

# Chess Girls



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# ABSTRACT

- We are the chess girls. In our story, each of us will explain the problems and obstacles that we faced, and how we overcome them to achieve our goals.
- We also created a (Girl is Life) initiative, which included:
  - 1- Helping girls to learn robotics without facing problems like us.
  - 2- Benefiting them from our experiences.
  - 3- Explaining how we got the king in the opponent's team (The Black Team: Robots, Especially VEX Robots).



# Introduction

Before the **sixteenth century** AD, pieces were identified in China, Russia, India, Central Asia, Pakistan and other places often **resembling** a dice made of 64 war squares! Often we learned about what we are talking about, a **long time ago**, and they define the game as if they **determine** the girls and their fate, and we are the closest **five girls** to this Game.



Which is the **game of chess** because it resembles us in terms of the problems that we encounter in society and the field of **Robots** and the **problems** that we faced because of the customs and traditions that concern the family and **society**. This **game embodies** our personalities and our problems.

**Come with us** until we show you our story and how did we face the problems? We are chess girls, numbering **five girls**.







- 1- **Rowan** plays the pawn role, and she's 18 years old.
- 2- **Moroj** plays the rook role, and she's 16 years old.
- 3- **Norhan** plays the queen role, and she's 17 years old.
- 4- **Semah** plays the bishop role, and she's 16 years old.
- 5- **Jehad** plays the knight role, and she's 14 years old.

Let us start our war with our problems,  
which bind us in the (customs and  
traditions of our war).

Two teams: We are the **white team**, the  
**black** team contains: Embody customs,  
traditions and our **problems**.





## The beginning of the war:

This **war** means a lot  
To me, So I hastened  
to **move forward** two  
steps, while the biggest  
problems came in one  
step (Which is **returning**  
Home Late and working  
For long hours)  
So, I did not attend VEX Training.



*Rorwan*







But I did not **give up** so, I took online Vex training on the internet from home. And I **decided to sit** With my family to convince them to attend the training again and complete the **work in robotics**.

Then, I attended more than robotics **training**, After that I entered robotics Exam in my school, I get **high marks** and I participated at many robotics **Competitions**.





I moved the **knight** to solve my problem, which is (The fear of **dealing with boys**).  
**In the team**, and I made enjoyable activities for my team at the Break time.  
The **Activity** is: (Bowl filled With water, then someone asked some questions).



*Lihad*





And who answered wrong, put his face in the bowl, in This activity, we know each other more, and talking with the **boys** of the team **became easy** for all of us.

And when I **moved**, I faced a big problem, which is the restriction. Places used to impose specific places to meet with the team, which is the school. When we were gathering outside the school, this was causing me a lot of **problems**.

I **solved** it by convincing my parents and their business partners to convince them of the girl's freedom of movement.





I represent a **bishop**, one day we won in local **competitions**, Then the coach said that we should prepare ourselves and prepare the robot to participate in the national Competition that will be held in 3 days. Although I won but, I was very sad because, I realize that I will **not be able to** participate in it because of the ignorant thinking.



*Semah*







I joined with **four girls** to solve our problems, I moved with the elephant, I stated to solve the **problem** by contacting with Jihad's parents and all team's parents to discuss with them about the information, benefits, skills and experience that we gain from the competitions and travelling.





I played the **rook**, I am a social person, and despite that I did nothing except excelling in studying, and **Semah** invited me to join the Girl is Life initiative. And from here was the beginning, I was thinking about designing, **Jehad** and **Semah**. They were building the robot, **Norhan** was responsible for programming, and **Rowan** was helping, preparing and discussing ideas with the team, and we **completed** the work of the robot completely, and then we got a very Good Idea.



*Moraj*





We **gathered** one day to discuss it in creating a more comprehensive **environment** that attracts students, so we decided to do the initiative.

When **I** moved, a **black pawn** moved in front of her, this represents a very big problem, which is the low view that girls face, as some of them are unable to perform work in the field of **science** and **engineering** because of the obstacles that they face in the field, which are **inappropriate working hours** and inflexible work schedules and sensitivity in the **workplace** when giving orders to men.





And **Bias** moved towards them in carrying out the tasks despite the **compatibility** of the **abilities** of girls and men, so I moved and decided to do something to **overcome** this view, so I gathered the team in the **school** to make a robot helps in preventing from **Coronavirus**, and we divided the roles on the team to suit each **personality**, passion and produce professional results.



*Norhan*







# Girl's life

**In the beginning**, the work was limited to members of our team, then we **decided** to inform our **work** and know the importance of the girl, and we started to introduce the initiative to our **friends**, but we did not see **any response**.



We found some students support us, some others mock us especially the **boys** who **thoughts** that we are less than them in thinking and luck.

Then, we started showing the robot that we made for **Coronavirus** in our school as a **project** done by girls.

At this time, They knew...

**!! What is the girl's strength!!**



We **succeeded** in changing some **ideas** of students like: (That **girls** are able to do any work with high quality).

This was the **war** that we fought in **VEX robotics**, and we decided to embody it in a chess game **because** it is very similar to **us**.





It was **one** of the best **experiences** that each **girl** in the team achieved, as it **taught** us a lot of **skills**.





# Skills Learnt

- 1- How to deal with different types of people.
- 2- How to solve the any problems we faced.
- 3- **Teamwork skills**: Working with a team is better than the individual work and produce better results.
- 4- How to work under pressure and finishing all the required work.
- 5- We learned the robotics field.

# Recommendations

- Conducting meetings for families to understand the importance of our field and what we will benefit from.
- Understanding the parents their daughter's passion and support them.
- Understanding boys the importance of girls and that girls not less than them in importance.
- Number of girls in all fields should be not less than 30%



- Make **specific times** for girls work and times for boys work, to take comfort in **working**.
- It was found that failure is a way to reach success, on our way to **achieve** our hopes, we found a group of people who value girls and their **ability** to do anything, achieve their **dreams** and support them in all ways, And the aid was not limited to girls or women. But, there are **also men** who valued girls and believed in them, as they provided us with everything we need from their expertise, such as **IEEE Suez Region E**.



# Conclusion

IEEE Region E made training before the competition, the number of girls was at least half of the attendance. Upon selection provided the opportunity for girls to participate and with full confidence in them. Then while working on VEX robot we faced Some problems, they used to kindly help us to solve the problems easily, and they used to raise our morale by telling us their stories and that they had failure stories that pushed them to success, and they developed our skills through Courses to increase our experience.

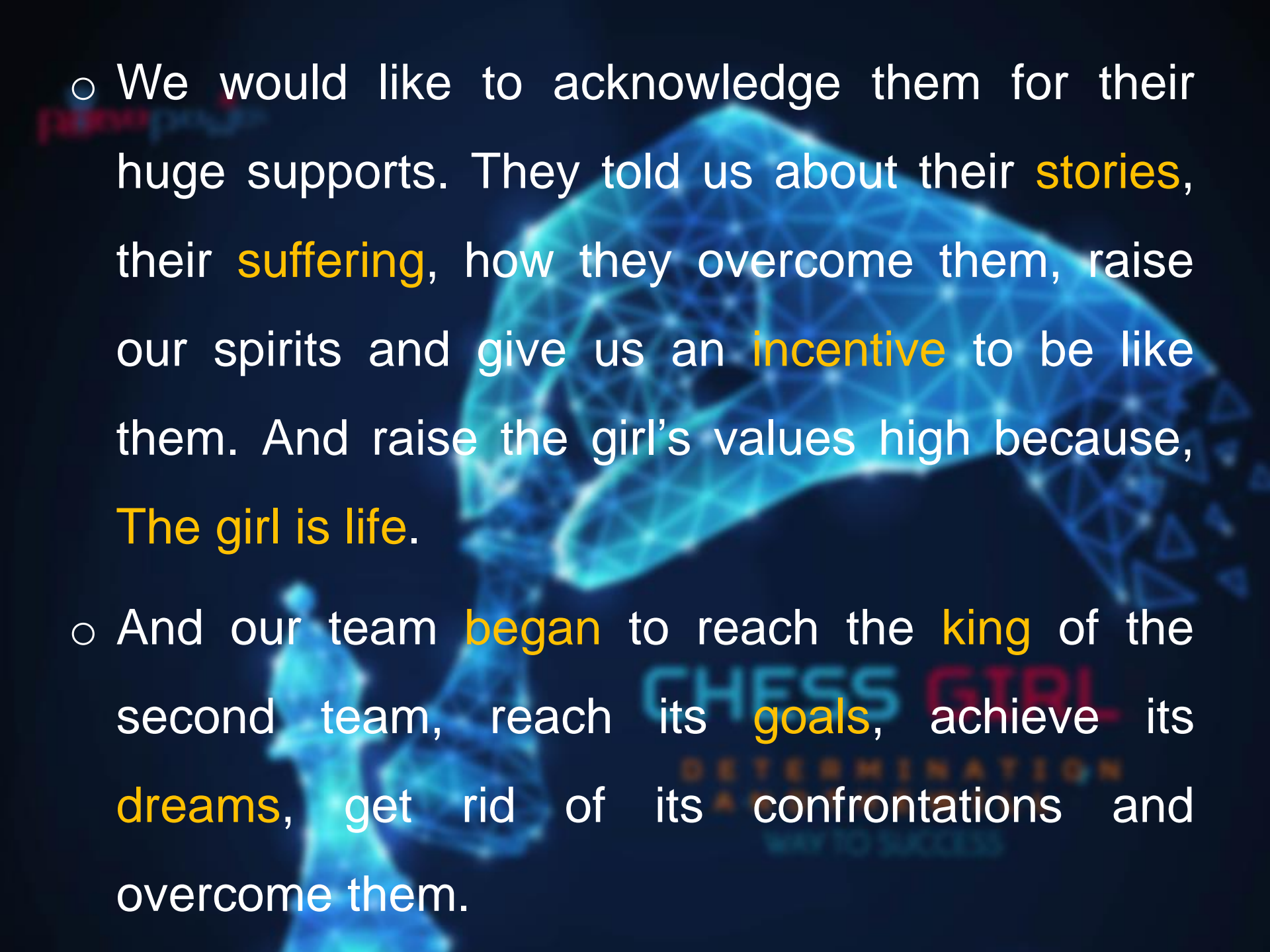






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A blue wireframe chess knight piece is positioned in the center-right of the frame. The background is dark blue with faint, glowing text. In the top left, "PAPER PROUD" is visible. In the bottom right, "CHESS GIRL" is written in large letters, with "DETERMINATION" and "WAY TO SUCCESS" below it. The main text of the slide is overlaid on the image.

○ We would like to acknowledge them for their huge supports. They told us about their **stories**, their **suffering**, how they overcome them, raise our spirits and give us an **incentive** to be like them. And raise the girl's values high because, **The girl is life.**

○ And our team **began** to reach the **king** of the second team, reach its **goals**, achieve its **dreams**, get rid of its confrontations and overcome them.



Thanks

CHESS GIRL

DETERMINATION  
AND THE WILL

WAY TO SUCCESS

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