KEY REQUIREMENTS

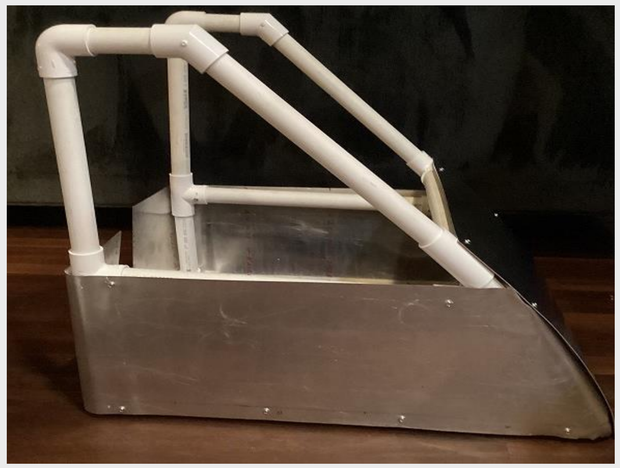
This vehicle is to be a miniature version built to:

- Fit within a standard doorway (36 x 80 inches)
- Safely transported by one to two people
- Operated by a remote control
- Powered by a rechargeable battery
- Budget: $300

BENNYBOT SPECIFICATIONS	
Max Speed	
Weight	45 lb
Length	36 in
Width	30 in
Height	36 in
Battery Life	1 hr

Oregon State University

BENNYBOT: MINIATURE RC BAJA

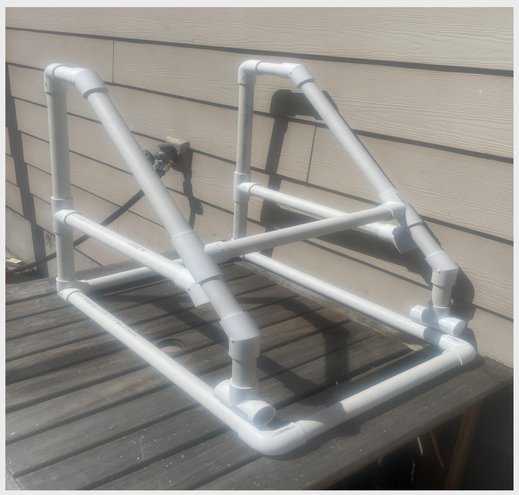


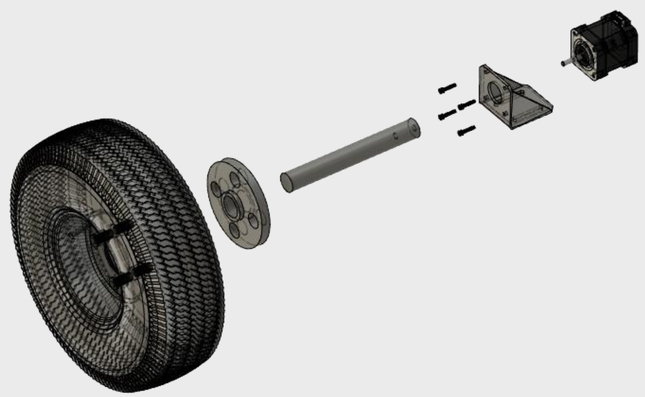
PVC Pipe Frame, Sheet Metal side panel, Tire (x4), Steering Wheel, Driver – Benny the Beaver

BennyBot is a collaborative effort assembled from concept to the latest version completion over 20 weeks with sponsorship from OSU.

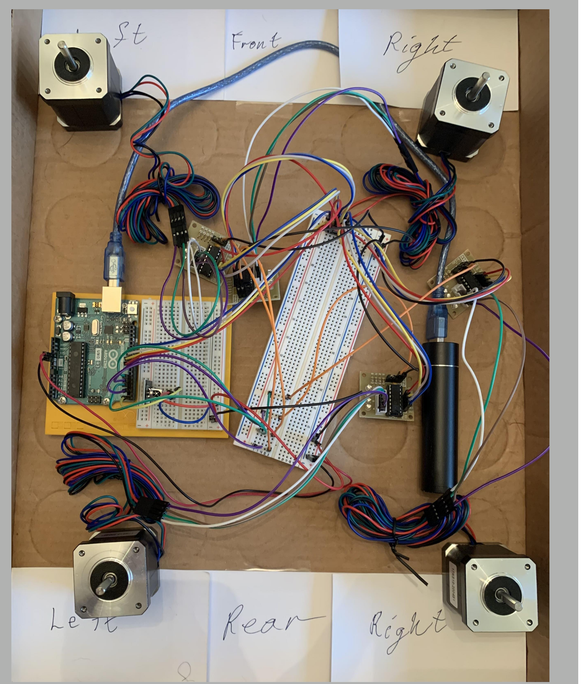
DESIGN DEVELOPMENT

The BennyBot is a remote-controlled robot built to look like Oregon State University's Beaver Racing Baja SAE vehicle with Benny the Beaver as the driver.





SMALL SCALE DRIVE SYSTEM



Components Include:

- 4 Motors
- Breadboard
- Arduino Uno R3 Micro Controller
- Battery
- IR Controller
- Motor Command Modules

ACKNOWLEDGMENTS

TEAM MEMBERS: ANDREW PURCELL, ARIEL STROH

ADVISOR: DR. SARAH OMAN

SPONSOR: MIME