



Girl Powered!

Becoming the change we want to see in the world!

HBS
Erudite-3710E
London,UK

By
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All about Erudite!

Erudite is a team where teamwork and determination are at the core of the values we have as a team. Initially rejected from the initial applicants we never gave up to make our team, to fulfill our dream of helping the world. It was a way for us to improve both our strengths and weaknesses but most importantly to have fun and challenge our limits!



About The Team!

Tanishka and Suhani

We are the programmers. We love coding because it broadens our knowledge and ability to understand programming as well as getting creative to solve problems. Our strengths include leadership and co-operation with the team and logical reasoning.



About The Team!

Chloe and Trisha

We are the sketchbookers. We love sketchbooking as it enables us to let our creativity flow and because we love designing! Our strengths include listening, thinking logically and drawing.



Sketchbooker's Art!!

All about the team

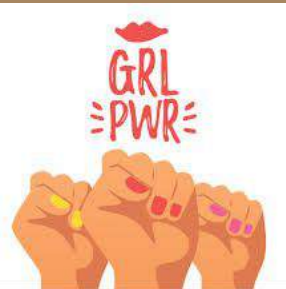
Yashu and Abbirami

We are the builders. We love building as it challenges our spatial awareness and logical thinking. Our strengths include teamwork, listening and co-operation.



What does girl power mean to us?

To us as a team, there was one main theme that struck us all when we heard the term 'Girl Powered'. And that was equality, not that girls were better than boys or smarter than boys but that we were equal. That we could do whatever we wanted as girls, that we were capable of being independent, and that we could get rid of taboos about things being only for boys, things that we still hear today in the 21st century for example lego is only for boys, wearing trousers are for boys and playing football is only for boys. Even today, in the construction business only 30% of workers are women all which is set to change as more and more women enter STEM. And most importantly, that we as girls have the power and no-one can tell us what to do or how to do it.



Variety on the team!

In Erudite, as said we all have different roles, and we all make sure that we live up to the standard of completing all our important tasks connected to those roles, like documenting for sketchbookers, or testing mechanisms for the builders. We get whatever needs to be done as soon as possible and try to make it work swiftly! But this does not work by just sticking to your own role and not participating in building if you are a programmer, or not helping program if you are sketchbooker, but by helping wherever you can and not refusing to do anything else but your own assigned role. This helps us to broaden our own understanding of all the main three different fields so we can help each other solve problems that may hinder us from reaching our shared goal.



Inclusivity!



Our team takes initiative to create a more inclusive environment by discovering each others interests outside of robotics for example what we enjoy doing in our spare time or our favourite tv shows. This way we got to know one another better and build strong friendships. At first it was tricky talking to one another since we didn't see each other often or know each other well. Due to this we kept our ideas and questions to ourselves scared of being judged or humiliating ourselves. This affected our approach as we were shy and unable to talk to the members of the team we didn't know which meant we started to fall behind in building our robot due to the lack of communication. It also made us hesitant on our love for robotics but when we met up at Yashu's house we realised we were very similar and this helped us collaborate together to finish our robot. Soon we realised robotics was our passion and doing it with the new friendships we made, made it more worthwhile. With the invisible obstacles gone we learnt a lot about each other and enjoyed spending time together. We give everyone the space to open up and be able to share their thoughts freely with everyone.



Our STEM Role Model!



The popularity of working in STEM fields is growing popular amongst women but things weren't so easy for women who paved humanity into a safer place through their ingenious inventions. Gladys West, our STEM role model, was one of these women. Gladys West, an American mathematician, most famously known for her work that contributed to the development of the Global Positioning System. From a young age, she dreamt of pursuing a career but she needed the money for a good education but West was brought up on her family's small farm which meant saving money to attend college was strenuous. Through hard work and dedication she received a scholarship to Virginia State University earning a Mathematics degree and later a Master's in Mathematics in 1955. In 1956, West was the second Black woman to be hired at the now known as the Dahlgren Division of the Naval Surface Warfare Center and was one of only four black employees. During these years, West was appreciated for her ability to solve complex Maths problems even programming a computer to make precise calculations for the orbits of satellites. These calculations made it possible to determine a model for the GPS system. West is a huge inspiration to us as a team. West had to put in her own efforts and time to ensure she gets her Master's degree. As an independent team, we had a slow steady start but as we grew closer as a team now we became able to grasp things quickly and implement it to our robot. Her success teaches us that despite every obstacle you face you should never give up. Her determination to find solutions inspires us to work hard and be dedicated until we have chased our dream. She also shows us no matter your race, religion or age we are able to tackle all hurdles we face in this VEX season, not only that but in life too.

Diversity within our team



Diversity is a very big part of our team and we all have unique and special ideas when it comes to our robot. Our ability to have different ideas is the key to our success and the reason we thrive, but can also cause some disagreements. Disagreements happen because we have so many ideas that we don't know which one to choose but this helps our robot to be the best it can be and we are able to compare and choose the ideal design for our robot. For example we had a disagreement over which shooting mechanism would be best: some of our teammates wanted intermittent and some flywheel, because of these ideas we were able to experiment and at the end we found that flywheel worked the best. Our diversity is not only in the way we think but our methods and the way we do things like the way we design our sketchbook. This enables us to learn about each other and become more efficient and find which method is the most efficient for each part of the robot.



The smartest thing a woman can ever learn, is to never need a man.

curiand.com

"THERE IS NO FORCE MORE POWERFUL THAN A WOMAN DETERMINED TO RISE."

STRONG WOMEN LIFT
each other up.

Woman is the new Strong

A Strong Woman Knows How To Keep Her Life In Line. With Tears In Her Eyes, She Still Manages To Say, Nah, I'm Fine.

Quotes our team lives by!

She BELIEVED she could **SO** SHE DID

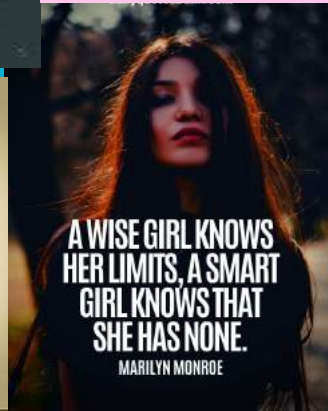
"THINK LIKE A QUEEN. A QUEEN IS NOT AFRAID TO FAIL. FAILURE IS ANOTHER STEPPING STONE TO GREATNESS."
- Oprah Winfrey



Don't be the girl who needs a man.
Be the girl a man needs.

WHO RUNS THE WORLD? GIRLS

"BEAUTY ISN'T ABOUT HAVING A PRETTY FACE. IT'S ABOUT HAVING A PRETTY MIND, A PRETTY HEART, AND A PRETTY SOUL."



Credits for websites and quotes used

- 1.Euriano.com
- 2.Dream/team.com
- 3.Forbes
- 4.Special Education and Inclusive Learning
- 5.MOOC.org
- 6.ITPro Today
- 7.Workable Resources
- 8.Air Force
- 9.Vecteezy
- 10.InspireMyKids
- 11.Flickr
- 12.Science Centre-3M Canada
- 13.FutureSkills Prime
- 14.Love Happens Magazine
- 15.Museuly
- 16.Facebook
- 17.Home of home fragrance
- 18.Pinterest
- 19.Marilyn Monroe
- 20.Oprah Winfrey
- 21.Shutterstock
- 22.Independent.ie
- 23.Rakuten Kobo
- 24.VectorStock



Thanks!

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