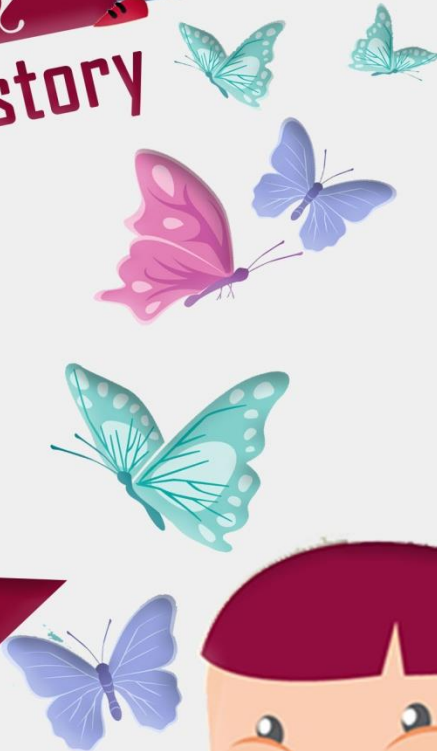# Butterfly

Short story

vexFamily

98472A

ROBOTECH

Hello, my name is Yasmeen Ahmed. I'm 17 years old. I'm from Egypt.

My friends are calling me butterfly as usual larvae depends on their chrysalis for days and weeks to be a cheerful butterfly.

Maybe it's not the reason for having it's name but I found it good example for fulling difficulties typically when I enter any field ....

One of my best recipe box is patience and keep learning till I success.

When I joined robotics field, I started learning LEGO robotics, I took a lot of time and searching till I become a programmer and joined FLL competition for the first time but was unlucky because I haven't any expert, but I didn't got dispirited and I kept trying till I joined another competition and I got the second place on my country.

I also interested in science field and I got the first place on my category and I represent Egypt in Belgium.

I may face some difficulties and fail but with my insistency on trying and success I found it eacier.

I hope to continue my success to get the scholarship in chemistry.

My school name is **SSSPC** (STEM Suez School For Petrochemicals).

Learning in my school is based onprojects & STEM methodology.

It's normal that we study hard and do best to get high marks but what will happen if we enjoy our time and also get the same high marks?

So, I joined robotics activity and started learning it. This activity not only provides us with knowledge in mathematics and mechanics but also makes us happy when I work with my colleagues as a team and we can consider that robotics activity is the practical application of STEM methodology.

Every summer holiday, my school starts training on VEX robotics activity.
This training includes programming and mechanics courses.

I started the programming training and our trainers were my school mates who Have more experience than me.

The training took about 2 month (50 hours) and the number of male participants were more than female participants so my chance in participating in the robotics school team was weak.

This is not only because the number of male participants were more than the number of female participants, but also there is some persons have more experience than me.

By the way I have an experience in programming but in LEGO robotics which is another robotics competition and there is a difference between LEGO AND VEX ROBOTICS, but believe that everything becomes easier by practicing .

At the end of the training, the school made a test for choosing the qualified students who will participate in the final robotics team and surprisingly I passed this test and became one of two girls who joined the final robotics team.

finally, it became a start of a new success I want to do it in VEX ......

The first day, we didn't choose the members of the team yet so it will be a good thing to be in a team who have an old experience in VEX but after the team has been choosen I found my self in a team who haven't any experience in VEX and all of them was in the eleven grade and I was in the twelve grade so I'm older than them, but maybe a lot of obstacles will be a reason of success.

My first impression of the team was not good:

Mahmoud: a funny person who I had cooperated with him before I expect a good work from him and his mission was the mechanics.

Adhm: a calm good person, his mission was programming. I don't think that he will be a good leader.

Rokia: her mission was the mechanics she is a very shy person and she don't speak a lot

Omar: I noticed that he is a serious person I can't guess his efficiency in work and his mission was the mechanics.

These impressions made me in worst case. I thought that the team will be my responsibility or they will work together and I will not work with them.

The first workday, we started our first work day with a lot of energy to work.

We started by determining the number of points that we can achieve in a certain time with a simple design because we don't have a lots of parts

Every one had ideas but our ideas were different we had good ideas but the difference made us in worst case.

Work

We just needed to understand each other. so we found a solution. Every one of us said his idea and we took the similar of them and made a vote for the different ideas. It became more easier for us to choose the good ideas .

We started working on the robot mechanisms, calculating the gear ratio and the appropriate speed for the determined time.

The mechanics members started building the robot based on the simulation that they made it on inventor.

I started to disassemble what they built.

it was funny for me but disturbing them but I wanted to know what are they doing but when we started losing our time they decided to share their ideas in the robot mechanics with me.

The work continued on this pattern. there was a noticeable advancement in experiences collecting also me.

I have got some experience in programing by writing different cods in programing and appling them on all kinds of sensors.

I didn't learn programming only but also mechanics and I became professional in disassemble the robot. It a funny thing to make them angry hahaha ^_^.

My vex family:

VEX wasn't a Competitive competition for me. **All** the teams worked together in a **collaborator** way. the training place became like a **family** gathering place (**VEX** family) we work, have fun, eat and **spend** good time **together** beside learning. **working** in VEX didn't relate on the vex robotics **competition** only. we started to use **VEX** in our *Sciences* projects too....

By speaking about VEX we must say that the most important person in the team was the team supervisor.

She was always pushing us forward.

supervisor

My first impressions wasn't good but after a while it's changed:

Adham : great at steering with the joystick but he refuses to share the joy stick with team members but with my instance to use the joystick he is now satisfied it's normal to share everything in the work.

Rokia : I spend much time talking with her . I think she is still shy with us but I made her share with us her opinion.

Omar : he is commanding person . he likes dividing the work on the team members but he misses the humor soul because we shouldn't be so serious at the work . humor soul is required to enjoy working . I think he doesn't get angry from us for having fun while working.

Mahmoud : he has great ideas but his opinion is not debatable . In the beginning he gets angry when we discuss but now he is telling us his opinion and discuss it.

And improving myself maybe this much better than expernce all what we need is a good way to understand each other and control this excitement to a good target and now the team completes each other.

Maybe my story hasn't end but I created a good way to understanding each other maybe if we kept working and learning that way we will make a great success in VEX in a short time and I don't mean by success the success in VEX competition.

Any way we had a lot of good things like a good family , good friends and good team.

Thanks for your time

THE END

The Name Of Story: Butterfly

Team Name: ROBOTECH Team

Team Number: 98472A

We thank Misr Elkher foundation for supporting us.

The persons who helped us:

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