

Internship 2022

Progress report format for team meeting

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09/02/2/2022 - 15/02/2022

Tasks completed last week

- [#56] Fuel fabrication (Wednesday)
- [#71] Casing fabrication (Thursday)
- [#72] Crimson powder development.(Friday)
- [#32] Design of the Test-Stand PCB redo (Monday)
- [#88] Crimson powder ejection test. (Tuesday)

Fuel Fabrication

We had to fabricate more fuel following the right procedure and ratio.

We used 65% potassium nitrate and 35% sorbitol.



Crimson powder test

Tested the crimson powder explosion rate.

Found out the more dry it is, the more efficient it works.

Crimson powder development

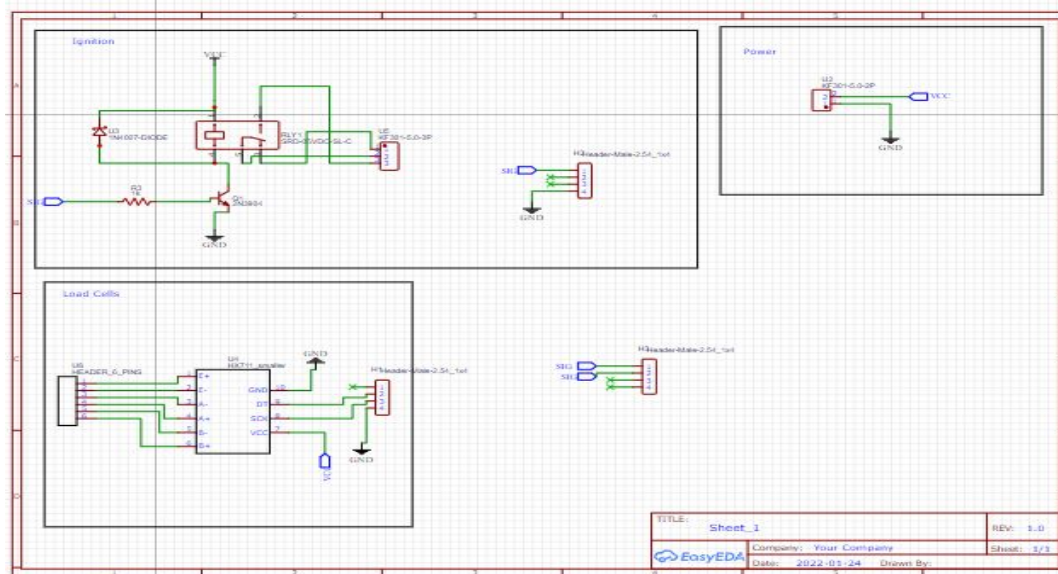
Developed more crimson powder taking into consideration the observations made in the first ejection test.



Design of the Test-stand PCB

Redesigned the Test-stand PCB.

Still in progress.



Tasks in this week

- [#85] Preparation of potassium perchlorate.
- [#33] Test stand PCB etching.
- [#19] Static firing tests.

Timeline

Month	Intern week	Tasks
Jan		
	Week 1	Research and going through N1 reports.
	Week 2	Fabrication of the test stand PCB.
	Week 3	Nozzle fabrication, Igniter test.
Feb	Week 4	Fuel Casting.
	Week 5	Test stand design and fabrication.
	Week 6	Launch pad design and fuel tests.
	Week 7	Testing and improvement of the final work.