

F.R.A.M.

(Faeces Removal Automated Machine)



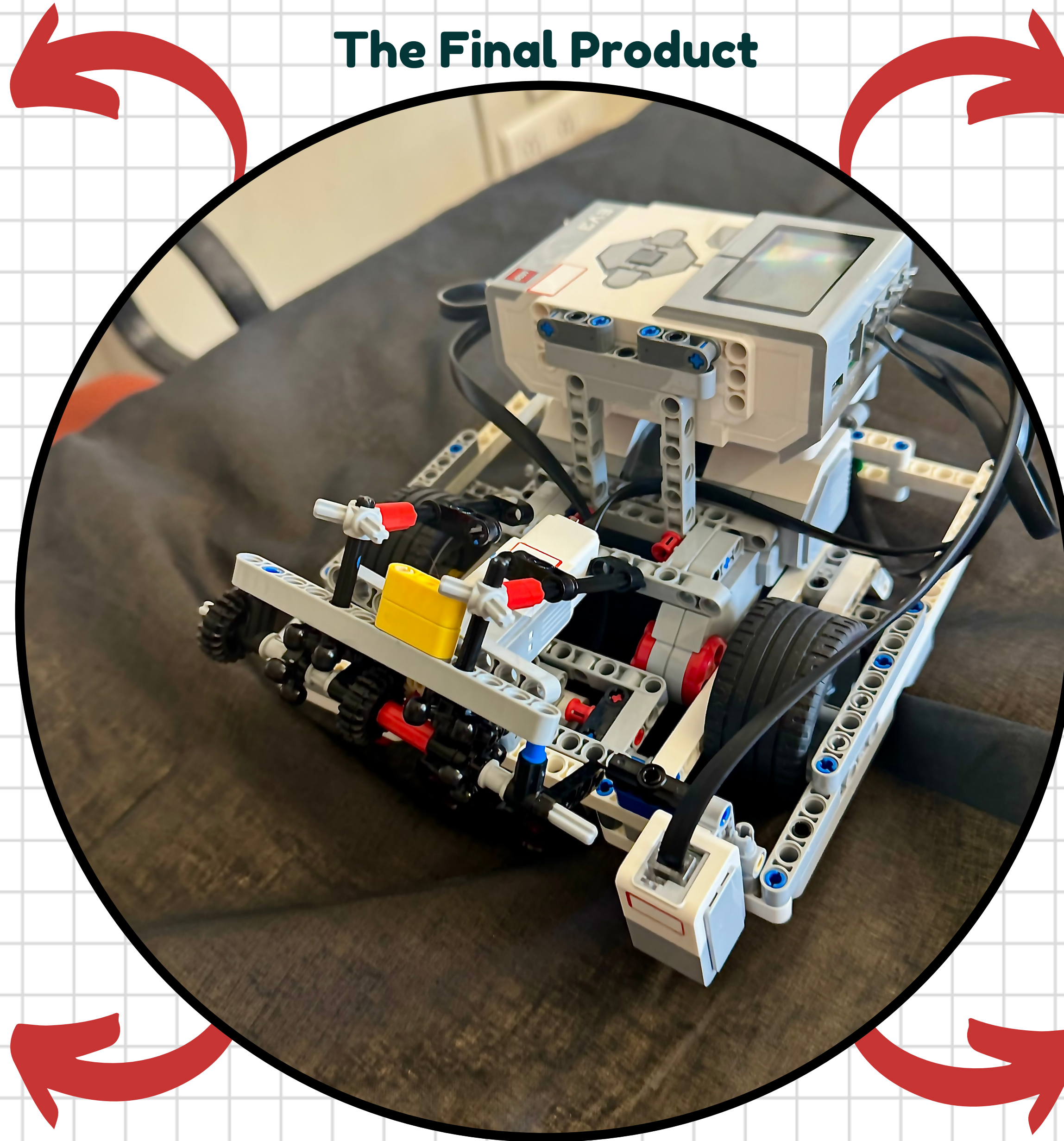
Problem

The problem that we identified in our neighbourhood was the sheer level of canine fecal matter that was piling up on footpaths and posing biohazard and environmental concerns

Our solution

To effectively combat this problem, we created a solution that we believe will be effective in promoting a cleaner and healthier environment. We built FRAM- the Faeces Removal Automated Machine.

The Final Product



How it works

FRAM is a robot which has been designed with ultrasonic sensors as well as electronic motors in order to allow it to move around autonomously and efficiently detect and collect dog waste.

Impact on Community

FRAM helps to reduce involvement of physical labour in the process of collecting fecal matter from roads which is beneficial as fecal matter often contains harmful pathogens such as bacteria virus and parasites which can be detrimental to the health of the workers.