

The Fawadinator 3000

“ChigoCheese”

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MEET THE TEAM

Axel Bendl: Motor, Treads, and Wheels

Andrew Zhang: Movement of Cannon

Chigoziri Okpanku: Cannon and Fawad Interface

Martin De La Cruz: Main body and Upper Cannon Holder

Marcus Ma: Tracks and Armor



OUR INSPIRATION(S)



The initial concept was inspired by our kind and generous APSC 180 and 181 professor, Dr Fawad Najim. (The Muffin Man)



Our design was based off of the character, specifically the tank mode of Bastion from hit video game Overwatch.

OUR DESIGN PROCESS

Treads and Wheels

Featuring all terrain functional treads, and cool looking wheels.

Armor

Featuring detailed and futuristic armor, providing ample defense for the machine.

Cannon and Body

With 2 degrees of rotational freedom and an adjustable height.

Fawad Interface

Featuring our beloved professor as well as the engineering society logo.

Treads and wheels

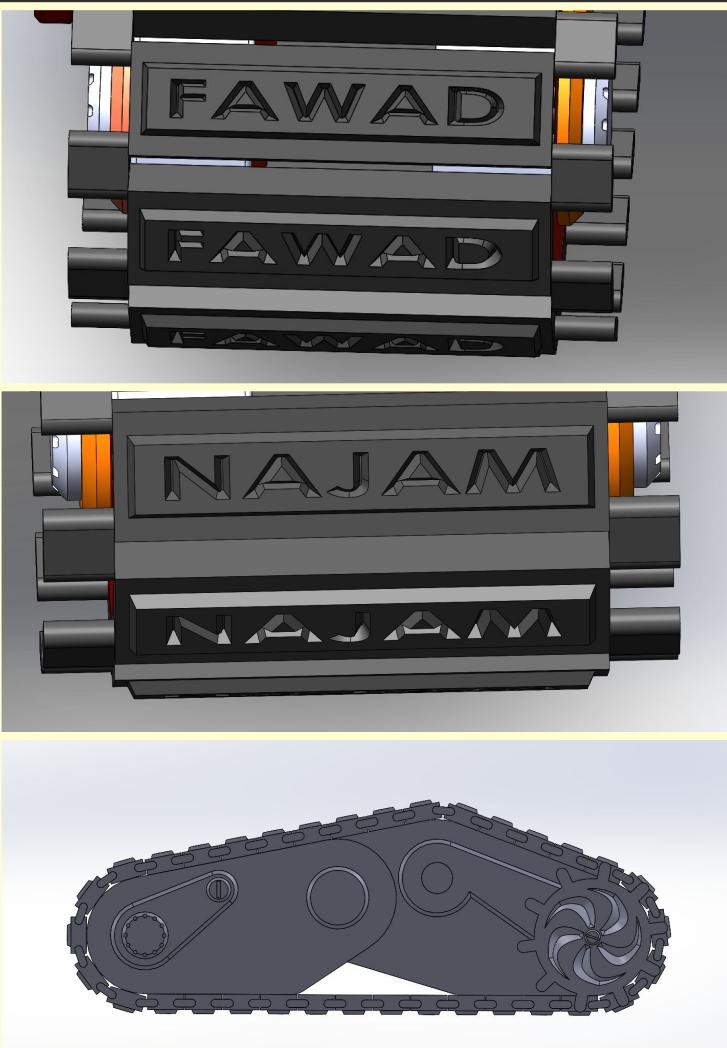
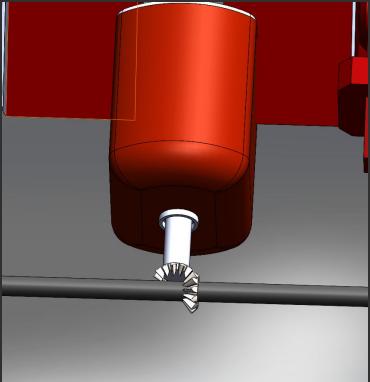
Features

Motor powered gears which pull the tank tracks along.

Left tread has "Fawad" embossed, right tread has "najam" embossed.

So that "Fawad Najam" is printed into the ground with every rotation.

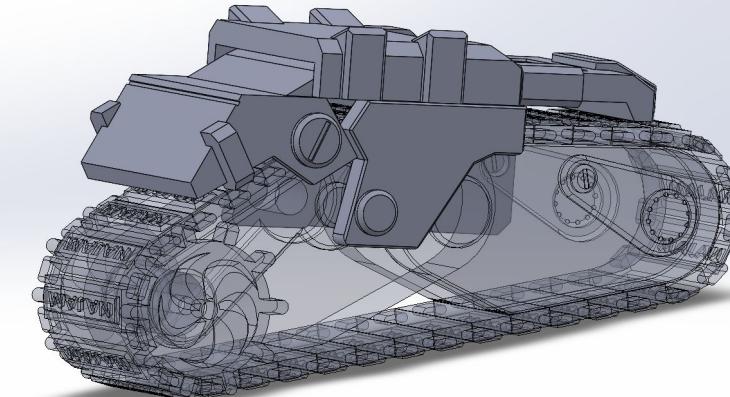
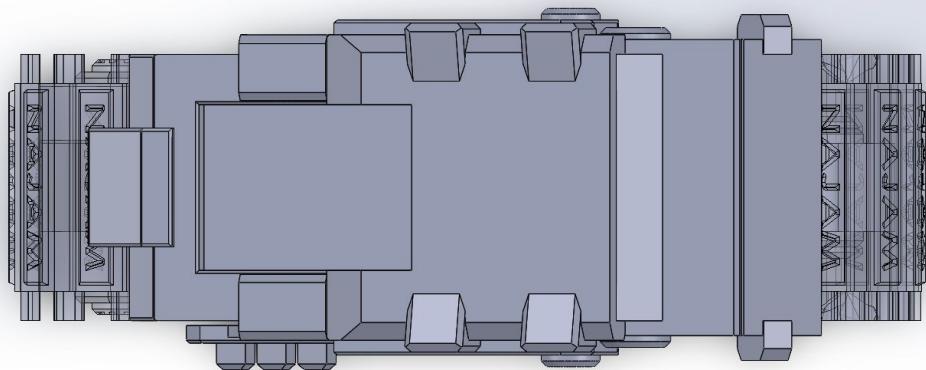
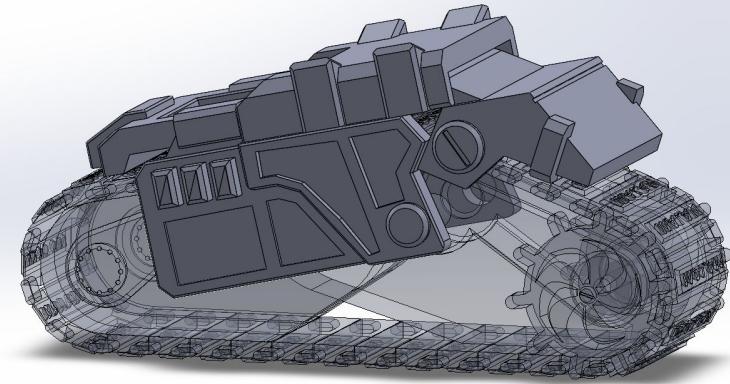
Simple DC Motor drive shaft mechanism.



Armor

Features

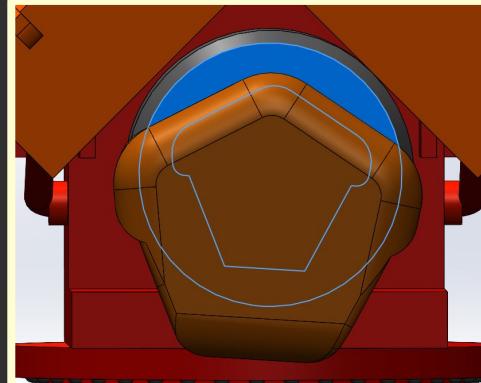
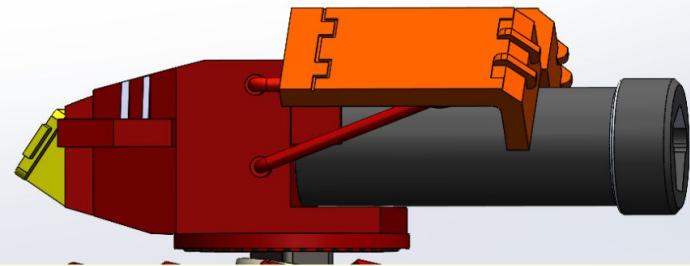
Powerful armor which connects to the wheel and main body, with details loosely based on the original model of Bastion.

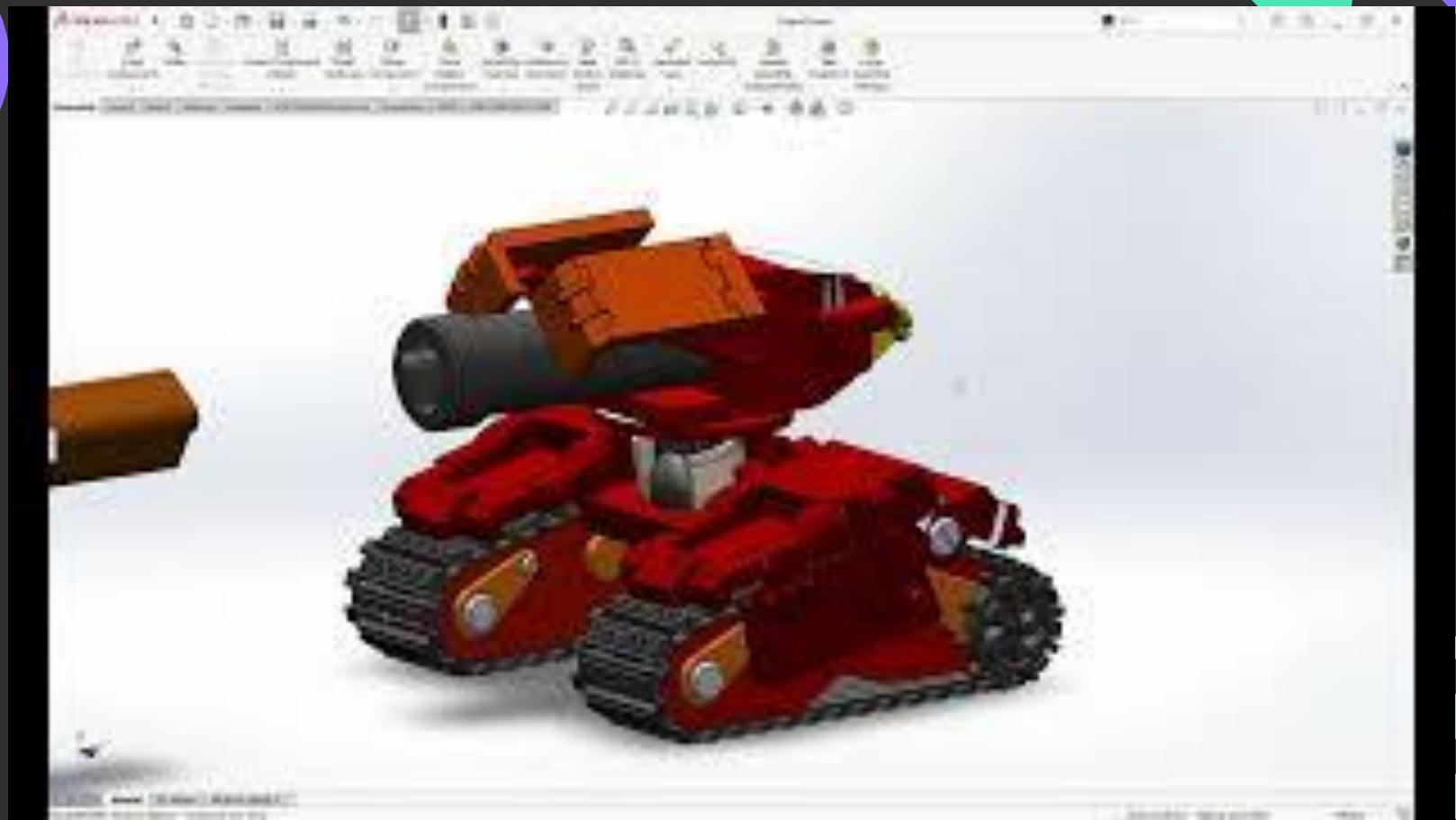


Cannon And Body

Features

The cannon and body can rotate 360 degrees and move up and down with ease. The muffins are created inside the cannon itself by the Fawad interface and shot out of the cannon





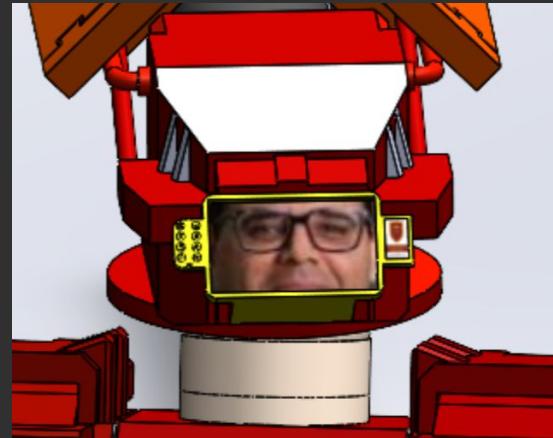
Fawad Interface

Features

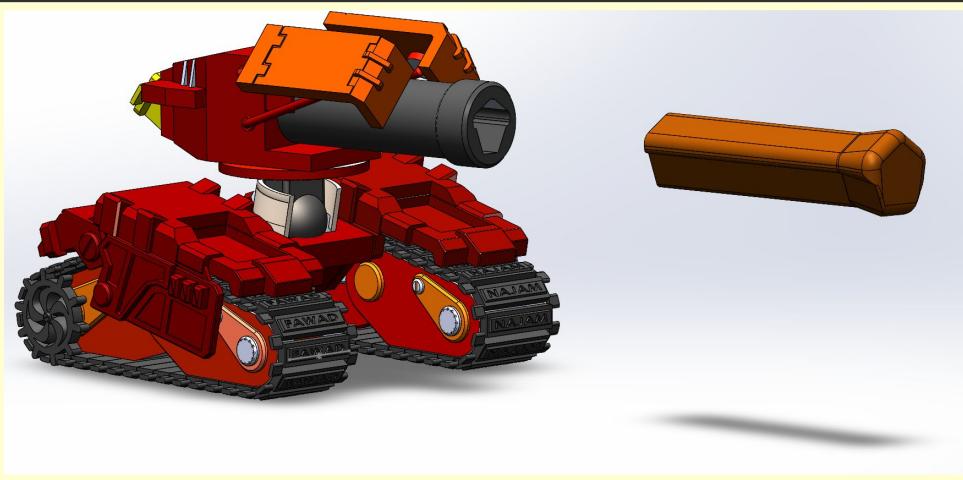
The Fawad Interface is the main interface in which the user interacts with the Fawadinator 3000. It features a myriad of knobs that can be used to calibrate the machine to control the rate of muffin output, the muffin composition, and a variety of other functions.

The main screen (which cannot be turned off by any means) permanently displays a headshot of our glorious Statics/Dynamics Professor Dr. Fawad Ahmed Najam.

The side screen (which also cannot be turned off) displays the EngSoc logo when on standby but can be used to aim the Fawadinator 3000 in any direction.



Final Design



Thank you!

