

Internship 2022



Name: ALEX MBURU

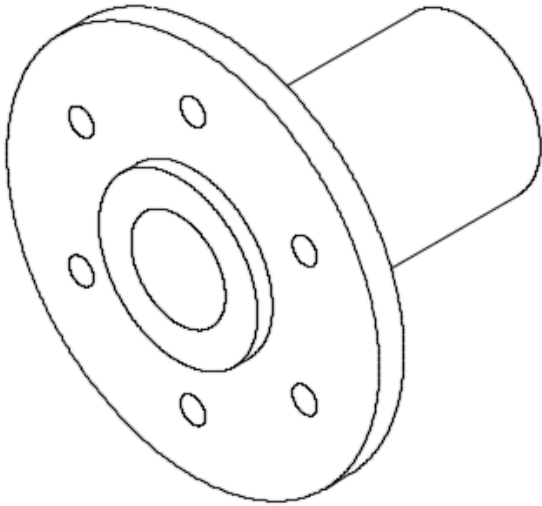
Tasks completed in the last week

- [#95] Acquisition of hubs, assembly on the wheels and wheel alignment



Tasks completed in the last week

- [#94] Design and Fabrication of flanges



Tasks to be completed in this week

[#31] Assembly of the drive train

[#31] Final assembly of the tricycle

[#90] Aesthetic finishing of E-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