

D1 MEETING MINUTES

Topic: Week 5 Spring Schedule

Tuesday, February 27, 2018 5:00pm – 7:00pm, Thursday, March 1st 9:30am-11:30am

Minutes recorded by Kalli Albright

Meeting called by Kaitlyn Barr

Attendees: Kalli Albright, Kaitlyn Barr, Dustin Branges, Daniel Johnson

Please bring: 3D printed parts, fasteners, servo and arduino parts and as always a positive attitude and completed action items

Executive Summary:

This week we will be focusing on completely assembling all hardware and testing the servo with the antenna.

Table 1. Record of meeting.

Tuesday 5:00 pm - 5:45 pm	Prep 3D parts <ul style="list-style-type: none">• Remove from 3D printer build tray• Soak in acid bath• Remove supports to have finished parts	Rapid Lab (Bldg 98C)
5:45 pm - 6:45 pm	Assemble frame <ul style="list-style-type: none">• Attach all mounting brackets to the housing's top bottom plate with 10-32 fasteners• Insert pivot bases, cam arms, and servo horn• NOTE: needed to switch mounting brackets to insert set screw and have full motion	Rapid Lab (Bldg 98C)
6:45 pm- 7:00 pm	Determine edits <ul style="list-style-type: none">• Fillet mounting brackets• Make all mounting brackets the same	Rapid Lab (Bldg 98C)
Thursday 9:30 am - 10:30 am	Assemble with antenna & servo and test <ul style="list-style-type: none">• Insert antenna• Test with servo<ul style="list-style-type: none">○ Singular pivot base moves more than one attached to the cam arm○ Servo only has enough torque to	DASL rm249

10:30 am - 11:00 am	Determine edits <ul style="list-style-type: none"> • Make singular pivot base the translational one • Need set screw to immobilize pivot base attached to cam arms • Possible edit tolerances on mounting bracket holes? • Need cotter pins to secure pivot bases? • Need higher torque servo motor <ul style="list-style-type: none"> ◦ Edit CAD of motor holder & horn 	DASL rm249
11:00 am - 11:30 am	Plan for next meeting <ul style="list-style-type: none"> • Update and print new parts to test with new motor 	DASL rm249

Table 2. Tasks Assigned.

Task	Person Assigned	Due Date	Date Complete
Edit CAD motor mount, horn, and pivot base	Daniel Johnson	3/5/18	
Update website to include new individual analysis	Dustin Branges	3/30/18	
Start on midpoint presentation and report	Kalli Albright Kaitlyn Barr	3/5/18	

Next formal meeting: 3/6/18 Engineering Building Room 321 at 5:30pm