

SPARC Team Manual



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Introduction:

Team Mission:

While everyone was busy dreaming about going to the Moon, Neil Armstrong chased after his dreams, making him the first man to ever set foot there. Just like Armstrong, we weren't satisfied with "dreaming"; instead, we went out into the world in the hopes of making a difference.

Our foremost principle is not to improve solely within ourselves, but to bring people up with us while improving. That is why it doesn't suffice to share our projects in Turkey; we choose to carry the light of science out into any dark alleyway, while also chanting from the top of our lungs that being an 'Armstrong' isn't in fact that hard.

Hence, we take any measure necessary like building science, engineering and technology to inspire innovation while nourishing crucial skills like curiosity, creativity, risk taking, openness, perseverance, leadership, and self-confidence.

Our main ideals are;

- Creating projects in our team in technological and scientific areas, especially robotics.
- Exhibiting our robots and projects in national and international competitions.
- Representing our country and schools in the best way possible.
- Giving high school students ideas about their future by introducing them to engineering.

Our Foundation Principles:

- Organization
- Participation
- Inspiration
- Productivity
- Respect
- Hard-working
- Integrity
- Creativity
- Determination

Team History:

Team 5665 (a.k.a SPARC) is the team of Sainte Pulchérie French High School and was established in 2015 with the contributions of Fikret Yuksel Foundation located in Istanbul, Turkey. We have been participating in FRC since 2015. Having started off solely with 18 students and 1 mentor in the same year, we have successfully expanded our team owing to the welcoming and accepting standpoint on science and technology here in Turkey. With this rather colossal progress, we have admitted students from all over our country and last year, we reached 55 students and 7 mentors. As a result, SPARC has claimed its well-deserved title of having the most number of students among all Turkish FRC teams. We also presented the FRC to them and helped them by all means to create and manage their own teams. As a consequence of the competitions being held in the U.S., just like any other foreign team, we too have had numerous amounts of problems concerning the transport, the accommodation, the fund and even all at the same time. However, we have learnt over time how to properly plan out our funds which, now and again, has been insufficient. There has also been several times where we have had to contribute to our goal by spending our ever so loved pocket money. Currently, our team consists of 26 students and 1 mentor. By learning how to think as one and finding solutions to problems which would otherwise derail people's daily lives, we believe that we are getting closer to our goal every passing day: Developing robots in the finest way possible.



Team Facts:

- Approximately 100 accounts view every single one of our Instagram posts.
- We have been addressing to 70 million people via TV programs and radio programs.
- We have reached approximately 1 million people with local, national and private newspapers.
- We have reached 4500 people by our community involvement projects.
- Number of community involvement projects we complete exceed 20 per year, introducing more than a thousand children with STEM.
- Our fundraising team introduced FIRST and SPARC to more than 50 major companies and start-ups.

Projects:

Introducing/Establishing FRC and FLL:

To spread the Maker movement and increase the attention given to STEM education, we've been hosting Makerfaires Lycee Sainte Pulcherie where we also have FRC and FLL workshops. We also organized Edtechist where there were multiple workshops to help teachers use technology in their classes. We introduced many organizations to FIRST and started many teams. Either by giving presentations or organizing workshops in schools. Some of these schools and teams are;

- Team 7134 – rOctopus
- Team 6989 – KAISER
- Team 6416 – Mev Makers
- Team 7140 – Oksef Robotics
- Ankara Sınav Koleji
- Aydın Municipity of Education FRC team
- Mugla Yönelit Koleji
- Sainte Pulcherie FLL team
- Hüseyin Avni Sözen FLL team
- Italian Highschool FLL team

In order to introduce FRC and raise awareness to technology and robotics, we shared our robot with our mates in ceremonies. After this introduction, we saw that we actually managed our purpose because people started to use the robot in their projects and assignments!

Community Impact Projects:

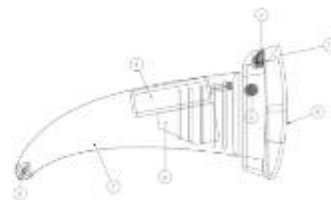
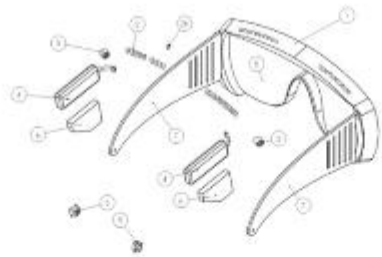
STEM CENTERS	THE EDUCATIONS AND DONATIONS	NUMBER OF STUDENTS
Çankırı	<ul style="list-style-type: none"> • 8 Mindstorm kits • 8 VEX kits • 30 Arduino kits 	750 students per month
Payas (Hatay)	<ul style="list-style-type: none"> • 20 VEX IQ kits • 60 VEX kits 	1250 students per season (a season is 3 months)
İzmir (Denge Schools)	<ul style="list-style-type: none"> • VEX and VEX IQ education 	15 students
Gaziantep (DEVA Schools)	<ul style="list-style-type: none"> • VEX education 	50 students
Balıkesir	<ul style="list-style-type: none"> • building STEM Center • 8 Mindstorm kits • 12 VEX IQ kits 	33 students
Trabzon	<ul style="list-style-type: none"> • Mindstorm education • VEX education • FRC education 	42 students

As team 5665 we signed a big development in our school via changing community project's curriculum. Before us, community impact projects were continuing with a stable programme. However, we decided to add STEM subjects to each of them. Now, nearly in all community impact projects, we have technology subjects for different groups of age. We have made 3 STEM Center projects; Çankırı STEM, Balıkesir STEM and Payas STEM. We have worked with children with leukemia in Çankırı STEM center. In both STEM Centers we taught MindStorm coding and making FLL robots, plus we gave basic Arduino training and Fisher Robotics training. We build robotic labrotory for 2 public schools in Kocaeli. This year we are we are building a robotics labrotory for physical disabled individuals.



Optical-Acoustic Glass:

In this project; we introduce an “optical-acoustic glasses” we designed to ease the life of visually impaired individuals whenever they would be independent in a location. It has been designed for the hearing impaired to wear it in any environment without any aesthetical worry. 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. With the use of the “optical-acoustic glasses” it was intended to ease the hearing impaired person’s communication and grant him awareness of the difficulties he might encounter in internal and external environment.



SP Makers:

SP Maker Faire is a festival where creativity, craftsmanship and inventions are celebrated. It is aimed for everyone who loves technology, is devoted to teach others or loves to create things. It is where every maker shares and learns from others, regardless of their age or skills. As SPARC, we organized this event and share our previous experiences to more than 60 schools. As we tried to introduce FRC to our friends, we also learned a lot from them. With SP Makers and other schools, we gave many different workshops to students who would like to learn more about Arduino, FLL, VEX, Fisher Robotics and much more. We tried to provide hand-on experiences for our friends as much as we can.



SCODE:

We created an application called "SCODE" for little kids especially for the ones that participate FLL or Jr.FLL. It's a simple app which provides learning simple coding to kids by having fun. The Application has various spectrum of topics as space, animals, clothing and such. It has over 50.000 downloads in Google Play.





Events and Awards:

2015 Central Illinois Regional

- Rookie Inspiration Award

2016 South Florida Regional

2016 Turkish Offseason Semifinals

- Entrepreneurship Award
- 5000\$ Grant Award

2017 Orange County Regional

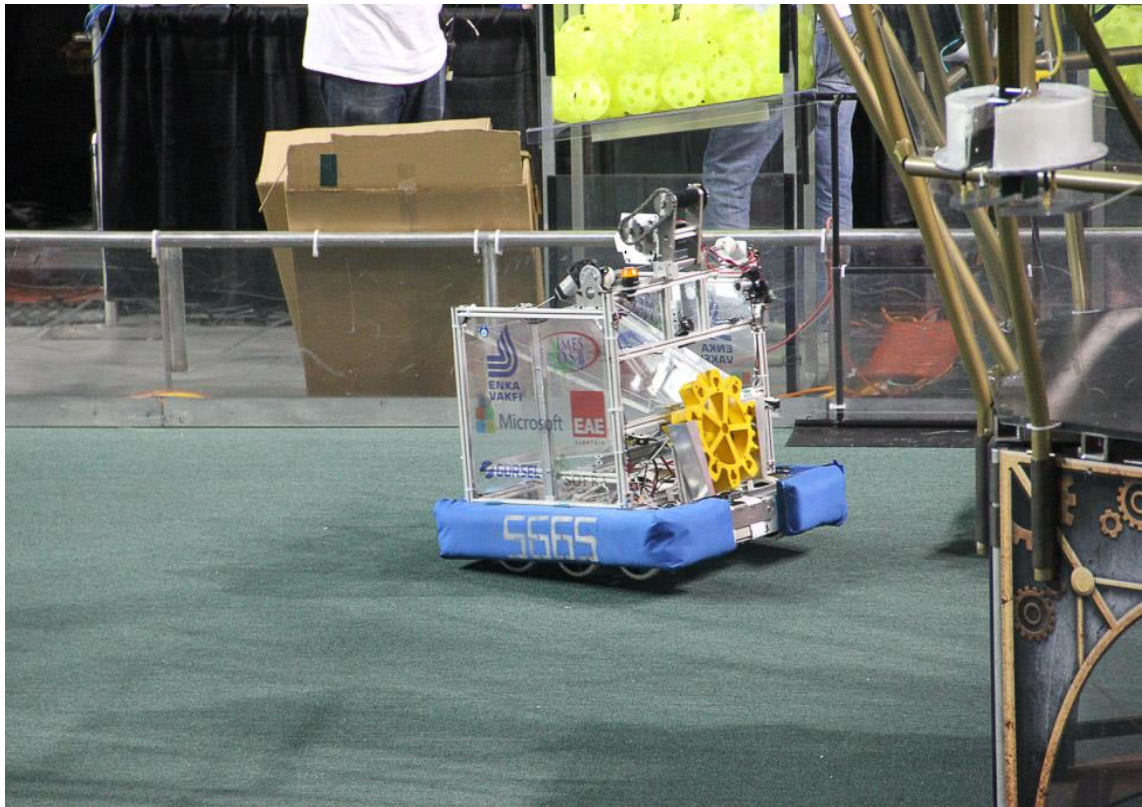
- Judge's Award
- Dean's List Award

2017 Turkish Offseason











Future Purposes:

Our future plans as SPARC are to reach even more students all over Turkey and inspire them to dive into the world of science and engineering. We wish to accomplish this by the help of the extremely positive and motivating comebacks from our recent projects. Therefore, we carried our knowledge to just about any city that would receive it: Kayseri, Mugla, Manisa, Gaziantep, Bursa, Antalya and Ankara.

In the near future, we are planning to acquaint Syrian refugee children with STEM with the generous help of our sponsors. Furthermore, we want to continue installing and building workshops, libraries, etc. for our sister schools who are in need of the mentioned things. In addition, we would really like to organize yet another MakerFaire and improve it by all means. We also think about a special education seminar on FRC, FLL and VEX that includes workshops. This could be of great use among several Turkish schools too.

In the long run, our plans are to help create even more robotics teams, especially in France and Spain where we would get the support of our sister schools and spread FIRST in Europe in an efficient way. So, we make great efforts to join in a contract with expected sponsors and to ensure our current sponsors by showing them our strong desire to develop technology and science with the help of our projects.



SPARC in Media:

SPARC 5665 has always been active on social media since the day it was founded. We are posting at all times on facebook, instagram and twitter regularly. Our aim was always to propagate FRC and Robotics Technology. We added Turkish dubbing to FRC 2017 Steamworks video to make them easier to understand. We tried to gain awareness of FRC , Robotics and our team by giving interviews from each school to Shalom Newspaper. We tried to improve ourselves by attending different conferences and panels. We tried to help other teams as much as we could at the Offseason and we always made safety our top priority. We want to thank everyone who supports and follows us on social media.

Additionally we made interviews with one of the famous radio programs called "Geveze".

More than 10 newspapers (online, hard copy and local) wrote about the us.



“Filizlerin Mucizesi” otomotivde önvargıları yıkacak

DISCUSSION: Using the results obtained in this study, appropriate interventions to reduce mosquito breeding opportunities can be implemented. "Biting Blizzards" (Pavoni's Blizzards, Arden, Virginia, America) are insecticide-treated traps that capture mosquitoes. The insecticide used is permethrin, which is also used in the IRS. For example, in India, as the mosquito season begins, the traps are

has taught in the areas of adult literacy in the United States, China, and Taiwan. He is currently working on a book about the role of the family in the development of the child in the United States and China.

[illegible][illegible]

Silikon Vadisi'ne StarTURK açılımı

[illegible]

NASA ve G

Karnın peşinde

NASA ve Google robotçuların pesinde

[illegible]

"Korupsi telah menjadi
 bagian dari kehidupan
 bangsa Indonesia yang
 sudah sangat parah dan
 merugikan masyarakat
 Indonesia. Kita harus
 bersikap tegas dalam
 menghadapi korupsi
 yang sudah menjadi
 budaya di Indonesia
 dan kita harus bersikap
 tegas dalam menghadapi
 korupsi yang sudah
 menjadi budaya di
 Indonesia."

[illegible]

Hem çocuklara
hem gençlere
EĞİTİM



ARTISTS: Circle Structures' teams have a long history of working together to build a better world. In 2011, the organization launched a new initiative to create a network of artists and designers who would work together to create a new world. The organization's mission is to create a world where everyone has a chance to thrive. The organization's vision is to create a world where everyone has a chance to thrive. The organization's mission is to create a world where everyone has a chance to thrive. The organization's vision is to create a world where everyone has a chance to thrive.

Dünya çapında bir keşif...

[illegible][illegible]

İşten çıkartılanlar için üçüncü tazminat

3 From its postcard-inflected Southern charm, the town has acquired a reputation as the "Ozark Capital of the World." One of the reasons is the Ozark National Forest, which covers 170,000 acres.

4 Another reason is the town's location. It's known locally as "the crossroads of the Ozarks" because of its location on the intersection of two major highways, U.S. 63 and U.S. 412.

5 The town's location is also a major reason for its popularity. It's located in the heart of the Ozark Mountains, which are known for their scenic beauty and outdoor recreation.

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[illegible]

GSS prim borçları yeniden hesaplanacak

İSİT DÜNYASI

Euras Square satyrligine
(axamnet drom)

...İŞ DÜNYASI...



Group's last leader, Maria Montez, 71, who began her activism in 1962 in support of Puerto Rican civil rights, says she is glad to see her fellow protesters. "I am proud to be here," she says. "I am proud to be part of this movement." She is also proud to be a woman.

Crane Square bathyscafe
(annual group)

offshore. Located 5000 ft deep, this bathyscafe (Crane Square bathyscafe) is one of the deepest in the world. It is located in the Atlantic Ocean, off the coast of New York City. The bathyscafe is a small, one-person submersible that can reach depths of up to 10,000 ft. It was built by the U.S. Navy and is now owned by the National Oceanic and Atmospheric Administration (NOAA). The bathyscafe is used for research and exploration of the deep ocean. It has been used to study the deep-sea hydrothermal vents, the deep-sea coral reefs, and the deep-sea mud volcanoes. The bathyscafe is also used for the collection of deep-sea samples and for the study of deep-sea life.

RTS: 2000-00000000

...KISA KISA... KISA KISA...

■ **Taylor Galt** (www.taylorgalt.com) is a Nashville-based singer-songwriter. Her latest album, *Unleashed*, is available on iTunes and Amazon.

■ **Wag the Dog** 1 and 2 and **Johnnie Brown** 1: Giuseppe Tornatore's two new movies (opening last week) are a pair of Italian-made, American-style action pictures. **Wag** is a comedy, **Johnnie** is a drama. Both are directed by Tornatore, who has a reputation as a director of beautiful, lyrical movies. **Wag** is a comedy about a man who is a dog. **Johnnie** is a drama about a man who is a dog. Both are directed by Tornatore, who has a reputation as a director of beautiful, lyrical movies.

■ **Stasiun 1, 2, 3** dan **Stasiun 4** bersebelahan di bagian timur. Ciri 1 dan 2 bersebelahan dengan perantara stasiunnya di bagian timur 10-15 m. Ciri 3 dan 4 bersebelahan dengan perantara stasiunnya di bagian timur 10-15 m. Ciri 1 dan 2 bersebelahan dengan perantara stasiunnya di bagian timur 10-15 m. Ciri 3 dan 4 bersebelahan dengan perantara stasiunnya di bagian timur 10-15 m.

[illegible]



NASA ve Google robotçuların peşinde

TÜRKİYE'de kim bilir kaç nesil "Japonlar bunu da yaptılar" başlığıyla duyurulan robot haberlerini okuya okuya biliyorduk. Şimdiki gençler bir neslin hayalini kurduğu robotları gözle kapalı üretiyor. Hatta robotçu gençlerin bir sınırı ötesine ulaştı. Lise öğrencisi Alara Güler'in geliştirdiği tanımlı robotu Tayvan'da dünya ikincisi oldu. Şimdi de Robert Koleji, Saint Pulchra, Ulus Özel Musevi Lisesi, Maltepe Anadolu Lisesi, Muğla Yönetim Okulları, Eriş Teknik Okulları, Koç Lisesi ve Üsküdar Amerikan Lisesi'nden 83 öğrenci ve 10 öğretmenin oluşturduğu ve aralarında Alara Güler'in de bulunduğu SPARC 5665 Robotik Takımı, ABD'de 8 binden fazla takımla

yaşacak. Türkiye'de 6 bin dolartık girişimci ödülünü kazanan SPARC 5665 Robotik Takımı Los Angeles'te düzenlenen First Robotic Competition (FRC) de Türkiye'yi temsil edecek. FRC, 1989'da Ginger'in mucidi Dean Kamen tarafından kurulan FIRST Vakfı tarafından her sene 9 ve 12. sınıflar için düzenlenen bir robotik yarışma. Takımlar her yıl bir tema çerçevesinde yaptıkları robotlarla belirli görevlerin ötesinden gelmeye çalışıyorlar. Yarışmanın kuralı gereği altı hafta gibi kısa sürede robot hazırlayan gençler NASA, Google ve dünyanın önde gelen şirket ve üniversiteleri tarafından da yakından takip ediliyor.

Charity Projects:

Donation to ÇYDD:

Every year our team gives 10th grades the opportunity to make their dreams come true by providing them the possibility to design a piece of cloth or a jewelry according to their own pleasure which are made collaboration with big companies such as Urtat or Cacharel. Furthermore this project serves something much bigger than only one person's happiness, the money collected at the end of the disposal is donated to ÇYDD (Association for the Support of Contemporary Living)

Sale for the Şile Ecological School:

Sales of water bottles, promotional stickers and many other nature-friendly accessories are organized by the Environmental Club each year in order to raise money to help cover the expenses of the school's "Ecological House" in Şile. This year as the Robotics Club, we built two nest boxes for birds to find shelter when it's raining or for them to come in and cool down during hot summer days, as well as to decorate the house's vast gardens. our school, we have a environment association.

Sale for the Valentine's Day:

As a team, we gave eachother heart shaped chocolates sold in the valentine's day for ÇYDD (Association for the Support of Contemporary Living) and then we donated them.

Library for our sister school:

Every year in our National Republic's day, we help a school that doesn't get hands on any books and doesn't have any library is chosen among all Turkish schools as the sister school. Then, all the students compile all the books for the sister school. Once the boxed spare books are ready to go, a tutor and a number of students go to the chosen sister school and build a library.

Hospital La Paix:

Some of our team members visit "La Paix" mental hospital for every week to make the patients feel better about their life and let them know that they are not alone. Especially in Noel our students prepare Christmas letter and make videos in which they sing french songs to give them a special New Year present and make them happy.

Donations to TEMA and Anadolu'da Bir Kızım Var:

Every year, 24 November is celebrated as the Teachers' Day in Turkey. And our high school, Sainte Pulchérie has a very special and meaningful way to celebrate this day. As the students, we think that the best present for the all teachers is not something material, but to see another child getting the chance to go to school... So, for this purpose, we have started the "Anadolu' da Bir Kızım Var" (I have a daughter in Anatolia) project to support two girls' education in Anatolia every year by collecting donations and it has been two years since we have started this project. What we had been doing before this project was to plant trees through the foundation of TEMA, for every single teacher in Sainte Pulchérie, by collecting donations from the students again. We believe that these are the best ways to show our appreciation for the teachers and to honour them as well...





Goals:

Safety First:

Our team members passed the “Work Safety” test of the Turkish Chamber of Mechanical Engineers and were awarded personal certificates. We care about safety in and outside our team and know our health is the highest priority.

Networking:

From our little makerspaces in our schools, by taking advantage of the uniting power of social media, we have been communicating with FRC Teams from all around the world. Our well rounded use of various social media platforms, whether it is Facebook or Instagram, has enabled constant access to collaboration with other teams regardless of the thousands of miles between our schools.

As our team is comprised of many different school, we all had different accounts on social media. Now we have combined our forces to reach an even bigger audience.

Through social media we have been able to:

- Receive and offer help to different FRC teams from all over the world during and after the build season.
- Keep our sponsors and fans up to date on what we are up to everyday by sharing our progress on various platforms.
- Use Skype and Google Hangouts to help FLL/FRC teams we support no matter where we are.

We also believe that the friends we made during the competitions are essential. We are constantly in touch with the teams we had made friends with during the Offseasons and Regionals and sometimes hang out with them outside of the competition.

We have been using the blessings the 21st century media offers us to the fullest, as it has provided us unlimited access to contact other teams to collaborate!

Mentoring Other Teams:

We have been mentoring more than 10 different FRC and FLL teams that we established or introduced. In addition to these team, we are always opened of any team's questions or friendship. We always get in touch with the teams via Instagram, Facebook or e-mail. It doesn't matter if we know that team or not. FRC's basis is formed absolute friendship and joy! We want to follow its path.

Hi, I'm Cihan Akbaba, mentor of Mev Makers team (6416). My story of acquaintance with FRC was too fast to be a story. One night Mehmet Özdemir (mentor of the team SPARC) called, whom I contact frequently, and started to talk about the excitement in the tournament and the stages of making the robot. "Actually it is much more than the robot," he said "why don't you join?" hereupon I started to search FRC. It was the last day to register. I told FRC to my students, they were as enthusiastic as I was. With help of Ayşe Hanım we met FRC at the end. Only Mehmet Özdemir is responsible from all of the colds, flu, coming back home at 4 a.m., and the problems I went through because of the late comings within the process. Still thank you for spreading this "virus" to me.

-Cihan Akbaba, Mev Makers (6416) mentor

SPARC suggested starting this club, referring to FRC. It supported us by introducing the teachers, who set up this club in their schools and ensuring that we obtained all of the information we need. We contacted Fikret Yüksel Foundation from his backup. The club, which we were thinking to establish, has started this year and our students built their robot for the competition in 19-21 November. We really appreciate all of his support during the process.

-Hüsnü Yılmaz

Sponsorship:

As a team who represents a small company, by having every individual work on the subject they are more interested in, we are continuously in contact with other companies. Simulating and learning about advanced and knowledgeable corporations, allow us to understand the work life that is waiting for us in the future. Throughout this process, these companies have been generous enough to support us financially, whether this is for our long travel to the US or for the community service that we do all around Turkey. They try to support us as much as possible in order to spread the robotics spirit all around the country. With such support, we do not only teach everyone- from young to old- the developed technology, but we also use these donations to help newly developed teams by having them in our team sessions and teaching how the competition works so that they can be future teams of the First Robotics Competition.

As a team fact: "Our fundraising team introduced FIRST and SPARC spirit to more than 50 major companies and start-ups."

Koç Fiat Kredi

March 5, 2017

Team SPARC 5555
Saint Pulcherie Lycée Français
Istanbul

Dear Team SPARC 5555,

I would like to thank you for your visit of last week.

It was a great pleasure to meet the representative of your team and learn about your very interesting technical as well as philanthropic projects and activities, such as:

- Robotics Community Impact Project for Roman children of Istanbul
- Rehivire Community Impact Project for little children of Manisa
- “Technovation” project only for female students as a tool to motivate female students to study engineering
- Development of an application, i.e. SCODF-app, and securing its approval by the Ministry of Education as well as signing a contract for experimental usage of this application in schools
- stable donations to LOSEV, to village schools in remote and less advantageous areas of the country, to Syrian immigrants.

I am very much impressed with the fact that you have enlarged your activities and projects beyond your close area and reached other cities. Also, your efforts in promoting your activities both to governmental agencies as well the business community is inspiring.

Congratulations.

Best regards,

Sinan Keser
Sales and Marketing Manager



Sirket İçi

Team Essay:

Deaf.

That's what we were 4 years ago.

We were just a bunch of kids with a big dream. We didn't know that we could make our dreams come true until we met the FIRST foundation. A foundation which helps kids to discover their sparkle. That's how we founded our team SPARC, with an instant sparkle. Team SPARC consists of 1 mentor and 26 students. We have been on our journey for 4 years. While being freed of our deafness we decided to help real deaf people. We created "optical-acoustic glasses". A creation that warns its owner by colour senses about the direction and intensity of surrounding sounds such as voices and warning signals. The project itself was really compelling at the start. We had been working on this project for 2 years without getting any results. During that time, we were slowly losing hope and people around us were telling us to abandon the project and move on to another one. But we don't lose hope easily. We grew up reading life stories of famous scientists. Stephen Hawking for example, his life was full of tragedies, but he overcame every single of them, published his *A Brief History of Time* and changed the world. Reading about their life, we were taught that we shouldn't abandon our dreams, so we worked twice as hard and were able to accomplish. Famous author George Orwell said that "To see what is in front of one's nose needs a constant struggle." As if confirming his quote, we discovered that our project was much easier than we thought. This year we finally concluded the project with great success.

But that wasn't enough for us, we wish to do something that would affect everybody out there, something that would touch every single person's heart. We wanted to inspire little children's minds and wanted them to question. So, every year at October 29 (Turkish Republic Day) we choose a school in Anatolia which is in a poor condition to donate books that we've gathered from our school. We give them our own books instead of buying new ones because we believe that the warmth that old books give us is much more than the new books and we build them a library. While building their library, we teach them the basics of Mindstorm and build a FLL robot with them. Most of our team members have participated FLL in their middle-school and we love mentoring about something that reminds us good memories. Firstly, we started team Spartans. Through our mentorship to Spartans they have won Inspiration and Research awards. In 2016, we started Hüseyin Avni Sözen (HASAL) FLL Team and Borusan Avcılar FLL Team. We trained mentors for FLL teams, consequently, they could teach to their own students. This way, we aim to make a chain effect that could train generations.

Nevertheless, we wanted to share our experience with other children who do not have the means to access to robotics and science. Thus, we have organised our first Maker Faire on May 13rd. SP Maker Faire is an event where creativity, craftsmanship and invitation are celebrated. It is aimed to please everyone who loves technology, is devoted to teaching others and loves to create things. It is where every maker shares information while learning from others, regardless of their age or skills. As 5665, we organize this event and share our experience with more than 50 schools and companies. As we tried to introduce FRC to our friends, we also learned a lot from them. With SP Makers and other schools, we organized many different workshops for students who would like to learn more about Arduino, 3D Design, FLL, VEX and much more. Since we had so many positive feedback, we decided to make the second one this year. We are also the team who distributed VEX in Turkey. We had workshops in Aydın, İzmir, İstanbul, Ankara and

Çankırı and gave them 30 VEX kit. We also participated in Haydarpaşa Maker Faire in November 12 and showed our VEX robot. Every year we have a Code Week in our school and help our friends learn the language of Python. We designed an application which is called SCODE. SCODE is an app which provides programming and algorithms education. It was created for children especially for kids who participate in FLL and Jr.FLL could easily start to learn the world of coding.

However, we realized that being a kid in East Anatolia costs much more than the need of technology. As we grow up our parents have always taught us to empathise and we also believe that the basis of understanding, respecting and helping someone depends on this ability. Hence, while trying to help them we saw that some of those children, particularly girls, can't even go to school. That's why we decided to contribute to social responsibility projects.

Every 24th November is celebrated as the Teacher's Day in Turkey. And for us, it is very special and meaningful to celebrate this day. We think that the best present for all of the teachers is not something material, but to see another child getting the chance to go to school... For this purpose, since 2015, we have started the "Anadolu'da Bir Kızım Var" (I have a daughter in Anatolia) project to support two girls' expenses of education in Anatolia every year with the help of donations.

In the meantime, since last year, we have sold heart-shaped chocolates on valentine's day for Çağdaş Yaşamı Destekleme Derneği (Association for the Support of Contemporary Living) in our school, we desire that warmth of our heart can reach families out there who lives on the edge of poverty. At the same time, we had plans for animals too, we built houses from recycled materials for cats and birds in our workshop.

Ever since we have noticed that changing a country's conception of the world depends on changing the education system of the country, we have been trying to do our best by spreading the message of FIRST. Turkey has a rote-learning based education system and this system has a bad impact on the students. By changing the system, we aim to create one which can allow students to discover their potential on maths, science and logic-based activities and which can allow STEM to be a part of our education system. So, we help the creation of STEM centre in Payas which assists students to have the education of coding and robotics. And we made presentation in Izmit, Hatay, Aydın, Bursa and Antep. We let students from Muğla Yönelit College, Ankara Sınav College, Hüseyin Avni Sözen Public High School, Köyceğiz Science High School join our team. Exclusively, we have as much girls as boys in our team because we believe that a society without woman is a society without a future. Mev Makers, the team we have started last year, went to Florida Regional and showed a great achievement as a rookie team. Team Kaiser 6989 won Highest Rookie Seed Award in 2017 Turkish Off Season This year we have started 2 new teams; Team rOctopus and Team Oksef. Team Oksef will attend Istanbul Regional and Team Roctopus will attend Shanghai Regional this year. Also this year, we have started negotiations with our sister schools in France to start a new French FRC team.

Long story short, we can say that we try to bring out the Hawking's in ourselves. To write our own *Philosophiæ Naturalis Principia Mathematica* and to publish our *Annus Mirabilis*, we aim to never abandon our dreams. With the inspiration of FIRST, we know that we have traded our deafness with science and taught other aspiring engineers, scientists and mathematicians how to do so.