

MSD Team P17453

Weekly Update

Week 12

4/13/17 - 4/20/17

Weekly Accomplishments:

- Returned unnecessary relief valve that was for water
- Talked with Dr. Kolodziej
 - Wanted to see a mathematical model of the finished pressure cycle
 - Wanted to see different poppet valve vibration data for ground down poppets
- Created System Wiring Setup instructions
- Added pictures to Valve Manifold Assembly/Disassembly instructions
- Machined other poppets down 1/16" and 1/32" for testing
- Testing
 - Performed multiple tests back to back with the same poppet configuration to check for consistency in tests
 - Data analysis by next week
- Submitted technical paper draft to mycourses for peer review
- Some Edge Updates

To do by next week:

- Test "broken" poppets and see if there is a difference in the vibration frequency spectrum
- Go to the technical peer review
- Receive peer review on poster
- Continue to update Edge website
 - Begin going through and cleaning up older web pages

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Meeting Notes

4/18/17

Meeting Accomplishments:

- Called about returning unnecessary relief valve that was for water
 - Sent out for shipment
 - Will be getting a refund
- Talked with Dr. Kolodziej
 - Wanted to see a mathematical model of the finished pressure cycle
 - Wanted to see different poppet valve vibration data for ground down poppets
- Submitted rough draft technical paper to mycourses for peer review

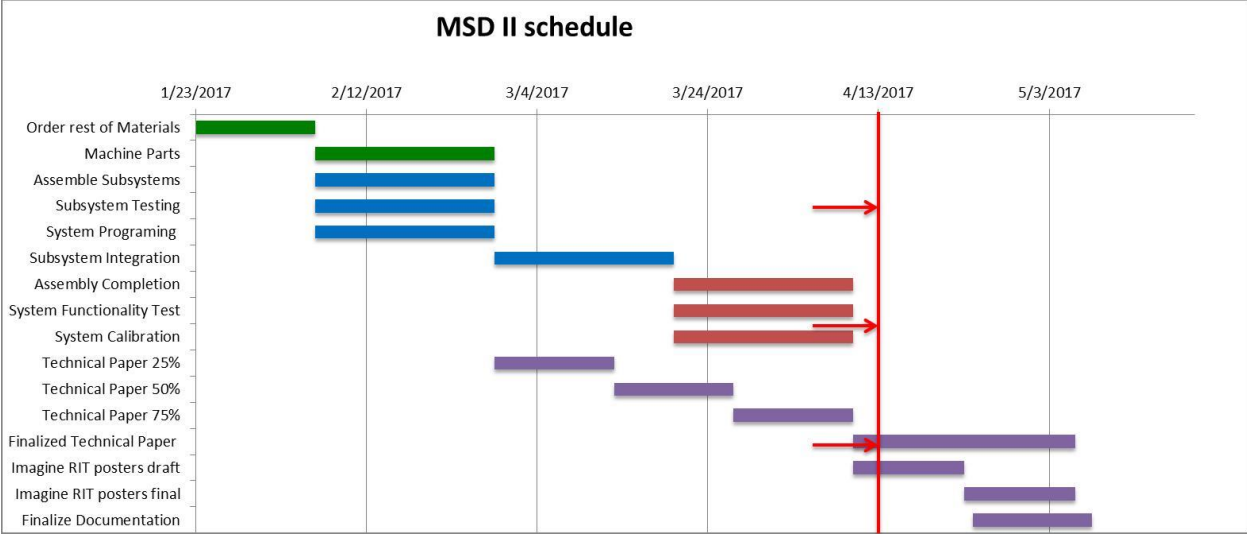
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Meeting Notes

4/20/17

Meeting Accomplishments:

- Testing
 - Performed multiple tests back to back with the same poppet configuration to check for consistency in tests
 - Three tests were performed for each 10 and 20 power spectrum averages
 - The data will be analyzed for next week
- Machined other poppets down 1/16" and 1/32" for testing
- Created System Wiring Setup instructions
- Added pictures to the Valve Manifold Assembly/Disassembly instructions



Gantt Chart: Team progress through week 12.