Activity Report #19 (February 23 – March 2)
VERTIGO²
March 2, 2005

VERTIGO Project Manager: Mimi Phan
Team Members:
Kevin Boyce
Jeff Laub
Prateek Mohan
Ryan Strauss
Duro Taylor
Calvin Turzillo

- The VERTIGO² team had three meetings over the past week. The first one was held on Friday, Feb 25. We went over some more joystick programming issues especially how to the data packet structure addressing to the PIC. The team also scoured for parts, and discussed about servo replacements.
- The second one was held on Monday, Feb 28. The programming team met to discuss writing code for the controls of the plane especially how to program through the USB port.

Mimi Phan

- went to team meetings
- went to Dr. Sepri’s AE meeting with Nikhil
- created progress presentation PowerPoint slides
- project management tasks (updated gantt chart, activity reports)

8 hours

Prateek Mohan

- went to both team meetings
- researched how to program the USB port
- worked on desktop request for project team with Kevin Boyce
- updated website

3 hours

Kevin Boyce

- went to team meeting
- researched servo replacements
4 hours

Calvin Turzillo

- worked on technical issues
- worked on motor controllers

3 hours

Ryan Strauss

- went to team meetings
- programming joystick controls (binary to hex program and joystick coordinates)

8 hours

Duro Taylor

- went to programming meeting
- worked on a program to send hex digits to the PIC

1.5 hours

Jeff Laub

- went to general team meeting

2 hours

Budgeted Hours Spent:

Mimi Phan

Budgeted Hours = 8 hours = 480 minutes
Actual Hours Spent = 8 hours = 480 minutes
Percentage of hours worked = \( 100 - \left( \frac{(480 - 400) \times 100}{480} \right) = 100\% \)

Percentage of hours = \( 100 - 100 = 0\% \)

Prateek Mohan

Budgeted Hours = 8 hours = 480 minutes
Actual Hours Spent approx. ≈ 4 hours = 240 minutes

Percentage of hours worked = $100 - \left(\frac{480 - 240}{480}\right) \times 100 = 50\%$

Percentage of hours not worked = 100\% - 50\% = 50\%

**Kevin Boyce**

Budgeted Hours = 8 hours = 480 minutes
Actual Hours Spent = 5 hours = 300 minutes
Percentage of hours worked = $100 - \left(\frac{480 - 300}{480}\right) \times 100 = 62.5\%$

Percentage of hours not worked = $\frac{480 - 300}{480} \times 100 = 37.5\%$

**Ryan Strauss**

Budgeted Hours = 8 hours = 480 minutes
Actual Hours Spent = 8 hours = 480 minutes
Percentage of hours worked = $100 - \left(\frac{480 - 400}{480}\right) \times 100 = 100\%$

Percentage of hours not worked = $\frac{480 - 400}{480} \times 100 = 0\%$

**Duro Taylor**

Budgeted Hours = 8 hours = 480 minutes
Actual Hours spent = 1.5 = 90
Percentage of hours worked = $100 - \left(\frac{480 - 90}{480}\right) \times 100 = 18.75\%$

Percentage of hours not worked = $\frac{480 - 90}{480} \times 100 = 81.25\%$

**Jeff Laub**

Budgeted Hours = 8 hours = 480 minutes
Actual Hours Spent = 2 hours = 120 minutes

Percentage of hours worked = $100 - \left(\frac{480 - 120}{480}\right) \times 100 = 25\%$

Percentage of hours not worked = $\frac{480 - 360}{480} \times 100 = 75\%$