

Project Status: Overview of Status of Analysis, Design, Fabrication, Tests, etc. One or two sentences to describe your project status.

- Valve Housing Manufacturing complete
- Bowden cable interface assembly complete
- Final testing of the valve with control system in progress

Accomplishments from Previous Week: Your status of last week's goal. If you did not succeed, explain how you are going to recover it, or it is not a problem any more.

- Manufactured valve housing front and plunger. Completed new CAM files
- Bowden cable assembled completely

Goals for Next Week (list names after each item). Use specific and measurable objectives. Be specific on each goal and have the teammate's name after it. So that the instructor could better understand the project progress and give the progress report grades.

- Test the valve with current test stand (Everyone)
- Set up the valve with the current test stand and ensure that the cable is tensioned correctly (Michael/Matthew)
- Design test stand and identify manufacturing plan (Bora/Matthew/Anannaya)
- Complete feedback system for the actuator (either flow meter or position control system) (Manny/Anannaya)

Sponsor Comments: from past meeting on 05/26/2023

- Gauge how friction must be factored into the actuator force requirements

Instructor Comments: from Last Meeting and Actions Taken to Address these Comments (indicate date of comments and if via email or in person)

- No comment

Risks and Areas of Concern: The main risks and concerns that prevent you from accomplishing your goal. Try not to put minor concerns in here.

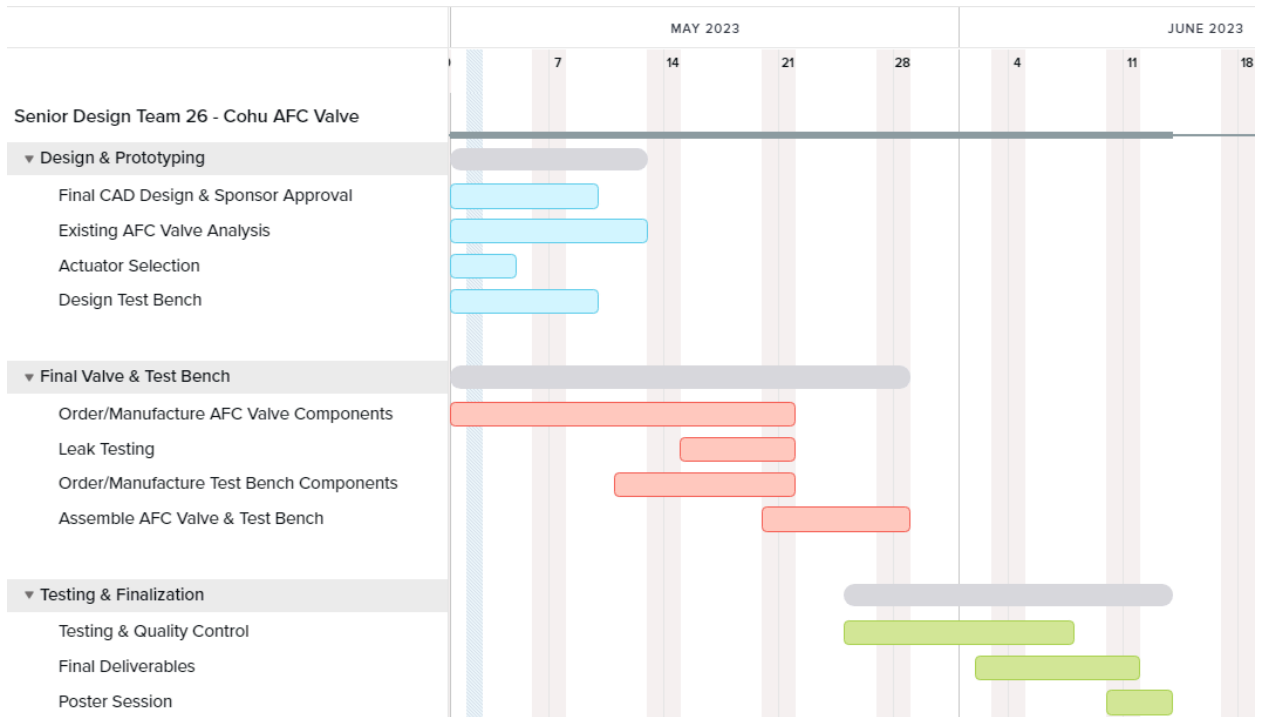
- Repeatability and simplicity of backlash adjustment / tension preloading
- Determining how to set up a feedback system for the stepper motor

Resources or Information Required but not Available:

- None.

Schedule: Describe upcoming milestone, update Gantt Chart, Budget (list amount spent and amount remaining).

- Upcoming Milestone:
Updated Gantt Chart:



- Budget Notes:
 - Amount Spent: \$370.25
 - Amount Remaining: \$1,629.75

Progress on Report & Webpage:

- [Webpage Link](#)