



“Rookie Experiences”

# TIGRE ROBOTICS #6652



**“Effort and resources do not guarantee results, but great hearts and commitment ensure success”  
-TigreRobotics**

## **Hello Rookie Team**

We are the Team TigreRobotics 6652, a FIRST ROBOTICS COMPETITION team that was born in 2017 in Monterrey, Nuevo León, Mexico.

We are the first ones to represent the UANL (Autonomous University of Nuevo León) as a FIRST FRC team.

We are unique because even though the odds were one in a million, our hunger to make a change in our community, and to inspire others to make the impossible, possible; Made our dream come true and gave us the Engineering Inspiration Award in our participation in Laguna Regional, as a rookie team.

We take on our heart the impact that we had, not only on our team members, but on their families, and those surrounding us; And make them see that in our city we make dreams come true.

Being rookies allowed us to learn how wonderful the FIRST community is, not only by being supported by the Rookie Grant, but also, we were able to undertake a new adventure in a robotics competition. By being supported by this award we decided that it should not end there, and we should continue to support our community and in this way, inspire support for the spread of science and technology as FIRST inspired us.

Experiences we had as Rookies have been great that have allowed us to learn to support our community from the first day we decided to become a part of FIRST, to inspire the community through collective learning and the undertaking of solutions to problems in our community. FIRST taught us that we are a family, which has remained united from the first day of collaboration and exposure of ideas about our team. FIRST taught us that if you are looking to work alone you will arrive fast, but working as a team will make you go far.

Support a robotics team whose participants are young dreamers, leaders, inspired by continuous improvement, not only benefits the community, benefits the world, since when a young person is supported to realize their dreams, this focuses on supporting the Other young people to fulfill theirs, young people are the seed that will cultivate the future through inspiration to make this world a better place.

**“When you have a winning team, success is only a matter of time”**

Currently TigreRobotics has focused on supporting the community based on science and technology projects, as we understand that the world needs us and we are more than just a robotics team. The current social projects are shown below:

## “Brazos que cambian vidas”

TigreRobotics 6652 has the objective of granting free arm prostheses to all those who do not have the economic capacity to acquire one by their means, and also to enable the beneficiaries to know how they can use the prosthesis and maintain it in its performance Optimal at all times.

“Brazos que cambian vidas” is a project that allows us to give hope to the people who need it, babies, children, adults who do not have the opportunity to have the opportunity to feel calm, to do things as they used to.

We have decided to help, because we know that it is in the hands of any of us to make this world a better world.



## Free clases to Alfa Fundación

TigreRobotics is currently granting free classes to Alfa Centro1 Foundation and Centro3 to promote science and technology to children and young people because we know that children are the future of Mexico, and through scientific and technological education we will achieve great development in robotics in the coming years.



## Adoption of team Nautilus Soccer

TigreRobotics adopted team Nautilus, which consists of children with excellent school averages, who encourage science, robotics, and technology through sports. TigreRobotics and Nautilus delivered food to people in need in hospitals, in order to contribute another drop in the ocean for the community.

TigreRobotics and Nautilus went out to Fundidora industrial park with bluetooth-programmed robots working from a cell phone to give a show for people from all ages with Disney character robots in order to promote interest in robotics in the community, likewise transmitting a meaningful message about how we can change the world through robotics.



**“Remember that every professional was once a Rookie. Start dreaming now”**

### Lessons Learned by FIRST:

- **Teamwork will get you places:**

Teamwork is one of the most perfect tools in order to accomplish the team’s goals and organization, allowing the best way possible for ideas to flow. Trust is the most fundamental element in teamwork. It encourages a positive working environment where every participant knows each other’s abilities, understand their roles, and how to help each other.

- **Passion for robotics:**

To create a vision that make every one of us jump out of bed every morning to achieve our goals because the feeling of designing and seeing your robot run is so exciting that even our eyes shutting won’t keep us from chasing the goals our hearts dictate.

- **Perseverance:**

Inside every successful man, there is a child following his dreams. Fight for your dreams, create, innovate, but overall, put yourself out there and turn bad things into good things, and good into extraordinary.

- **Provide the community with just a bit of what God has given to us.**

Making a kid smile, giving people hope, realizing how much more you can make out of life, this is you starting to change the world. A lot of people will think “tough choice,” but I think every person lives in its own different world, when you help someone you’re also changing their whole world, and this person will change 10 whole other worlds, through smiles, support, and a hand to hold on to.

It is not impossible to change the world, and innovating an idea that is going to is not impossible either.

- **Undertake and innovate community support solutions**

Keeping a winning attitude and living to be better every day is an extremely important goal, because accepting that there are better options is the basis of continuous improvement and overall, the basis of excellence, so always share your ideas with your colleagues and together picture what the best option is.

**“Success is not a pattern to follow, but a path to be discovered”**

## Team Reflection

[TigreRobotics](#) is a team conformed completely by students inspired for the continuous improvement in the society, students willing to fight for their dreams, persons whose limits are undefined, because the team’s constant effort is so big, so big that it makes us stand up every morning, so we can achieve our dreams of being a help to our community, to make our parents and siblings proud, making the best.

We have realized different actions that allowed us to support our community, like our prosthetics, project that has allowed us to be a symbol of hope to people that need more, babies, kids, adults and everyone that does not have the possibility to get one opportunity to feel calm. We know that is in our hands to make this world a better place.

The team has realized different events which has allowed us to impact our educative institutions by encouraging the application of science and technology, events like

giving robotics courses in which a large number of participants felt inspired and united each other to this change and encourage robotics in our country. We take a children soccer team this encourages robotics, this is a big pride to all the team, because the next generation will make this world a great place to live in, we have interacted with them, and we learn that a children's dreams never are impossible, we gave food in some hospitals with them; showing that things you make with your heart are the ones that counts; being every time more people interested on remembering everything the life has teach us and sharing those teachings with others.

The TigreRobotics team has supported different robotics teams by giving free classes in different middle schools thanks to Alfa Fundación, a school which gathers all the talented students in public schools with families without economic facilities for studying; we have also have helped high schools of the Universidad Autonoma de Nuevo León with SolidWorks and LabVIEW courses to help students so they can have a better performance in their robotics tournaments. We have also supported the student community by explaining them the study program from ours engineering career to motivate them, so they can continue in this journey because everybody is a hero without a cap improving for the future, because ours only super power is that we can change the world.

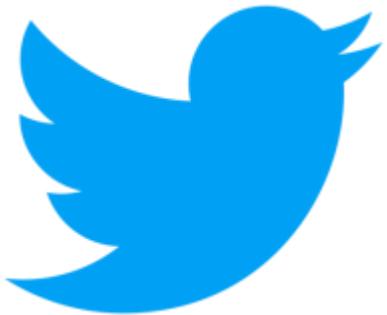
When the sun starts to go down and we start losing our energy, our eyelids start to close but we never lose our dreams. When the night settles down we keep standing forward, when the sun goes up we prepare so we can outstand, so we can listen to the claps of our people, so we can keep pushing forward without stopping nor minimizing our effort to keep fighting for you, for us and for everybody. Sometimes we lose our minds, but our goals are always stablished in our hearts.

**“Talent can win games, but a hard-working team can win championships.”**

**Thanks to all of you.**



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Feel free to contact us for any doubt you may have.