

Team 2772J

The Metalbenders

VRINDA - TEAM CAPTAIN

MEGAN- LEAD BUILDER

JIA - CAD AND BUILD

RUHI - PROGRAMMER

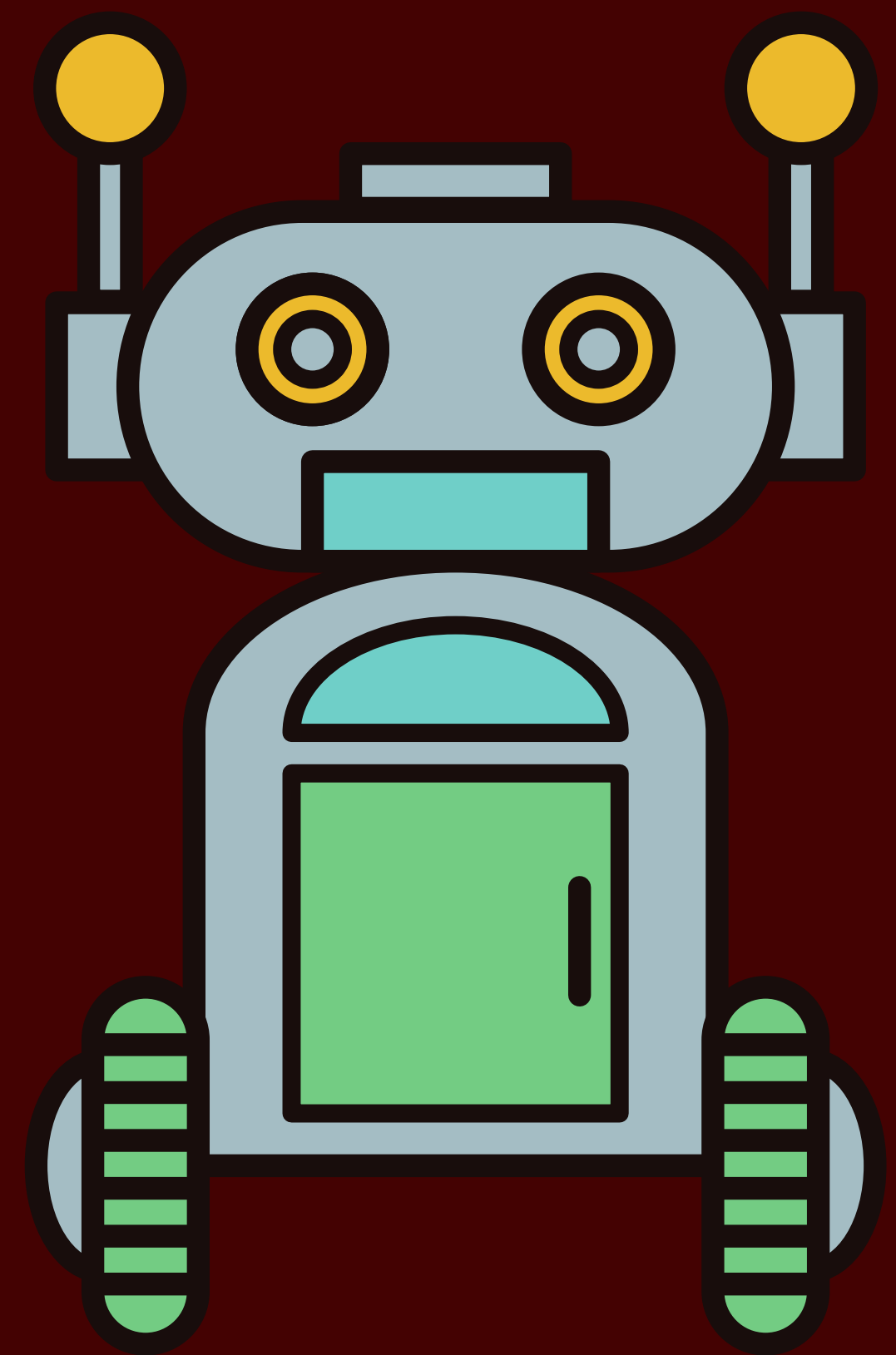
SNEHA- NOTEBOOK MANAGER

NIKHI- CAD AND BUILD

Location: San Ramon

Career: Software engineer

I had consulted a young woman working in Microsoft, as I was particularly interested how, as she had previously participated in VEX robotics, she was able to utilise skills she learned as a builder of her robotics team in her job. Especially as she is a woman in STEM, I was wondering if her opportunities and treatment from others mirrored or was different from those that was able to have as a highschooler in the robotics environment.



Particularly I was interested in learning of her design process for creating new products, reviewing them, and debugging software in an effort to recognize its similarity to the practices my team uses for designing.

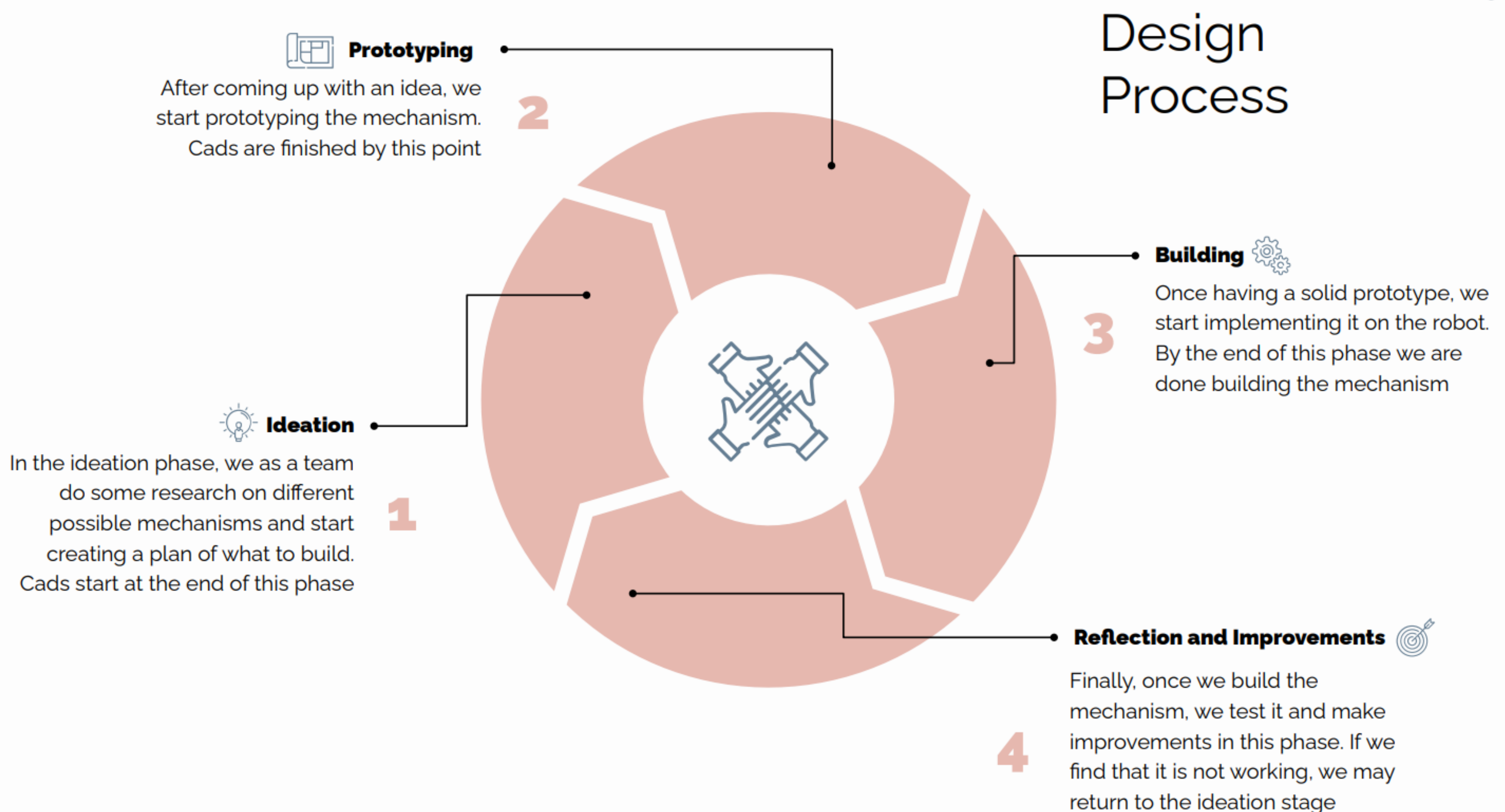


Microsoft's Design Process

As a team, my colleagues and I share our opinions on the probable discrepancies between how the technology is intended to work and how it works, as well as the possible bugs that might be contributing to it malfunctioning. Then, we continuously work to implement the ways that we believe will fix it, executing our ideas until we find a solution. At the end, if we have time, we will likely improve the preexisting technology and give feedback on how it can provide further efficiency to its future users.



Team 2772J's Design Process



How it is similar:

Both our team and Microsoft initially start off with the ideation phase, where we brainstorm possible solutions or viable options for achieving our goal, which in the case of our robotic's team is to build a robot that can effectively maneuver through the challenges posed during the game. While we prototype a possible robot design and later build it by executing our ideas, her Microsoft team also tests their ideas. Finally, both of our teams reflect on possible ways to improve our current model in order to ensure that our projects are the best versions that they can be

How participating in VEX prepares you for the future:

One of the most important values that I have been able to develop by being a part of the VEX community is teamwork and being receptive to others' ideas. My team Team 2772J ensures that everyone's ideas are recognized and considered before proceeding with prototyping the robot. Not only will we be able to utilise these skills in the future in the workplace, but it is also an important quality that can be displayed amongst a group of friends so that everyone feels heard and appreciated.

Additionally, we learned how to implement and improve our talents and ambitions by creating a robot works to show impressive actions such as picking up rings and mobile goals.

The VEX community is not only an environment for individuals to develop their passions in robotics but also one where they are able to foster a supportive community and improve their teamwork skills.