

We started this journey in 2015 with 18 students and one mentor at Sainte Pulchérie High School. Back then we were all full of hopes, dreams and to this day we have never lost that spirit. We are now a team with 60 students, 23 boys and 37 girls, and 2 mentors. All of us are connected together by the force. The force that inspires many others and is now making us help everyone in our community for a better future in STEM fields. This strong force that is now creating a chain reaction in all over the world can only be the love for robotics.

Our team consists of 5 main divisions; Mechanics, Sponsorship, Public Relations, Safety and Design. We assign a captain to all these divisions and they are responsible of the work in it. At the start of every school year we scout for members and they choose what suits them the most out of these divisions. Our work ethics are simple but efficient. We use an app called Trello to keep track of all the things we do and all of our team members have it on their phones so they can see every advancement we make in our projects. We also made all of our members sign a contract to assure that everyone has something to work on and we created a manual just for the rules in our team to make sure nothing stays unclear.

As 5665, it is one of our top priorities to spread the innovative ideas of robotics first of all in our country and then spread out to the world as we progressed. We still have a long way to go but we were able to complete a couple milestones this year. SPARC is a very socially active team. We are always active on our Twitter, Facebook and Instagram accounts where we have approximately 200 views per post and last year we have started using a Youtube account as well. We have posted videos about technological innovations and we reached more than 1700 people.. We are proud to announce that as the season continues we'll be uploading more regularly on Youtube to be able to reach out to more people. Speaking on the topic of reaching out; we have reached approximately 1 million people with local, national and private newspapers. We have been the headline of an article in a local newspaper called "Posta". We have also given an interview on a local radio channel. Likewise, one of our members have given out a ted talk in tedx about robotics, FIRST and the projects that we did as a team. You can find any type of information about us on our website where we even have our teams' manuals. For people to learn more about our team we have started a book project where we have started writing a book about our team. We plan on officially releasing this book next year.

Throughout the years, we have started and mentored many teams. These teams include team 7134, team 6989, team 6416, team 7140, team 7552 and Canakkale Bahcesehir Collage for the FRC teams; Mev FLL, Leg goth FLL, Sainte Pulcherie FLL, Istek Schools FLL, Kaiser FLL and Zapyon Middle school FLL for the FLL teams; Team 14350 and Team 14378 for the FTC teams. Aside from these team we've also mentored team 6985, team 6014, team 8159 and team 7544. For the teams that we have assisted, we've assisted team 1660, team 6415, team 8159, team 7611, team 6416, team 4972, team 7544, team 8181, team 6064 and team 6436. Next season, we will start a team in Macedonia and also a team in Zapyon greek high school in the next season. We also have a project which we are talking about with big sponsors to be able to make. We've thought of making a sustainable frc program.

We ran many events and conferences in the last 2 years. Our mentor and our team gave aspiring mentors and students FLL educations in Izmir. We also gave a seminar about mechanics and electronics to 7134 in Aydın. We presented our team to a big audience especially in the facilities of TAYSAD, where we also got to gain scholarship from. We also have hosted and ran our first Maker Faire on May 13th 2017 and we are planning to host one this year as well. SPMakers is an event where creativity, craftsmanship and invitation are celebrated. It aims to influence everyone who are interested technology and we hope to give a different perspective of STEM education. We are also very proud to say that we have hosted and ran the first Vex workshop ever in Turkey. We did this workshop alongside our MakerFaire. With this we have reached about 2000 people. We have assisted lelev for one of their annual Maker Faires as well. 10 members from our team has volunteered for and

assisted the Ubitech robotics competition and 2 of our members have been placed in the 3rd place in the Robotex competition and will be going to China for the finals. We hosted and ran a conference to further discuss STEAM ( while including arts this time) with the audience in Bahçeşehir University. We also ran and hosted an event with 25 children and we taught them the basics of Arduino for 6 hours.

We gave many STEM education across the country mostly the places with less access to good education. Our members have went to those places to give them hands-on education with robots. We gave these educations in Hatay, Izmir, Gaziantep, Balıkesir, Izmit and about 300 people have attended in total. We also opened STEM centers in Payas and Çankırı. Ever since we've noticed that changing a country's conception of the world depends on changing the education system, we have been trying to do our best by spreading the message of FIRST. Turkey has a rote-learning based education system which has a bad impact on students. By aiming to change the system, our goal is to create a better one which can allow students to discover their potential on maths, science and logic-based activities and according to that at our STEM centers we train at least 1200 students every month. We are consistently providing materials and supplies to these centers.

We think that disability shouldn't get in the way of our dreams. Therefore as SPARC we tried to get rid of all those obstacles. To help people with autism, we gave STEM education to kids with autism. We also did a conference on the international day of disabled persons for people who are deaf. We also tried to make life easier for people who are blind. We've written our safety manuals in braille and we've also turned both our safety and team manuals into recordings. We think that these will help clear out many obstacles for disabled people.

Innovative projects have always been a matter of interest for us in 5665. We've always thought that creating something of our own to support our community and the world around us is something important for any robotics team to do. We have designed what we call optical-acoustic glasses. These glasses help hearing impaired individuals .Thanks to its optical-acoustic properties, the glass warns the owner about the direction and intensity of surrounding sounds such as voices and warning signals. Hereby the individual can determine the source and intensity of a sound and turn to whoever is addressing to him. We have also designed a space on the pit area for people in wheelchairs where they can get involved more with robotics since we think that disabilities shouldn't get in the way. We called this "SmartLab". For kids who are on the way of learning coding, we have made an app called SCODE. This app helps kids learn coding in a more fun way than usual. This has been a success and the app was downloaded more than 50.000 times. We didn't only make projects for specific groups of people. We've also created a website which everyone who is in a FRC team can enjoy. On this website team members are able to trade different parts of the robot with other teams' members. We'll be releasing the website next year.

We have made many projects to help the people in need. One of these projects was even international. We helped renovate a village in Africa collaborating with Idea Universal Foundation. Since it is pretty hard to find electricity in Africa we have decided to donate solar batteries. To fund these solar batteries, we made a raffle in our school. In the end we were able to raise 1500 dollars. Some of the funding also came from our weekly food sale that we do in our school. We also did a presentation to Zapyon high school where we talked about this project and FIRST itself. The other projects was to help the internal problems in our country. For the past 3 years we have been doing a very special project every Teachers' Day in Turkey. To celebrate this day we have been funding the education of two girls in Anatolia each year. We do this project by collaborating with our school. A project similar to this is our library project that we do. Every year in our National Republic's day, we have been collecting books in our school from every class. By doing this we are able to give away thousands of books and build a library for those who are in need.

We have made a lot throughout these years and we still have a long way to go. We all have different pasts, different dreams and different interests but they come together here at this place trying to achieve a single great goal, a force that connects them all; FIRST Robotics Competition.

May the FIRST be with you.

## GİRİŞ (nasıl kurulduk emotional stuff kız erkek sayısı)

### ilk paragraf

- takımı nasıl bölümlere ayırdığımız
- takım üyelerinin uyması gereken kurallar üzerine manuel
- trello being systematic
- bunu göstermek için ne kadar uğraştığımız

### ikinci paragraf

- sosyal medyada ne kadar aktif olduğumuz (first ve robotiği yayma)
- youtube kanalı
- gazetede çıkma posta
- websitemiz
- websitemizde tüm manellerimiz bulunuyor
- trt günebakan
- tedx
- kitap projesi

### üçüncü paragrafta

- FRC
- FLL and FTC
- mentörlük ettiğimiz FRC FLL
- assist ettiğimiz FRC FLL
- sustainable frc programı

### dördüncü paragrafta

- izmir robotik sunumu
- aydın roctopus seminer
- taysad
- maker faire
- ielev maker faire
- robotex ubitech
- bahçeşehir üniversitesinde stem eğitimi konferansı

#### beşinci paragraf

##### - stem eğitimi

- STEM trainings we gave in Hatay, Izmir, Gaziantep, Balıkesir, Izmit and STEM centers we opened in Payas and Çankırı. Ever since we've noticed that changing a country's conception of the world depends on changing the education system, we have been trying to do our best by spreading the message of FIRST. Turkey has a rote-learning based education system which has a bad impact on students. By aiming to change the system, our goal is to create a better one which can allow students to discover their potential on maths, science and logic-based activities and according to that we've trained more than 200 students and at our STEM centers we train at least 1200 students every month.

##### - arduino eğitim

#### altıncı paragraf

##### - otizmli çocuklar için stem eğitimi

##### - işitme engelliler için konferans (yüzümle mutluyum derneği)

##### - safety manuals braille alfabet

##### - team manual and safety manual recording

#### yedinci paragraf

##### - optik akustik gözlük

##### - smartLab

##### - scode

##### - website

#### sekizinci paragraf

##### - aydın zihinler kucak dolusu kitap

##### - I have a daughter in anatolia

##### - afrika projesi

##### - çekiliş

##### - zapyon afrika sunumu

#### Çıkış paragraf