E-Racer

Kevin Arpin, Michael Marquis, Allison Meisner, Travis Ward

Client Contact:
Gregg and Laura McClement, Calgary, AB, Canada
E-Racer as of Week 9
Work Completed - Summary

- Swapped L.P.T.s and Installed TEX Model
- Brakes Tested and Finished Installation
- Improved Software for Voltage Ranges
- Installed Battery and Charging Unit
Work Completed - Allison

- Fixed Braking Problem By Milling New Piece
- Tested and Installed Braking Actuator
- Planned Attachment of Joystick
Completed Work - Mike

- Determined LWG Position Sensor Too Large
- Drove to Novotechnik in Mass., Swapped for TEX Model
- Installed Position Sensor Above Steering Actuator
Completed Work - Kevin

- Worked With Programming for Steering Wheel Voltage Ranges and L.P.S. Ranges
- Assisted Other Group Members in Construction
Completed Work - Travis

- Designed Mount For 12V Electrical Battery
- Mounted Battery
- Designed Stage and Mounted Charger Attachment
- Ordered Circuit Breakers
- Reordered and Received Broker Wall Charger
- Researched Battery Charging Wiring and Use of Relays
Future Work – next week

- Allison
  - Mount Joystick
  - Begin Testing Electronics
  - Arrange McClements’ Visit

- Mike
  - Mount Steering Wheel Accel./Brake Switch
  - Mount Steering Wheel vs. Joystick Mode Switch
  - Install Kill Switch
  - Connect All Wiring Correctly Among Switches
Future Work- next week (cont.)

- Kevin
  - Finish Code By End of Week
  - Wire Items Together
  - Order PCB Board

- Travis
  - Receive, Mount, and Wire Circuit Breaker
  - Purchase and Install Steering Console Pins
  - Wire Several Units Together
  - Clean Up and Put Go-Kart Together for Electronics Testing
<table>
<thead>
<tr>
<th>Task Title</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
<th>Processors</th>
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<tr>
<td>Order LPS</td>
<td>1 day</td>
<td>Thu 3/27 08</td>
<td>Thu 3/27 08</td>
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<tr>
<td>Order and get replacement</td>
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<td>Mount LPS</td>
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<td>Test output voltage from LI</td>
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<td>Design Jogystick Mount</td>
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<td>Solve Braking Problem</td>
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<td>Mill New Piece for braking</td>
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<td>Check that braking works</td>
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<td>Mount braking actuator</td>
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<td>Work with Program Code</td>
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<td>Debug Code</td>
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<td>Modify Code for Volt Range</td>
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<td>Input Accurate Volt Range</td>
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<td>Figure out Battery Mount</td>
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<td>Build mount in shop</td>
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<td>Design Charger Mount</td>
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Hours Worked

- Allison: 16 hours
- Michael: 15 hours
- Kevin: 12 hours
- Travis: 18 hours
Questions, Comments, Concerns?