

Our super power
OUR SUPER POWER..

TEAM 611c
Apex NC



Girl
Powered

BY EESHA VINOD



Is girl power
IS GIRL POWER...!

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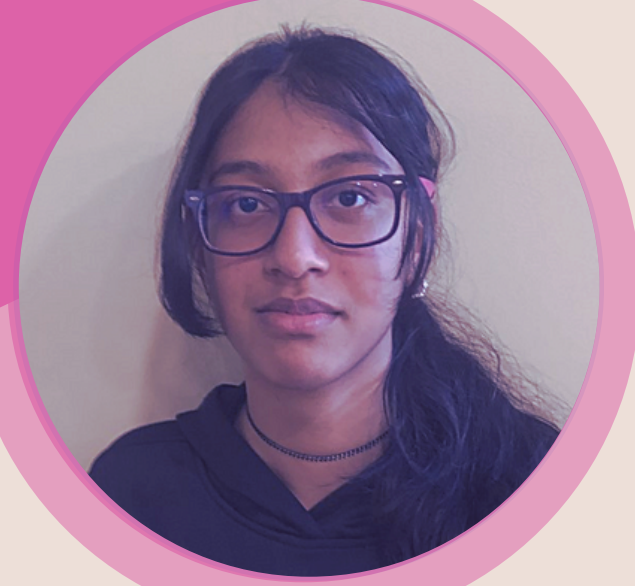
Working Together

As a team

Our team is very supportive, and we promote inclusivity by providing opportunities for everyone to speak out their opinions, and one way or another, we embrace everyone's ideas. Going to practice every week is something I look forward to because it's like a safe space to expand our skills and interact and receive support and feedback from each other.



Our Girl-powered team



Avni
7th Grade
Builder



Eesha
8th Grade
Programmer



Nishka
7th Grade
Driver



Our team



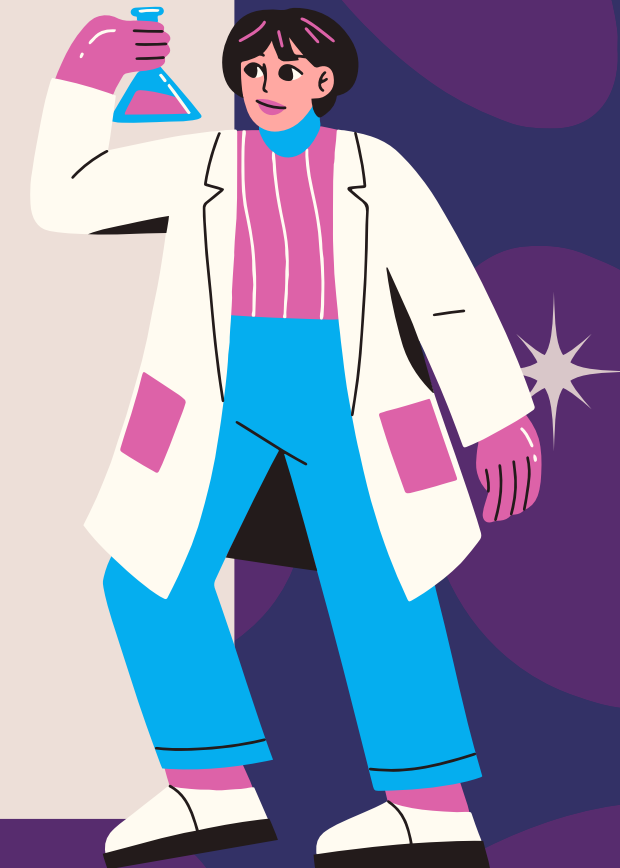
Srivastha
8th Grade
Builder



Advay
7th Grade
Driver



Soham
8th Grade
Driver/Builder



Team Chemistry

The interactions on our team



In my team, we all have had the opportunity to participate in numerous projects that have allowed me to develop my technical skills. Still, our experiences allowed us to expand on the importance of teamwork, iteration, and innovation.

The way our team works is by brainstorming ideas and sketching out a plan for our robot. From there, we build and assemble the robot using various components, including motors, sensors, and programming modules. We decided upon our roles together and made sure to give everyone a position in our team that they liked. Vex robotics helps us figure out and learn without constant assistance from adults; it helps us discover our true abilities, likes, and dislikes; we are all passionate about using our talents to create innovative and impactful projects.



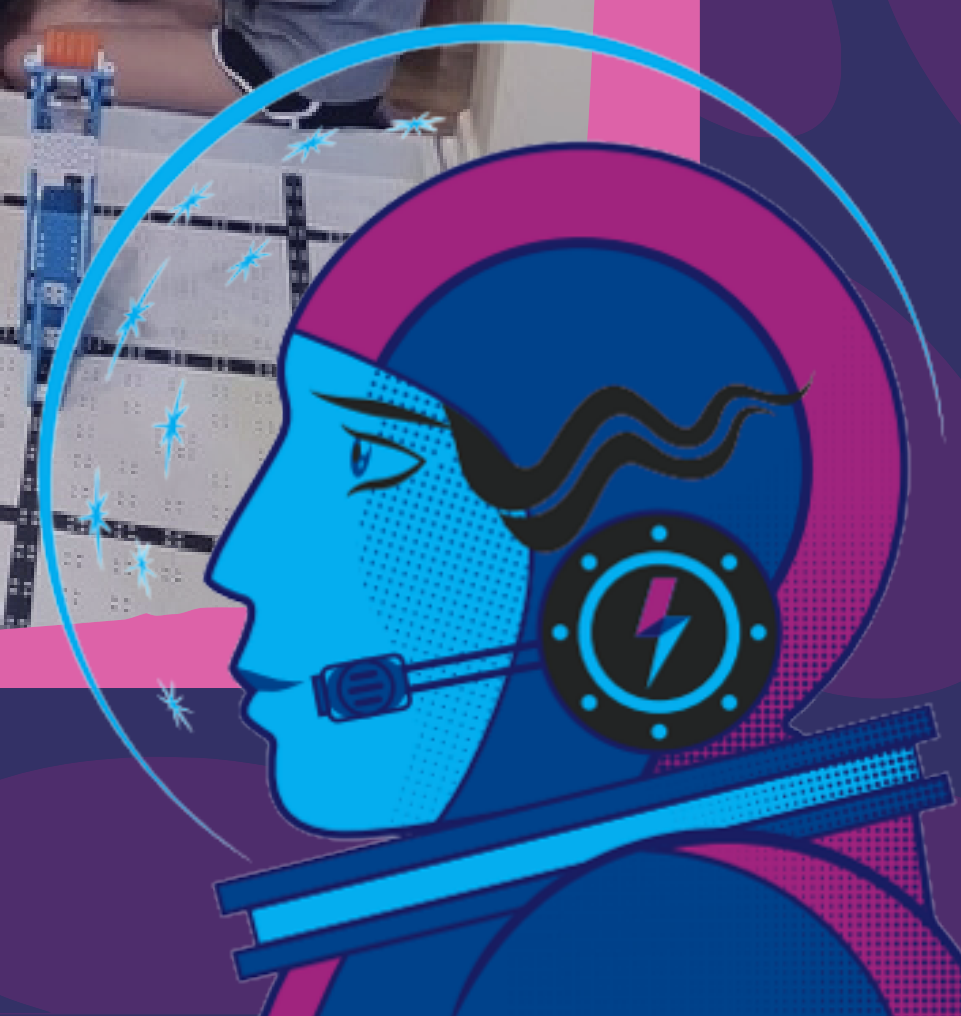
Girls In STEM: Breaking the barriers

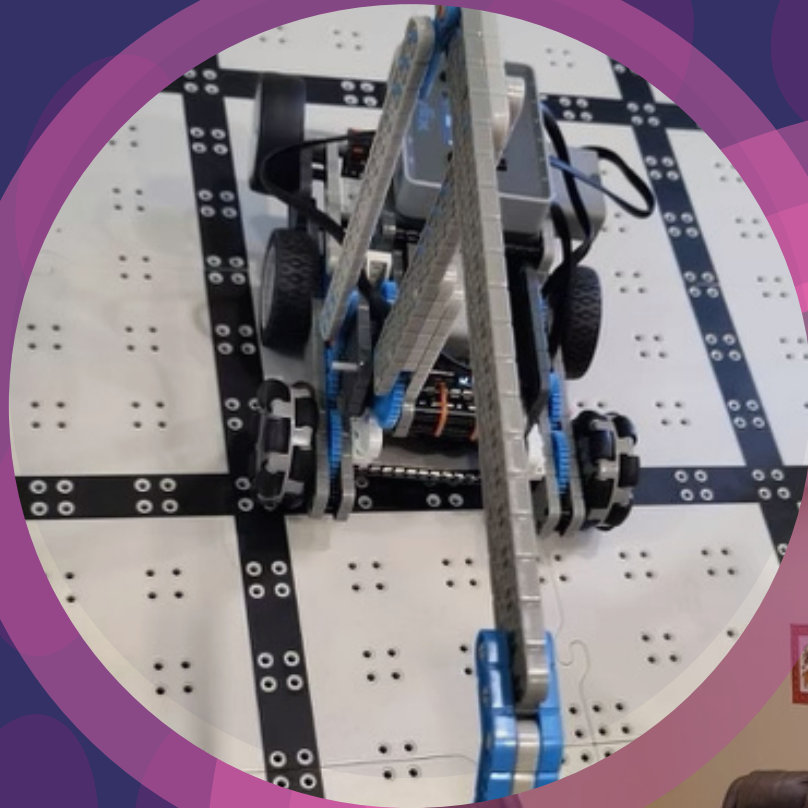
When we think of STEM, we see it as a vast field with many opportunities. When entering a STEM field, you can choose between so many career paths, but despite this, gender bias still doesn't cease to exist. Although many women work in STEM fields, their gender plays a role in their salary, treatment, etc. Seeing the various hardships women face in STEM, it is engraved into young girls' minds that STEM isn't for girls. Still, in my team, we support all of our teammates because it is crucial to nourish young minds by allowing them to expand and grow, and our team is the perfect environment for us to do that.

Diversity on our team

Making every voice heard

Throughout the months that we've worked together, our team has shown nothing but encouragement, support, and hospitality to each other. We ensure it is a collaborative space where we promote equality and inclusivity toward all our teammates.





Our Roles:

We have six members on our team, and each of us has a role to play in developing our robot. We have three builders, Avni, Soham, and Srivastha, and building comes with a lot of trial and error; our builders had to reconstruct the robot from scratch many times before it could become what it is today. My name is Eesha, and I am the programmer on the team. I focus on preparing code compatible with our robot for the autonomous challenge. Then we have our drivers, Nishka, Advay, and Soham, who drive the robot during the competition's operating challenges. Finally, we have our design team, the head is Avni, and the other members are Soham and Nishka. Our roles promote diversity because each group has girls and boys in each position, and we treat each other equally.

Embracing ideas

When a teammate has an idea, it's our job to help them carry it out

Our team is built on various perspectives and opinions, we include everyone's ideas in our robot one way or another, and we are open to making improvements to our initial design if the idea shows value to our robot.

Everyone's voice matters on our team, and it is essential to incorporate everyone's input because their views make our team diverse.

When we incorporate other people's ideas, they feel heard, and in this case, my teammates never hesitate to speak out their ideas because they know that we will try our best to support them.





My Inspiration

Mary W. Jackson

Mary Jackson was an aerospace engineer at NASA, and she pursued a career in engineering in the 1950s when men dominated the industry. But Mary didn't let this stop her, and she became one of the first black women to enter aeronautical engineering. In 1976 Mary received the Apollo group achievement award shortly before her retirement. Mary Jackson inspires me because she went into a field that most women shied away from at the time, she was brave, and she proved her value through her achievements, and I feel like our team should strive to be like her and not let our genders define our true potential.



Our Aim

How we will create inclusive environments

Our goal is to develop more inclusive environments in engineering and robotics so girls feel more empowered and encouraged to participate in this STEM. That gender isn't something that should stop them from pursuing their desired career. When I say "Girl Powered," it's more than just one individual's achievements. It is how young women like me can encourage others to break down the barriers that the world has created for us and become the future of STEM and engineering.



What motivates us

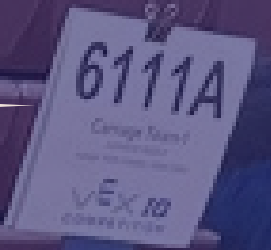
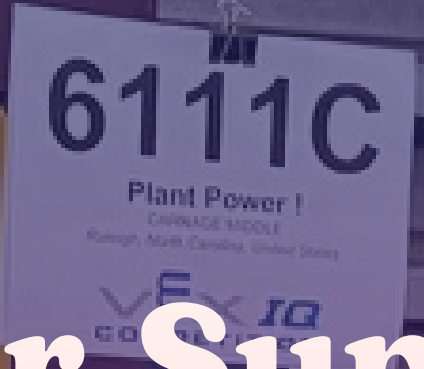
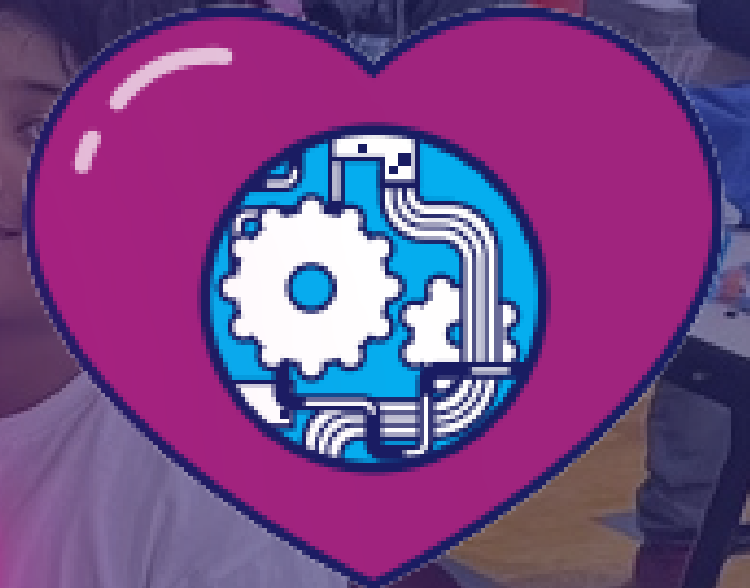
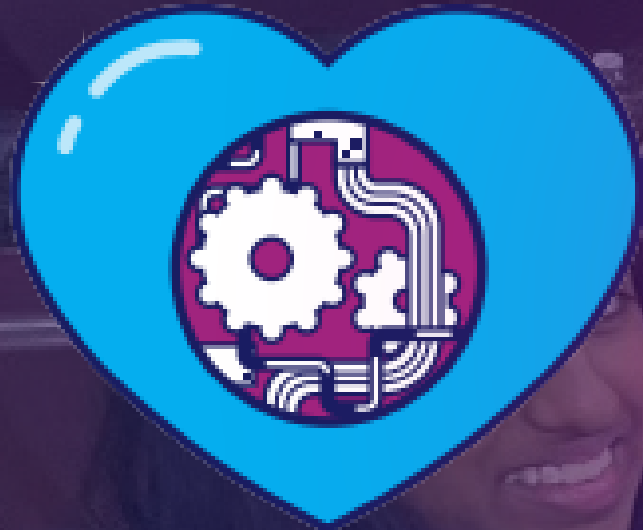
What empowers us to succeed

In addition to the technical aspects of Vex IQ robotics, our team has also learned the importance of teamwork and collaboration. Our team fosters a sense of community and support among our team members, which motivates our teammates to keep going, and allows us to divide tasks and utilize each team member's unique skills and strengths. Whether we win or lose, we keep going because we have each other's support, and that the experience provides more value than any win we could ever get. Vex IQ robotics has been an enriching experience for me and my team. Through our projects, we have learned the importance of teamwork, iteration, inclusivity, and programming skills, and we are excited to continue exploring the endless possibilities of robotics in the future.

Our Super Power is...

GIRL

POWER



REFERENCE PAGE

TEAM 611C

Team Members: Eesha Vinod, Nishka Karki, Advay Gaonker,
Soham Gaonker, Srivastha Marduva, Avni Choudepally
Apex, NC

Sources: (sites used)

Nasa: <https://www.nasa.gov/content/mary-w-jackson-biography>

Girl Powered: <https://www.roboticseducation.org/girlpowered/>

