

# Nakuja Internship

## Week 8 Progress Report

JEFF MBOYA

# Tasks completed last week

1. Apogee detection using water rocket
2. Documentation of launch sequence/checklist.
3. Incorporating the pin load cells into the test stand
4. Nakuja SRM Test Stand Design Documentation.

# Tasks to complete this week

- Propellant casting for 6<sup>th</sup> static firing test.
- Conduct static firing test no. 6 and select the motor.
- Launch test no. 2
- Testing and integration of developed launch sequence

# Timeline

Month	Week	Tasks
March	Week1	Design and fabrication of nozzle
	Week2	Design and fabrication of test stand
	Week3	Casting propellant
	Week4	Testing the model rocket on motor Static firing test no. 1 and no. 2 Analysis of thrust data
April	Week1	Test stand design v1.3 ( re-design using pin load cells) Casting propellant for third static fire test. Conducting static firing test no. 3 Including visual indicators (state of the test stand-armed or unarmed)
	Week2	Research on better and reliable motor ignition