



Girl⚡Powered

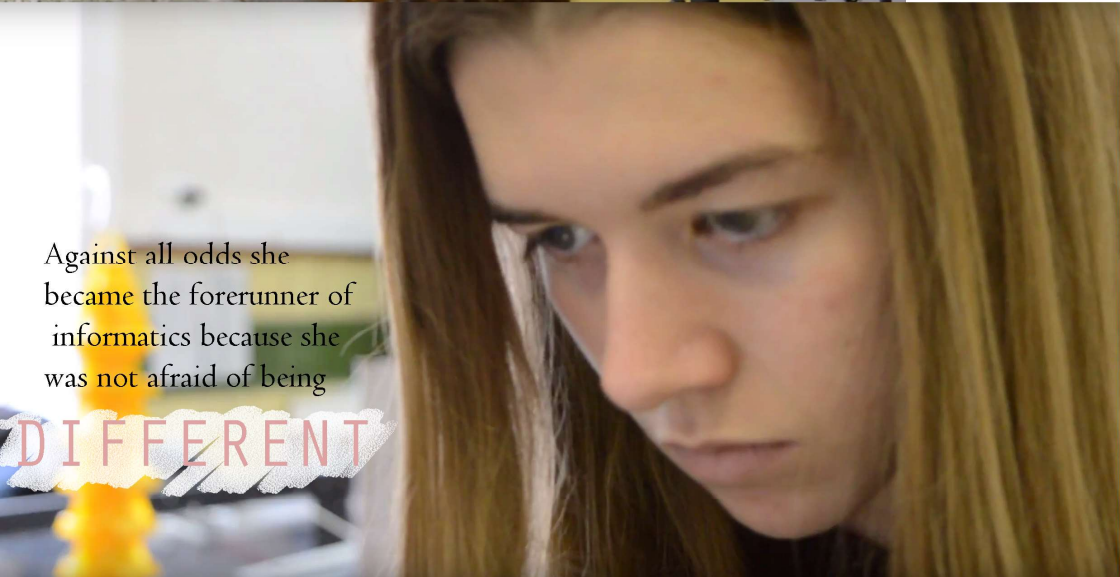
Hello, we want to introduce ourselves as equals, we're just a group of four girls who have found in robotics a whole new world to discover. Probably just like you did at some point when you were starting in this field. And we weren't afraid to board in, like no one should. We want to transmit the thrilling sensation of being able to build what started as a mere idea with your own hands, that moment when you realise that you're learning what moves the world nowadays, the sweet taste of success.

Here's our FANTASTIC story





What would be your reaction if I told you that it was a woman the one who created the first algorithm meant to be processed by a machine?



Against all odds she became the forerunner of informatics because she was not afraid of being

DIFFERENT

We are all different and each one of us can outstand in a different way.

Maleness is built into robotics.

Whether this is subconsciously or consciously is another matter, but what if a team was consisted of males, as well as

Women



"Women ought to be creators instead of users."

What new features and creativity could they bring, which the males aren't able to provide?

According to the Washington Post an alarming 95% of participants in robotics are men. There ought to be room and opportunity for women, too.

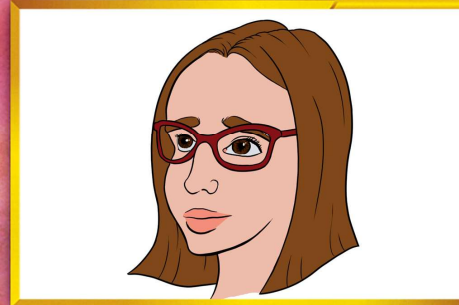
Someone has to be the first to change things and, fortunately, this change is in our hands. There are no horizons in the robotics world. There should be no boundaries on the grounds that while there's DIVERSITY, there's HOPE.

"Versatility is the key to today's world."



The Team

Anna Maria Garcia



Type: Programmer

Alias: The phone addict

Category: Earth

Superpower: Multisillyaddict

Defied enemies: Shyness

Life goals: Win the physics Nobel prize

She is the main programmer. She has an analytic mind that helps us maintain a good workflow. She also faces any throwback with a smile.

BASIC

Divya Casademunt



Type: Designer

Alias: The parrot

Category: Fire

Superpower: Invent memes

Defied enemies: Derivatives

Life goals: Become president of the EU Parlement

She is a 3D expert. Autodesk Inventor is like the extension of her arm. She has a strategical mind, especially when preparing the autonomous part. Furthermore, her versatility allows her to deal with any task that needs to be done.

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Montse Larqué



STAGE 2



Type: Artist

Alias: The mad

Category: Wind

Superpower: Scare people

Defied enemies: NETFLIX

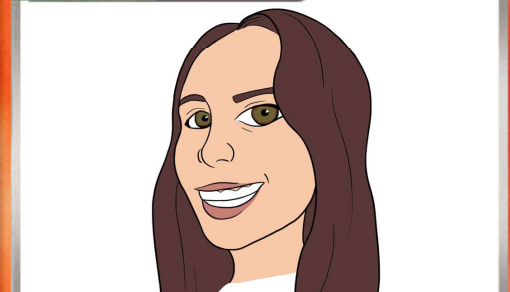
Life goals: To work for NASA

She is the artist of the group. She designs the team logo, the T-shirt stamps, and draws the robot structure. She has original solutions for the robot problems.

Júlia Gàrniz



LEVEL-UP



Type: Public relations assistant

Alias: The agile

Category: Water

Superpower: Sales hunter

Defied enemies: Fear to dogs

Life goals: Design the next Eiffel Tower

She uploads our progress to the social networks, looks for sponsors, and asks advice to people from all over the world.

weakness

Tickles

resistance

-60

retreat cost

★★★

The background of the image is a dense, overlapping pattern of yellow gears and a geometric, low-poly design. The gears are of various sizes and are arranged in a way that creates a sense of depth and movement. The geometric pattern consists of many small, irregular polygons in shades of yellow and orange, creating a textured, mosaic-like effect. The overall color palette is warm and monochromatic, dominated by yellows and oranges.

Our Story

GIRL
POWERED

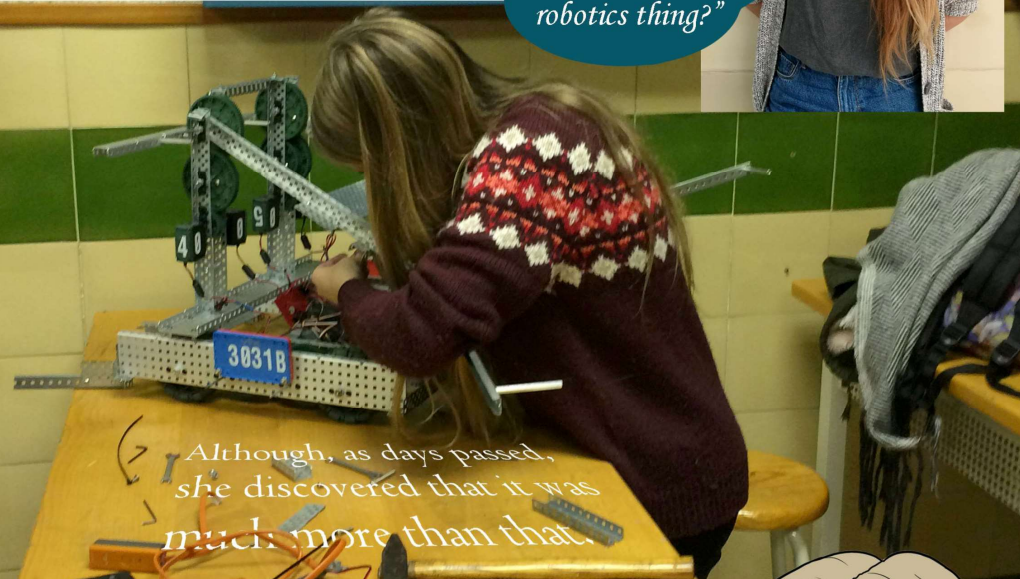
The Art

Montse was the one who started it all.

She entered this field last year,
through a school subject.
At first, she was just curious.



"What is this
robotics thing?"



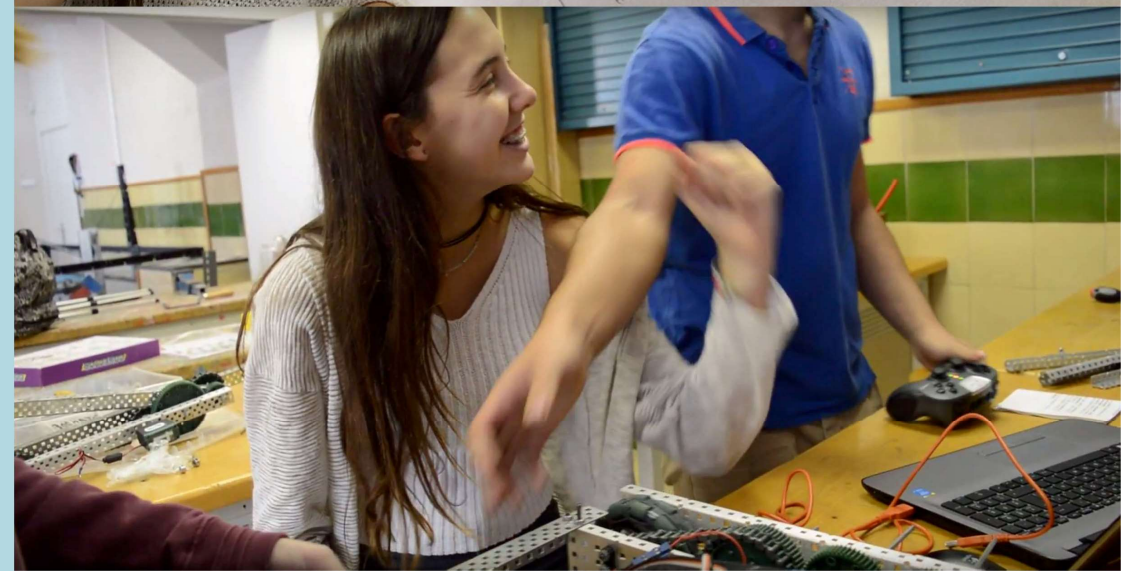
Although, as days passed,
she discovered that it was
much more than that.

On the first day when I entered the classroom,
it struck me that I was the only girl in the room
and I felt like I was a minority amongst all males.
But then I realised we were all starting from
zero, without any previous basis. It was a
daunting challenge for all of us.



A few days later, Júlia, who was embarrassed
of signing in to the subject, couldn't resist the
temptation any longer.

We noticed the **career avenues** that were
opened to us thanks to robotics, and we
became problem-solvers; we didn't
depend on a text book anymore.

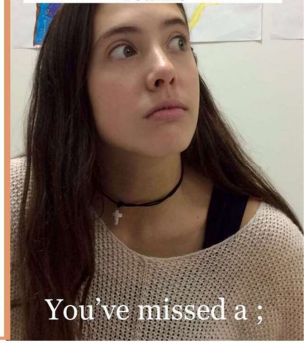


This new way of learning required a certain level of maturity, as we had to work based
on our previous decisions. And here is where boys needed our help.



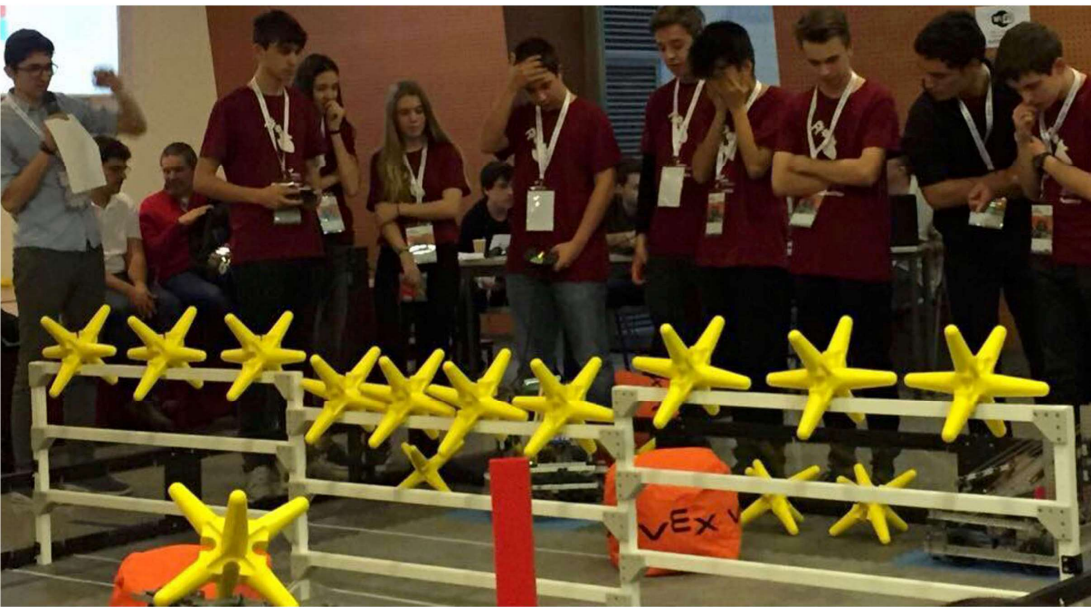
STEM means
cooperative and
dynamic work.
Creating with
your own hands.

That moment when you
realize



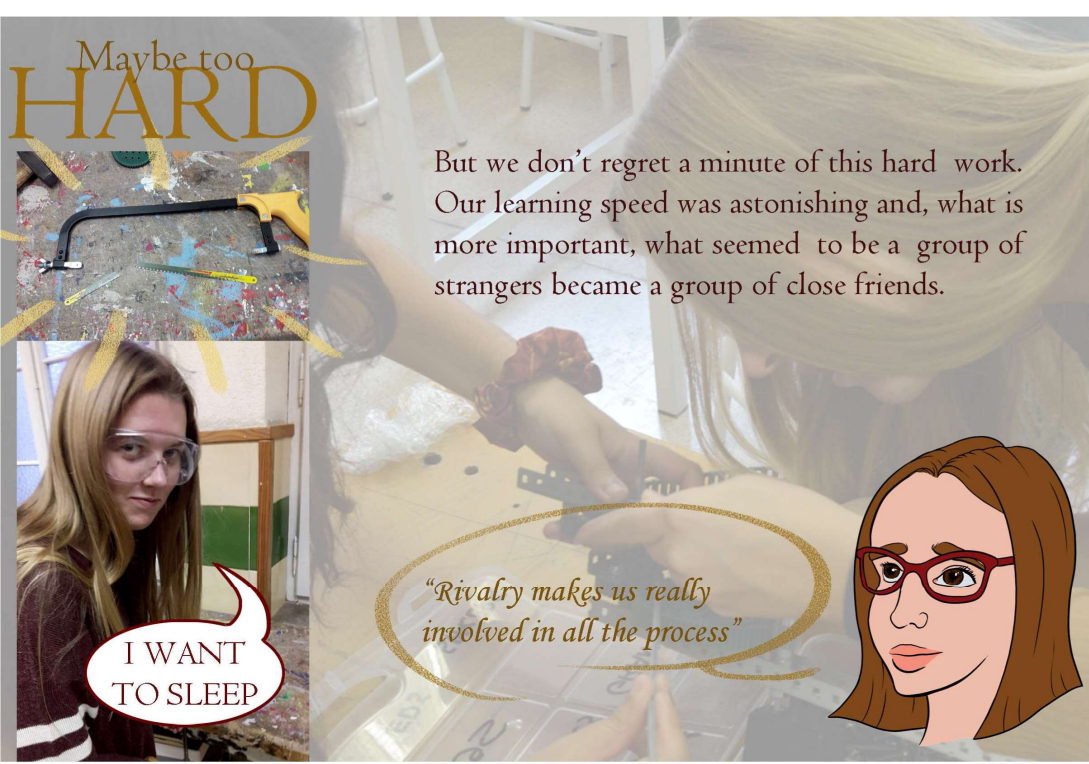
You've missed a ;

After the first qualifying round, we were devastated. Our robot wasn't neither strong, nor fast enough.



Even though, we kept on growing as engineers. Along with the boys, we made new assemblies, defined a more stable structure, put new encoders and increased our programming skills.

We spent weeks leaving school at 9:00pm. We even had lunch and dinner inside the workshop.
We worked hard.



But we don't regret a minute of this hard work. Our learning speed was astonishing and, what is more important, what seemed to be a group of strangers became a group of close friends.

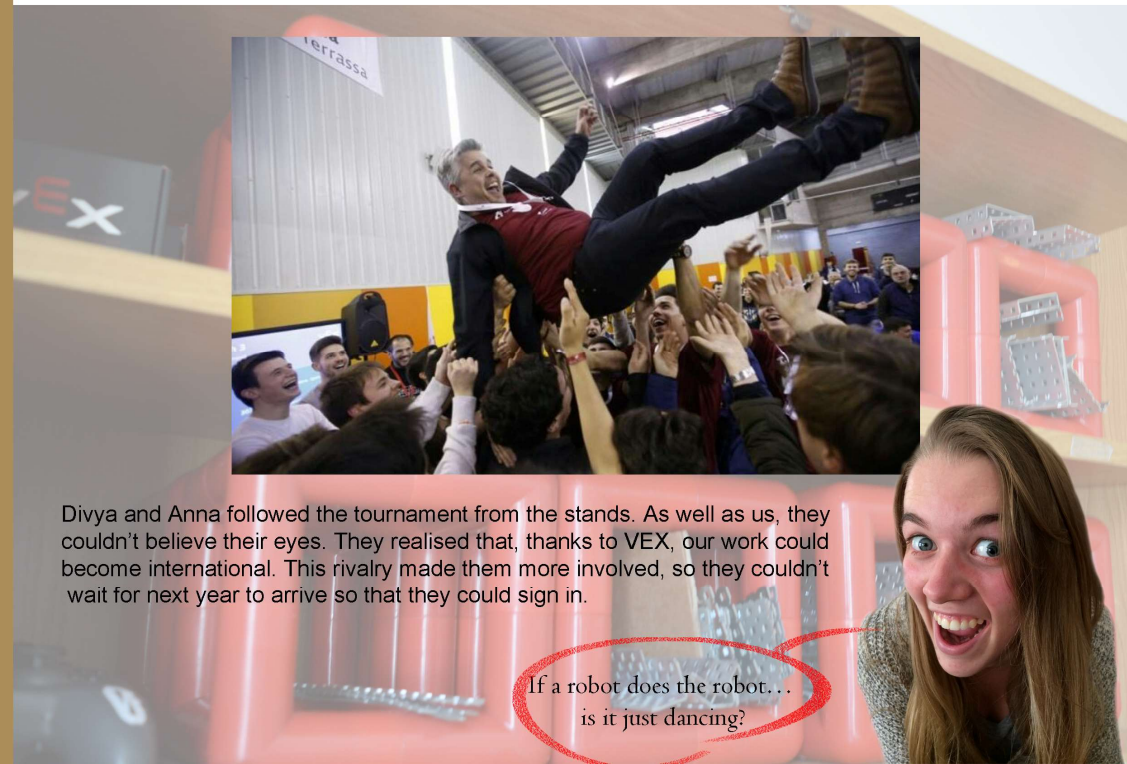
"Rivalry makes us really involved in all the process"

I WANT TO SLEEP

Finally, the day of the national final arrived. Honestly, we were terrified.
And you know what?



Although we didn't get the excellence prize that would allow us to go to Kentucky, we proved to ourselves that with enough motivation and hard work, nothing is impossible.



Divya and Anna followed the tournament from the stands. As well as us, they couldn't believe their eyes. They realised that, thanks to VEX, our work could become international. This rivalry made them more involved, so they couldn't wait for next year to arrive so that they could sign in.

If a robot does the robot...
is it just dancing?

GIRL POWERED

PRESENT

**WE WILL NEVER DREAM ABOUT
SUCCESS. WE WILL WORK FOR IT.**

VEDRUNA VALL BARCELONA



GIRL POWERED2018

THIS IS THE YEAR

THIS YEAR WE ARE
MORE DETERMINED TO
GO TO THE FINALS
THAN EVER.
WE ARE SENIORS
NOW!
THIS IS OUR LAST HIGH
SCHOOL YEAR.
OUR LAST
OPPORTUNITY TO
SUCCEED.



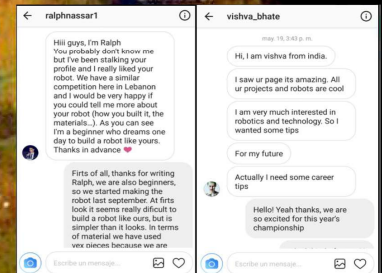
PROGRESS

WE TAUGHT DIVYA AND ANNA
EVERYTHING THEY NEED TO KNOW
ABOUT ROBOTICS AND NOW THEY
ARE A PERTINENT PART OF THE
TEAM. EACH ONE ADOPTED A ROLE
ADAPTED TO THEIR ABILITIES AND
SKILLS.



INTERACTION

THIS YEAR WE HAVE MANAGED
TO CONTACT WITH TEAMS FROM
ALL AROUND THE WORLD & ALSO.
WE HAVE BECOME POPULAR ON
OUR SOCIAL NETWORKS!



SUCCESS

AFTER A YEAR OF LEARNING,
WE ARE EXCITED TO SHOW
THE WORLD WHAT OUR
TEAMS ARE CAPABLE TO DO !



Now we are a family

“Vex means knowing that there’s world outside school.”



For us robotics is not only a school subject, for us robotics is a way of unplugging from school.

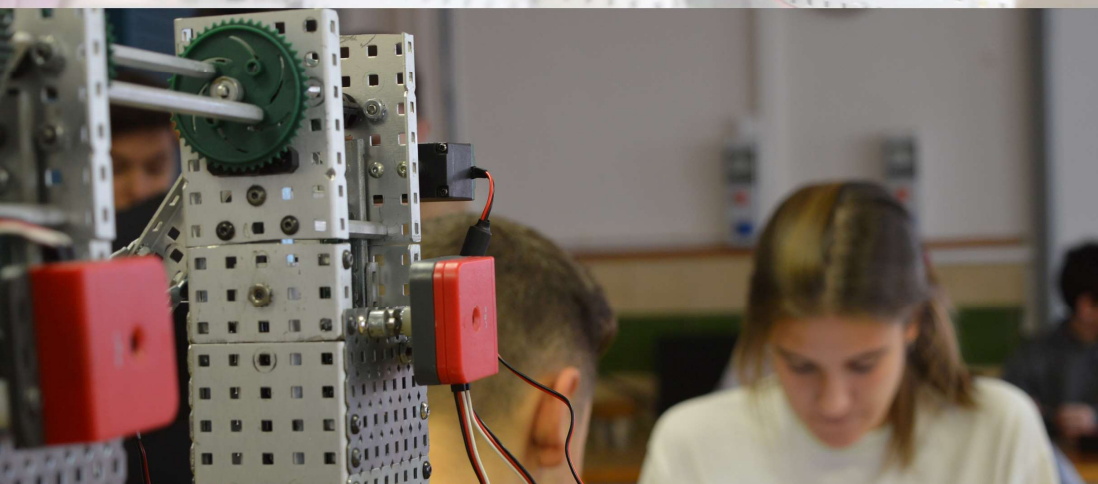
Sounds crazy, doesn't it? A school subject that helps you to distract yourself from school?

Yes, this is what robotics is about. When you spend about 6 to 8 hours at school taking boring and monotonous lessons you need to take a break. This break's called

ROBOTICS.



We are 6 girls in a 18-people classroom, we represent the 33% of this subject but our work can be reflected in the 100% of the robots. We are surrounded by boys most of the time. It's true. Nevertheless, it shouldn't, and it has never been a matter of gender, but of personal skills.



With determination, no one will never be able to take us down. A woman always needs to stand by herself and show the world what she dares to do. Men can dominate most of the technological kingdom, but women can rule too.

No matter how many drawbacks prevent us from succeeding. It only serves to make us more determined to achieve our final goal, which is not only being able to contest in this final; we are also looking forward to getting a good foothold on our way to bigger things and together we will be the first to **cross the gender barrier.**



"The gender gap is narrowed each year. We want it to disappear"



GIRL

The End

POWERED

VEDRUNA VALL BARCELONA

Special thanks to

Maikel Blanco
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VEX Robotics community

Júlia Gàmitz
Divya Casademunt
Anna Maria Garcia
Montse Larqué

By