

Internship 2022



Name: ALEX MBURU



Tasks completed in the last week

- [#54] Fabrication of the motor shaft coupler
- [#54] Fabrication of the motor housing

Tasks completed in the last week

JIBEBE

- [#54] Formulation of the vibrational isolation of the battery



Proposed alternative to the battery





Tasks to be completed in this week

- [#31]Final assembly of the tricycle

Month	Intern week	Tasks
Jan	Week 1	Taking measurements and 3D modeling of the tricycle Identification of parts
	Week 2	Design of chain drive, Shaft design Disassembly of the tricycle
Feb	Week 3	Acquisition of parts Fabrication and assembly of the tricycle Literature review on e-tractors
	Week 4	Identification of parts to be replaced Calculation of power requirements for the shujaa tractor Measurement of chassis
	Week 5	Design of various transmission components 3D modeling of the Shujaa tractor
	Week 6	Vibration and stress analysis Acquisition of parts
March	Week 7	Fabrication and assembly of Shujaa tractor
	Week 8	Testing and performance analysis