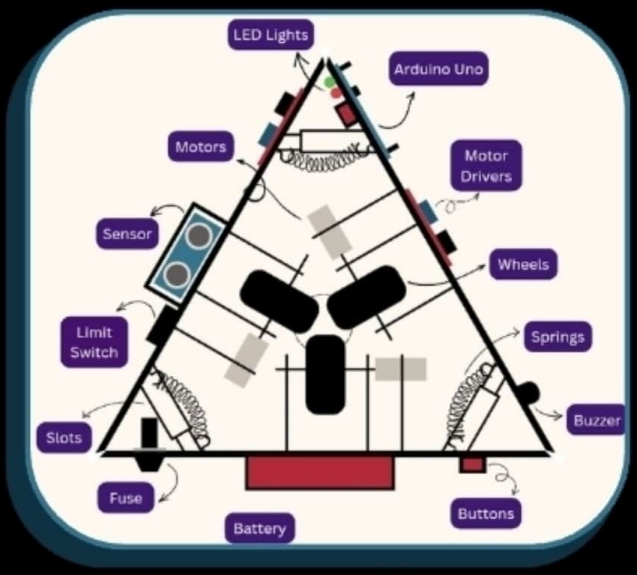
EXTERNAL PIPE CLIMBING ROBOT

IMECHE - AKDC

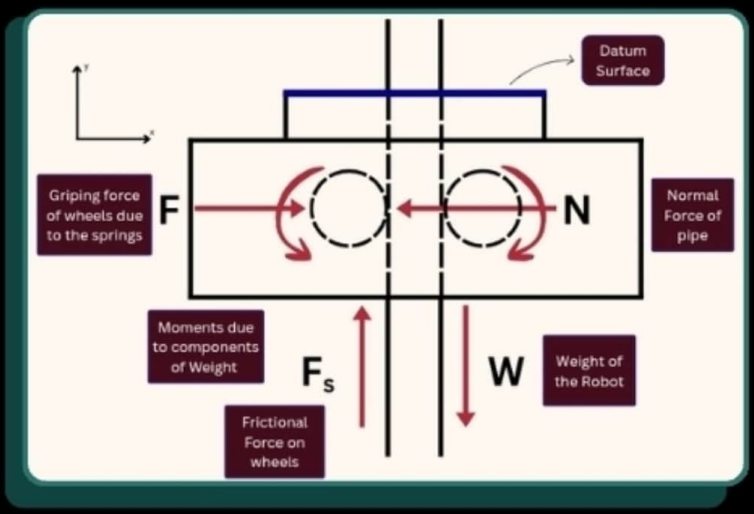
TEAM MECHAGRIP

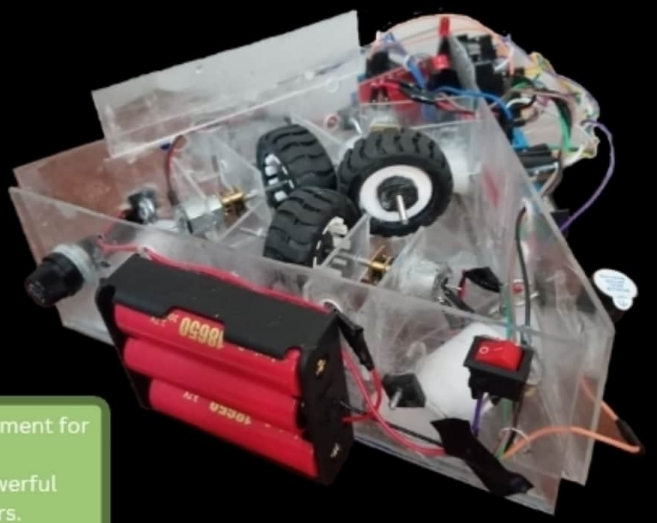
Ayema Ejaz - 546826
Eshal Arshad - 572100
Faria Zainab - 575797

MECHANICAL DESIGN

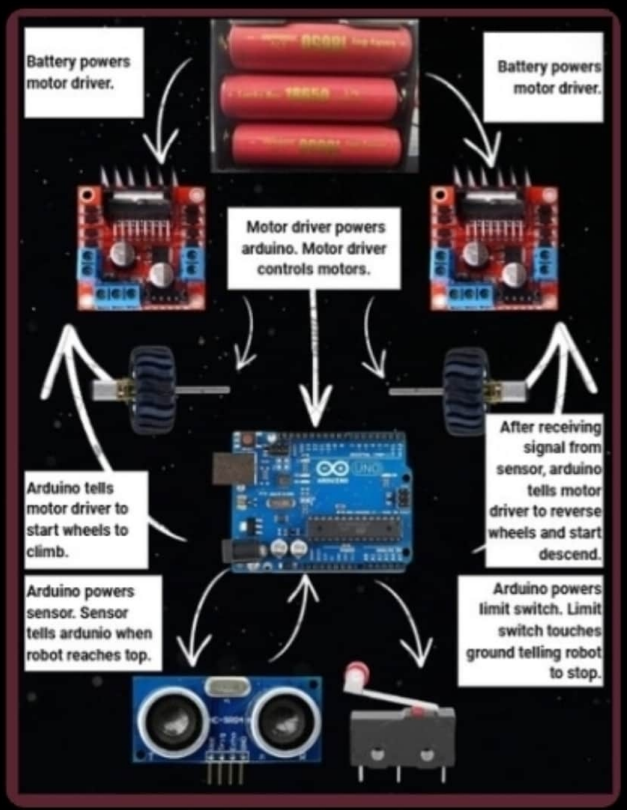


FREE-BODY DIAGRAM





CLIMBING MECHANISM



- 120° Wheel placement for stable climb.
- Compact and Powerful n20 geared motors.
- Springs for stronger grip.
- Light weight built for easier climbing.

OPERATION SCHEME

FOUNDATION CHALLENGE



ADVANCED CHALLENGE

