

FOR INSPIRATION AND RECOGNITION OF SCIENCE AND TECHNOLOGY



Logged in as: feliks0@nana.co.il (team login)

[home](#) [about](#) [profile](#) [logout](#)

Below is the entry you have submitted for the Chairman's Award. You may log in and view it at any time.

Event: **Israel Regional**
Submitted: 02/19/2008

Your Team Number: 2669
Team Name, Corporate / University Sponsors: Rabin High School

Images:

Briefly describe the impact of the FIRST program on team participants with special emphasis on this year and the preceding two years.

FIRST has motivated team 2669 members not to settle until all the objectives have been accomplished. The FIRST program has shown us how the 'Strength of Will' help people overcome any obstacles. We have fought against bureaucracy both at the municipal & national levels in order to bring FIRST to Rabin high school & Kiryat Yam. Despite the consequences of teachers' strike on our curriculum, we take part in FIRST and we owe the opening of the team to the FIRST influence on us. FIRST spirit has won!

Examples of role model characteristics for other teams to emulate.

-Team 2669 has attracted girls to take active part in our team endeavors to create a sustaining FIRST team and to perform well at the regional competition. Some of the girls are new to engineering and report that the opportunity given to them sparks interest to science and technology. -Being a rookie team does not mean we cannot help other teams. We lend parts and share our knowledge with teams 2257 & 2217. -Team 2669 initiated safety outreach program to make sure shooting robots are safe.

Describe the impact of the FIRST program on your team and community with special emphasis on this year and the preceding two years.

FIRST has created connections between youth from two neighboring towns, Kiryat Yam & Kiryat Motzkin. Sustaining friendships were built. FIRST has given us the opportunity to do good deeds for others by taking advantage of science & technology. Thanks to FIRST we can raise smiles on people faces. FIRST has fostered education in Kiryat Yam. Thanks to FIRST, team 2669 collaborates with 'Youth Academy' of Eshkol Pais Science & Arts Excellency Center. It all started with a lesson we gave about FIRST.

Teams innovative methods to spread the FIRST message.

Our team is a functioning example of the true meaning of FIRST. We work to create a world where science and technology are celebrated. Where young people from families without background in engineering dream of becoming science & technology heroes. We are fishing for potential volunteers, corporations, schools, colleges, universities that might join the FIRST community and send them publicity materials. We spread the word about FIRST in every social network, forum, blog, wikipedia, online magazine.

Describe the strength of your partnership with special emphasis on this year and the preceding two years.

Team participants live in different towns in Israel from Hadera to Nahariya. Nonetheless, we all join forces together for a shared goal and meet daily despite the long driving hours. "Liran Taasiyot", a workshop in Kiryat Yam provides our team with facilities and materials for the construction of our robot. "Carmel Ulpinim" of Haifa Oil Refinery finance us in order to help us accomplish our objectives. "ILAN" organization work together with us planning activities for disabled kids and adults.

Teams communication methods and results.

Team 2669 has developed several different communication methods aimed not only at strengthening the partnership between team members, but also at connecting the team and FIRST to the world. Team 2669 has a website with schedules for meetings, forum, weekly newsletter, and also a channel on YouTube, a page on Facebook, Picasa, a blog. These methods result in a strong liaison between KY Bots, FIRST, and the world. Team members stay updated with team progress and people can learn about FIRST.

Other matters of interest to the FIRST judges, if any.

Team 2669 will conduct fund raising campaign at the regional event for the less fortunate. That includes the following organizations: ILAN ISRAEL DIABETES ASSOCIATION ISRAEL EPILEPSY ASSOCIATION NATIONAL AUTHORITY FOR FIGHTING AGAINST DRUGS ALEH MEIR PANIM -Team 2669 has added entries about FIRST to Wikipedia in 7 languages: English, Russian, Hebrew, Arabic, French, Spanish, and even FINISH! -Team 2669 has translated several FIRST documents from

English to Hebrew and uploaded them.

Team 2669 is composed of students who are above all human beings who care not only about themselves but also about the world around us.

We stand behind numerous initiatives which are aimed at making the world we live in a better place. We have decided as a team to focus on raising smiles on other people faces through the technology.

FIGHTING AGAINST ROAD ACCIDENTS

427 people lost their lives on the roads of Israel in 2007. This is an atrocious number. Many people tend to think that road accidents are unfortunate incidents. This is completely wrong. Did you know that the majority of traffic accidents are the result of human behavior rather than road conditions? Did you know that impaired driving leads very often to fatal accidents? Team 2669 is aware of the importance of safety on roads. It all starts with education. Prevention is achieved only after people get to know important facts about what might risk their lives.

Team 2669 includes links to studies, presentations and magazines about safety on roads on our official website. We believe that visitors of our site should be exposed to life saving facts!

GLOBAL ECOLOGICAL CONCERNS

'GO BLACK!' -

Did you know that using black color predominantly helps save power and therefore reduces the damage caused to the ozone layer?

"Image displayed is primarily a function of the user's color settings and desktop graphics, as well as the color and size of open application windows; a given monitor requires more power to display a white (or light) screen than a black (or dark) screen." Roberson et al, 2002. Saving energy is important for several reasons and among them:

- We are running out of energy resources.

- The energy resources used nowadays are causing pollution which damages the ozone layer. Saving reduces that damage.

Team 2669 is aware of this fact and therefore its website has a black theme. However, we do not settle until ALL the FRC teams in the world get acquainted with this important fact and follow our steps. To reach this goal, we have posted a thread in ChiefDelphi where FRC teams are called to take part in the effort.

We believe that there is value in the concept because even if the energy savings are small, they all add up.

ECOLOGICAL ART CONTEST-

Kids at the ages of elementary school were given a task by team 2669 - drawing a robot that would pull out debris from underwater. We were motivated by a similar initiative of team 1311 Kellrobotics. The kids think of innovative ways to deal with ecological concerns. The paintings will be shown to the judges.

EXPOSING PEOPLE TO SCIENCE AND TECHNOLOGY

THE FIRST OFF SEASON EVENT EVER IN ISRAEL-

The event was an initiative inspired by the IRI annual event in the U.S.A. It all started from an 'I wish, but it's impossible' post in a forum.

Team mentor, Liron Gurvitz saw the post and thought that the idea can be realized.

Later on he got in touch with Dr. Evgeny Korchnoy and together they made the event happen with the help of other team 2669 members who helped with logistics and judging.

12 teams from all across Israel made all the way to Haifa for the important cause. The Off Season turned out to be an exciting competition with collaboration, passion, and willingness to be FIRST.

Several objectives of paramount importance have been accomplished:

- Spreading the true messages of FIRST in Israel.

- Promoting the relationship between the Technion and First Israel.

- Exposing people to the fun and excitement of engineering and thus making people consider careers in a field they may have never thought of before.

- Setting the foundations for many new FRC teams.

Plans for another off season event are already being made.

BREAKING MYTHS-EXEMPLIFYING COEXISTENCE

A team from Tamra, an Arab muslim town in the Galilee attended the event. It was one of too few occasions when Jews and Arabs work together in cooperation and build a brighter future for the two peoples. FIRST brings people of different religions, nationalities, origins and beliefs together. KY Bots, being a pluralistic team, comprehends how important it is to create and build new worlds together instead of destruction, suffering and bloodshed which unfortunately the two peoples have witnessed so much.

GIRL POWER

Some girls draw back from robotics in particular and engineering in general because it is not considered attractive enough to them.

Team 2669 is looking for ways to attract as many girls to robotics and engineering as possible.

Pre high school and 10th grade girls get to spend time with our team during our building and programming sessions. Our team mentors give detailed background to the girls about engineering.

Not only do we expose these girls to the world of science & technology, but once they learn the basics, we involve them actively in our building.

We hope our endeavors will result in more girls joining FRC teams now and considering career paths in engineering in the upcoming years.

FUTURE FIRSTERS- EXPOSING ELEMENTARY SCHOOL KIDS TO FIRST

Team 2669 was opened not for one year of participation. Our team cares about the next generation of KY Bots FIRSTers. We acknowledge the fact that it is vital to educate and expose kids to FIRST, the sooner the better. We inspire young gifted minds today, we get successful engineers tomorrow. Our team delivers FIRST lessons to kids at the ages of 8-9 in Eshkol Pais center in Kiryat Yam once a week as part of a wider partnership with local 'Youth Academy'.

FOSTERING EXCELLENCE IN ENGINEERING

HYBRID4ALL INITIATIVE-

Team 2669 is new to the FRC.

Nevertheless, we are concerned about the achievement of other teams in this year's game.

It all began from a speech delivered by professor Moshe Shoam, the CEO of the Robotics Research Lab in the Technion, Israel. This lab is considered as one of the most advanced of its kind in the world. Professor Shoam told teams at the Kick Off that Robotics is all about Autonomous action, and persuaded teams to put big efforts in their Hybrid modes. KY Bots acknowledges the significance behind the words of Professor Shoam, and therefore initiated the Hybrid4All project both in Israel and Worldwide.

Hence, motivated by Shoam words, we have conducted a wide scale campaign to make sure all teams earn points during the 15 seconds hybrid period. It is important to notice, that we do not dish up a ready plug and play code to the teams. We offer comprehensive help and guidance.

Our goal is to instruct teams on how to program their hybrid by giving them all the necessary tools so that teams can face real world programming problems, think, and eventually learn to solve them.

COMMEMORATION OF ISRAEL'S ASTRONAUT ILAN RAMON

On the 31st of January 2008, a delegation of NASA headed by MICHAEL E. LOPEZ-ALEGRIA came to Kiryat Yam on the annual day in memory of Ilan Ramon, the first Israeli astronaut who died in the re-entry accident of shuttle Columbia on 1st of February 2003. Members of our team took part in this event. We are proud to have the privilege to take part in the commemoration of our national hero, Ilan Ramon, who made an enormous contribution to the study of space and to the state of Israel. Ilan Ramon has left a legacy not

only of excellence in science but of the true meaning of Judaism and good citizenship. He was also one of the leading IAF fighters. During his last mission in space he took with himself the bible and symbols of the Jewish people. Our hearts go out to his family. We can only pray that they will take comfort in the fact that in his life, their Ilan saved both the life and the spirit of his country.

DEAN KAMEN'S HOMEWORK ASSIGNMENT

Team 2669 takes very seriously the assignment of Dean Kamen to FIRST teams for the 2008 season.

This year Dean Kamen told teams during the kick off that we have to get FIRST in the mainstream of the media.

Hence, people should get to know about the organization from television reports, radio broadcasts, etc. Team 2669 has contacted the press and media in Israel in order to convey the messages of FIRST.

The following are the key messages we deliver:

- FIRST's goal is to inspire young people's interest and participation in science & technology.

- FIRST brings the excitement of a sporting event to science & technology via robotics competitions.

- Many of society's key problems will be solved with science and technology.

Team 2669 has managed to get coverage and reports in the following:

RADIO-an interview was given by Avi Kerpel after 'Showtime' event held at school to Radio Haifa. Team Leader Liron talked to Radio Haifa before the Off Season Event which was held at the Technion.

TELEVISION-Team 2669 has been reported about on Channel 3. The comprehensive report on "HOT" evening newscast included interviews with team mentors and students. The newscast is produced by JCS productions and is aired daily at 6:10 in the evening.

CARING FOR THE DISABLED- KY BOTS & ILAN, A STORY OF SUCCESS-

ILAN is Hebrew acronym for 'Israeli Organization for Disabled Kids'. The organization provides the kids with sport and rehabilitation facilities as well as help of all kinds on a daily basis. Our team made an activity with disabled kids and adults giving them the chance to control our robot. The kids and adults enjoyed the fun and were extremely excited. Not only was it fun, but it was also a good motor exercise. This best demonstrated how easily you can make people smile using technology. ILAN center in Haifa, headed by Mr. Uzi Perel and Mrs. Anat praised us for the initiative and asked us for weekly events. This will evolve into broader partnership.

'SHOW TIME' EVENT-

All the students from Rabin high school gathered to learn about FIRST and see the robot in action. Kiryat Yam mayor, Mr. Shmuel Siso attended the event and played with the joysticks. Rabin students and our team had a blast showcasing our achievements.

This was a tremendous ending to a successful build season.

Go KY Bots!

This entry was not submitted towards fulfilling the Nasa Grant requirements.

By entering my name below, I agree that I have read my teams Regional Chairman's Award submission and have personal knowledge that the statements and claims made are complete and accurate.

Team Captain / Student Representative :

Avi Kerpel

Team Mentor :

Yivgeni Korchnoy