

Nakuja internship Team meeting

Progress report format

Name: Oina Sammy Kerata

Tasks completed last week

- N1 Casing selection
- N1 Final Design motor and simulation
- Fabrication of coring tools
- Igniter tests
- Super Capacitor research



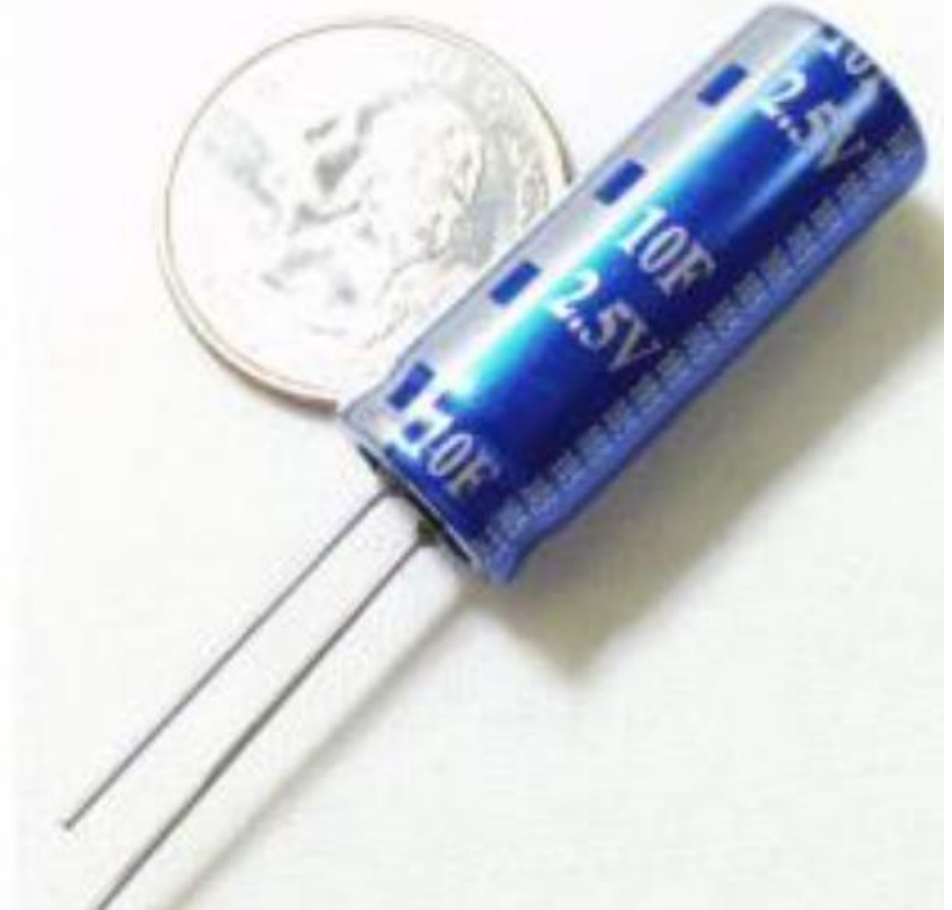


black powder - white
white powder

Igniter spec 1 closure glue 1G-T1- $\frac{1}{2}$ } black powder
2 closure cotton 1G-T2- $\frac{1}{2}$ }
1G-T1- $\frac{1}{2}$ } white powder
4 Closure cotton T4- $\frac{1}{2}$ } white +
mix



- 5 capacitors in series
- Capacitance of 2F
- Voltage 12.5V
- $C = 12.5 \times 2 = 25$ coulombs
- Charging time = $25 / 3A = 8.33s$



Tasks in this week

- Casting of N1 motor (Final Specification) (#8)
- Firing of N1 motor (#9)
- Design Fin mounting section (#11)
- CFD Analysis of Fin (#11)
- Printing of Motor mount section

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