



The Fawadinator 3000

“ChigoCheese”

Martin, Marcus, Chigoziri, Axel, Andrew

TABLE OF CONTENTS

o1 MEET THE TEAM

o2 OUR INSPIRATION

o3 OUR DESIGN
PROCESS

o4 TREAD AND
WHEELS

o5 ARMOR

o6 CANNON AND
BODY

o7 FAWAD
INTERFACE



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)





OUR DESIGN PROCESS



Treads and Wheels

Featuring all terrain functional treads, and cool looking wheels.

Cannon and Body

With 2 degrees of rotational freedom and an adjustable height.




Armor

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

Fawad Interface

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





Treads and Wheels

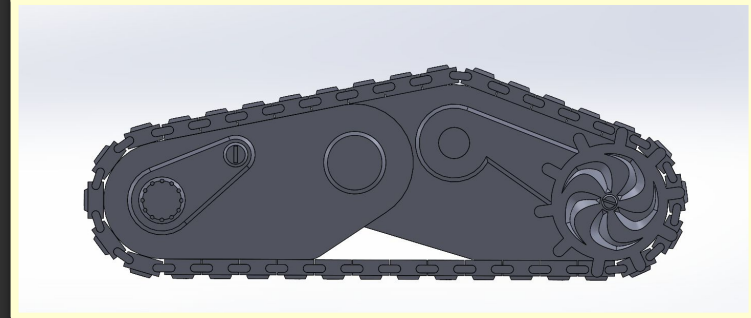
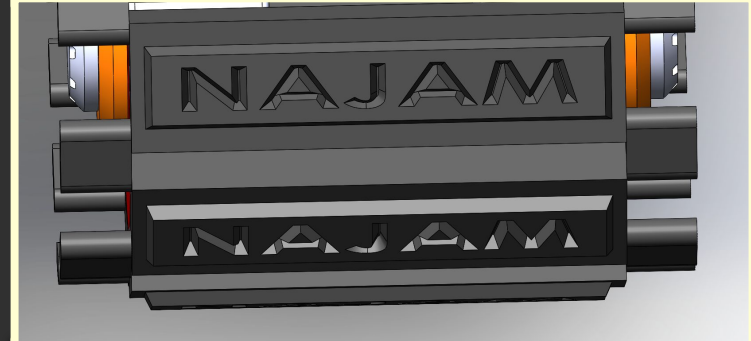
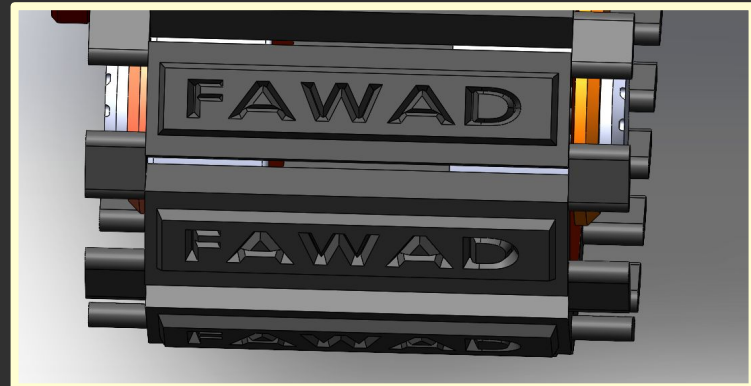
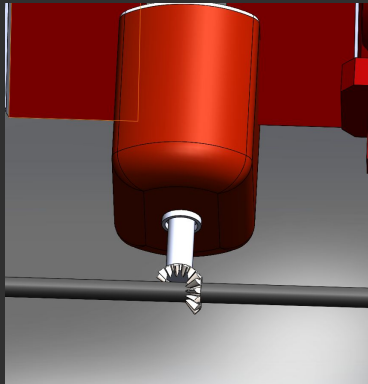
Features

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.

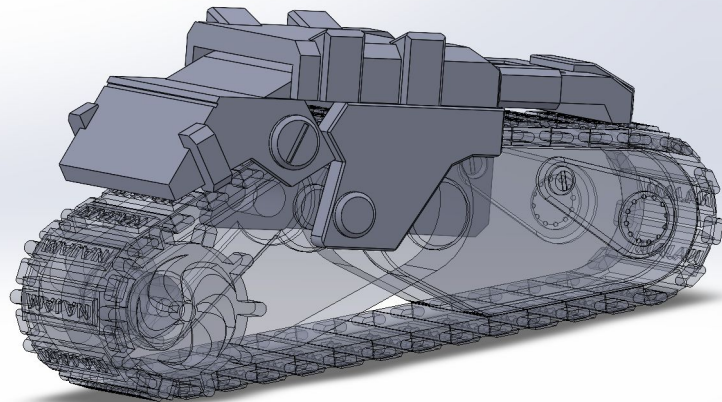
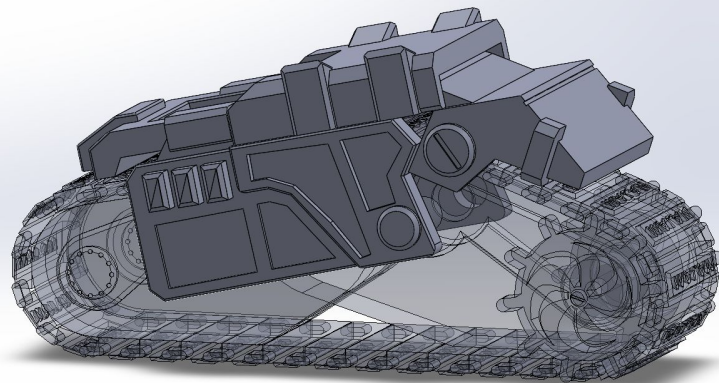
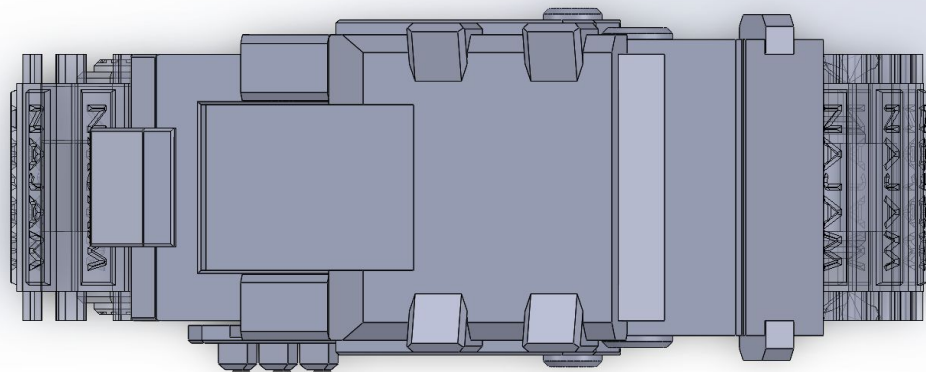





Armor


Features

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



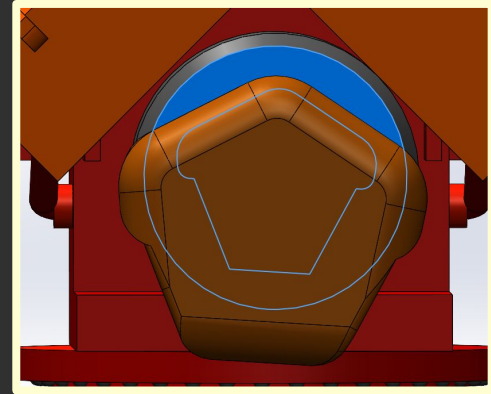
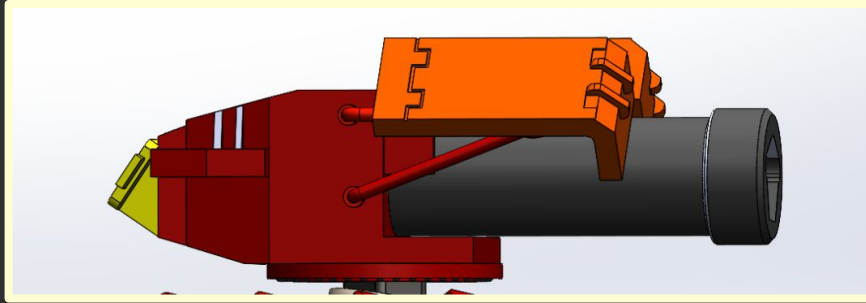


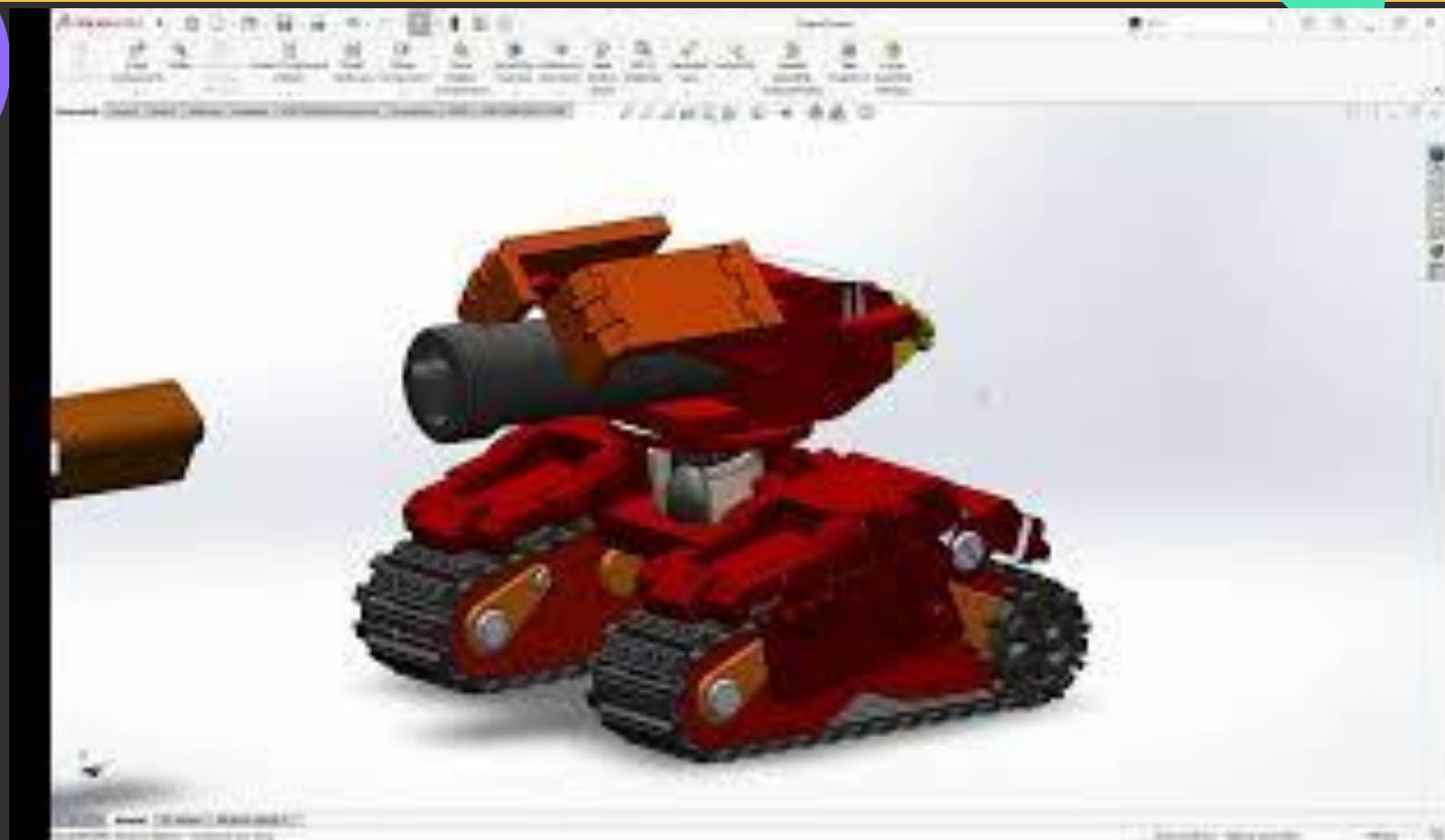
Cannon And Body



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

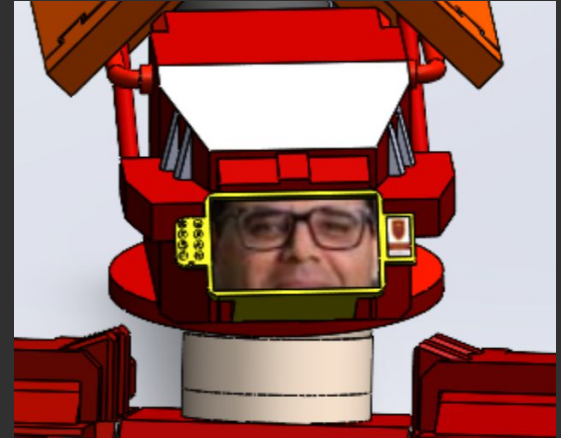


Features

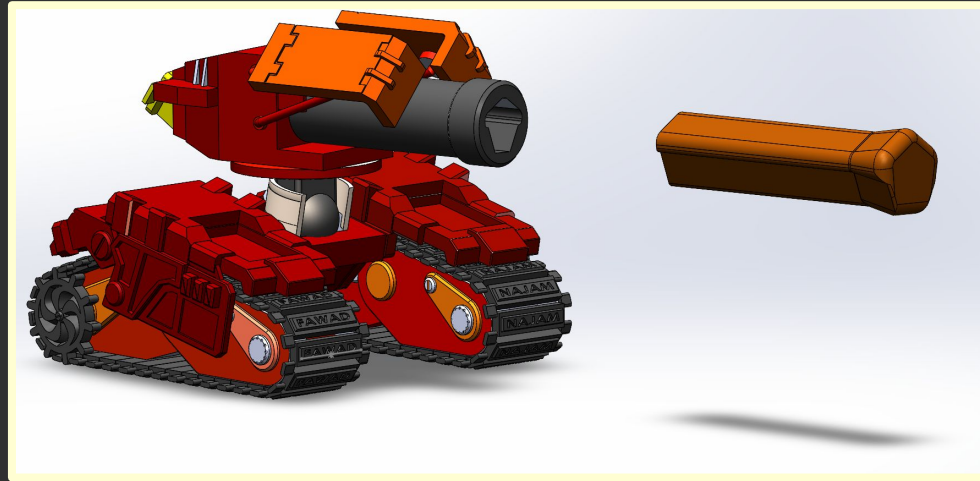
The Fawad Interface is the main interface in which the user interacts with the Fawadinator 3000. It features a myriad of knobs that can be used to calibrate the machine to control the rate of muffin output, the muffin composition, and a variety of other functions.

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!

