

EE CprE SE 492 - MAY15-28
MicroCART Senior Design Team

Meeting Minutes - Week 11

March 30, 2015

Attendance:

Team Members:

Paul Gerver
Adam Campbell
Matt Vitale
Joe Benedict
Ravi Nagaraju
Tyler Kurtz

Advisors:

Dr. Phillip Jones

Agenda Items and Discussion

- 1) Final push game plan
 - Dr. Jones reviewed each item and requested an update on each one
 - On-time results are more important than the man-hours necessary to complete the tasks
 - More details needed in the weekly progress reports
- 2) EE 492 meeting on Thursday, April 2
 - Update the PPT presentation per advisor's notes
 - Practice for the presentation
- 3) Final group presentation
 - During dead week on Thursday, April 30
 - Power Point presentation in Coover 3043 at 1:30-2:10
 - Dr. Jones suggested we request a longer time due to team size
 - Need to request different time slot due to schedule conflict with Dr. Jones
 - Atrium/lab demonstration 3:00-5:00
 - One person in atrium with PC looping videos
 - Poster and rest of team in the lab
- 4) Bluetooth
 - Documentation for latency, measuring and running base station program
 - Speed is good enough for current purposes (baud rate at maximum of 921600)

- 5) Data collection/analysis
 - Everything but camera data
 - Battery voltage capture not a priority
- 6) Manual flight demonstration
 - Deadline coming up Monday, April 13
 - This milestone must not be missed
- 7) PID tuning
 - Filter error found and corrected by Paul
 - Add specifics for each member in the notes section of tasks (responsibilities)
 - Ready for camera yaw to be integrated with gyro
 - 3-axis stand will be used by 488 class starting Wednesday, April 1 and will be returned on Wednesday, April 7
- 8) Documentation
 - All documentation will be sent to Ravi to be posted to proper sites/archives
- 9) Controls lab YouTube account
 - Contact Matt Rich for page address
 - Contact ETG for local MicroCART account or ISU account