

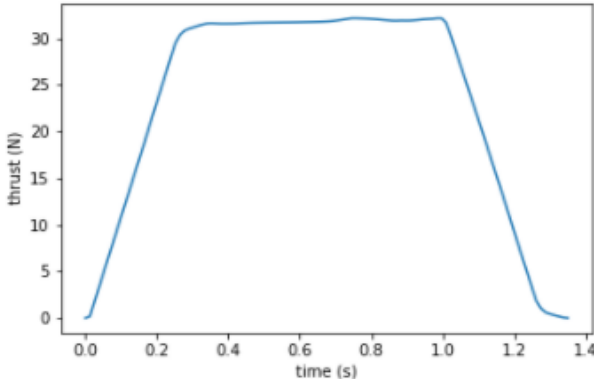
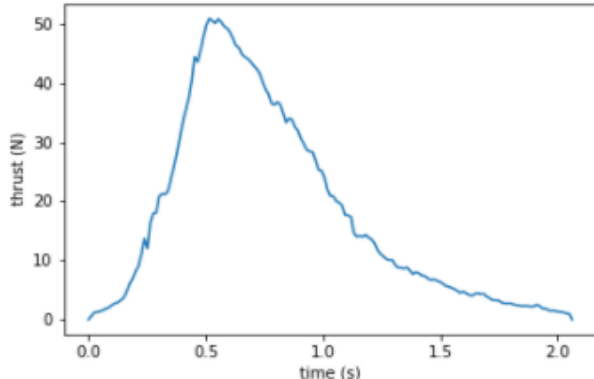
# Nakuja internship Team meeting

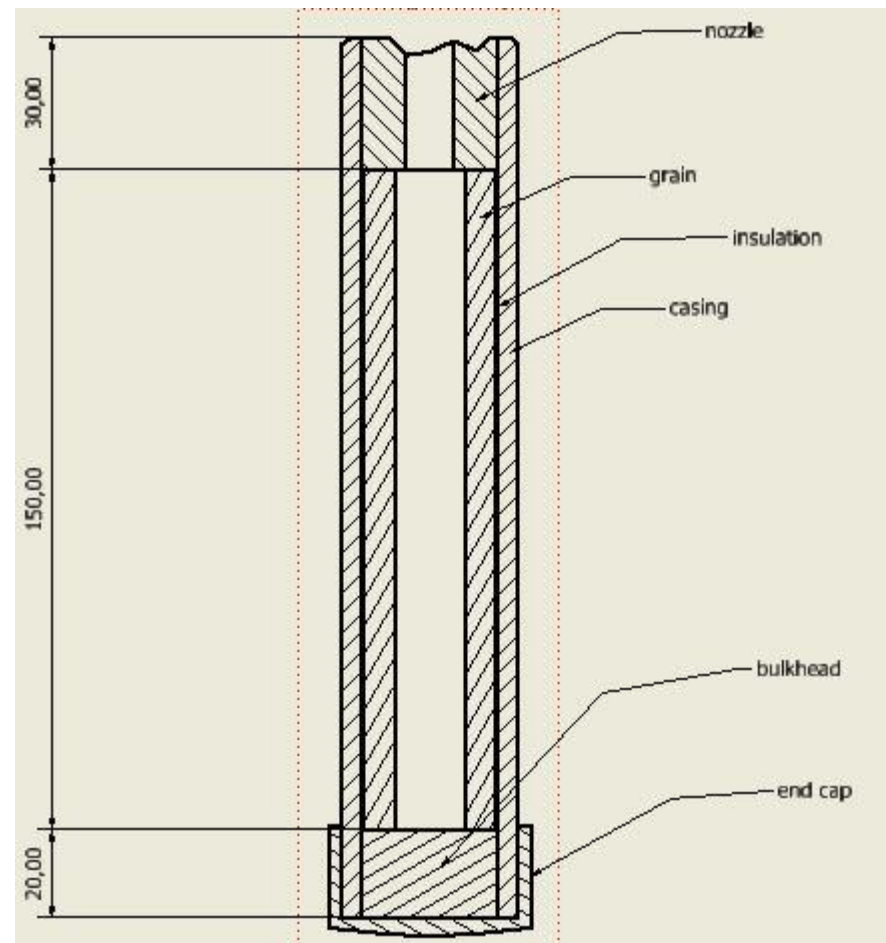
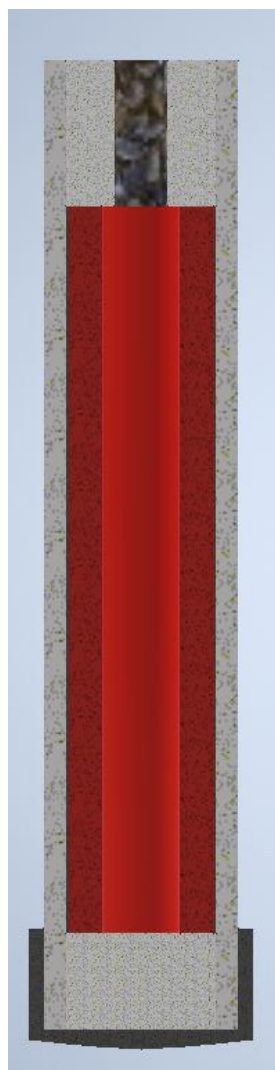
## Progress report format

Name: Oina Sammy Kerata

# Tasks completed last week

- Casting of N1 motor (Final Specification) (#8)
- Static Firing of N1 motor (#9)
- Test of launch systems
- Improving test-stand data acquisition and integration of ignition system (#92)

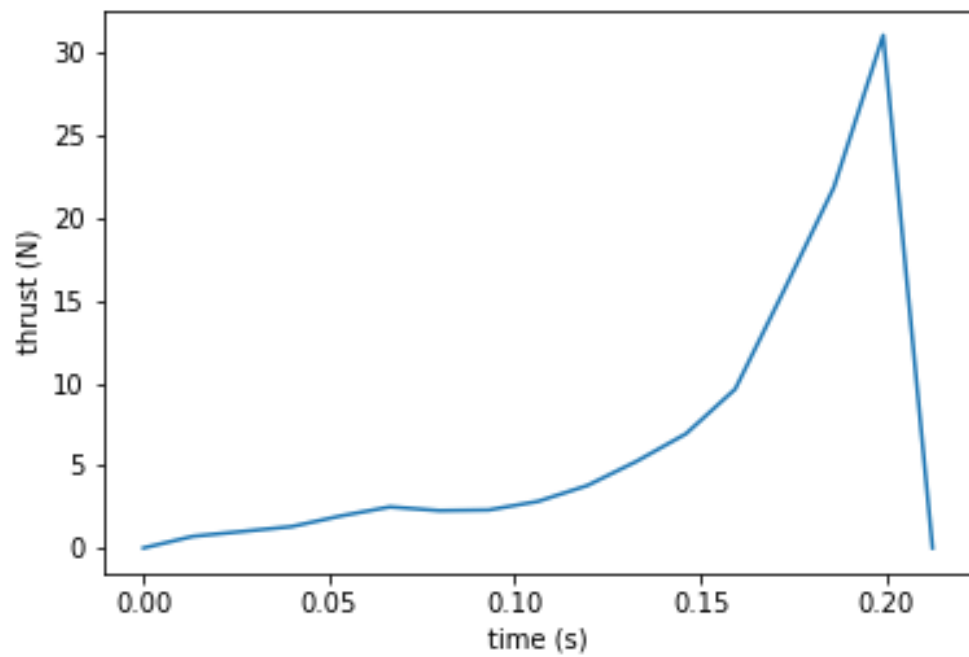
Details	V6	V7																						
Total Impulse (N-s)	31.58	36.08																						
Specific Impulse (N-s/Kg)	242.90	257.71																						
Average Thrust (N)	23.39	17.49																						
Peak Thrust (N)	32	51																						
Motor Class	E	E																						
Fuel	Sucrose	Sucrose																						
Rasp File	File	File																						
Thrust Curve	<div><p>Thrust against time</p><p>The graph shows thrust (N) on the y-axis (0 to 30) and time (s) on the x-axis (0.0 to 1.4). The thrust starts at 0, rises linearly to 32 N at 0.3 s, remains constant until 1.0 s, and then drops to 0 by 1.3 s.</p><table><tr><th>Time (s)</th><th>Thrust (N)</th></tr><tr><td>0.0</td><td>0</td></tr><tr><td>0.3</td><td>32</td></tr><tr><td>1.0</td><td>32</td></tr><tr><td>1.3</td><td>0</td></tr></table></div>	Time (s)	Thrust (N)	0.0	0	0.3	32	1.0	32	1.3	0	<div><p>Thrust against time</p><p>The graph shows thrust (N) on the y-axis (0 to 50) and time (s) on the x-axis (0.0 to 2.0). The thrust starts at 0, rises to a peak of 51 N at 0.5 s, and then decays to 0 by 2.0 s.</p><table><tr><th>Time (s)</th><th>Thrust (N)</th></tr><tr><td>0.0</td><td>0</td></tr><tr><td>0.5</td><td>51</td></tr><tr><td>1.0</td><td>25</td></tr><tr><td>1.5</td><td>10</td></tr><tr><td>2.0</td><td>0</td></tr></table></div>	Time (s)	Thrust (N)	0.0	0	0.5	51	1.0	25	1.5	10	2.0	0
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Thrust against time





# Tasks in this week

- Improve N1 motor performance (casting and static firing)
- Make separate ignition program for launch pad
- Program indicator lights for launch pad and test-stand



# Timeline

Month	Week	Tasks
Mar	Week 1	Finish fabrication of N-2
	Week 2	Casting propellant and Design and Fabrication of test stand
	Week 3	N-1 static testing and firing
	Week 4	Design and Fabrication of N-1 Launch pad
Apr	Week 1	N-2 fin control mechanism design and programming
	Week 2	Finalize N1 motor
	Week 3	Finalizing N1 assembly for launch
	Week 4	N-1 Launch