Aguilar - Product Owner

Leland Miller - Scrum Master

Navjot Singh - Scrum Master

Hemant Ramachandran - Team member/developer

Nikolai Kallhovde - Team member/developer

Wallace Luk - Team member/developer

Aravind Sambamoorthy - Team member/developer

Initial task assignment:

Alejandro - Task 1.2

Leland - Task 1.2

Navjot - Task 1.2

Hemant - Task 1.2

Nikolai - Task 1.2

Wallace - Task 1.2

Aravind - Task 1.2

\*Note: Ideally we will all choose different tasks as we progress further.

Scrum times:

Tu: 10am

Th: 10am

Fri: 10am (during lab hours) located in N. Sci Annex 101

Note for the Scrum Board/Burnup Chart: As the assignment specifies, “the scrum board is a physical board … located in the lab”, and thus has not been included as part of this document.