Proposal for Financial Assistance through sponsorship or donations

SAP ALPHA SHAKERS
FIRST LEGO LEAGUE & ROBOTICS

Version 5.0
10 February 2015

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PROPOSAL

Introduction

 FIRST® is an acronym *"For Inspiration and Recognition of Science and Technology"* and was founded by inventor Dean Kamen. Its purpose is to inspire young people's interest and participation in science and technology. Visit *usfirst.org* for more information.

In the FIRST® Lego® League, children are introduced to real-world engineering challenges by building and programming LEGO-based robots to complete tasks on a thematic playing surface. FLL teams, guided by their imaginations and adult coaches, discover exciting career possibilities and, through the process, learn to make positive contributions to society.

In the 2014 FLL WORLD CLASS℠ Challenge, over 265,000 children from 80 countries had to redesign how we gather knowledge and skills in the 21st century. Teams will teach adults about the ways that kids need and want to learn. See more at: *http://www.firstlegoleague.org/challenge/2014fllworldclass#sthash.EEqXPoBP.dpuf*

Official tournaments were held all across the globe and although the audience mostly sees teams playing the robot game / competition at tournaments, teams were also judged on the following aspects: Robot design, core values and the project.

Robot design

Our robot is called **Bravo!Shaker**. It started out as a mere EV3 brick, but look how we expanded it with Lego® attachments that we built by trial and error.
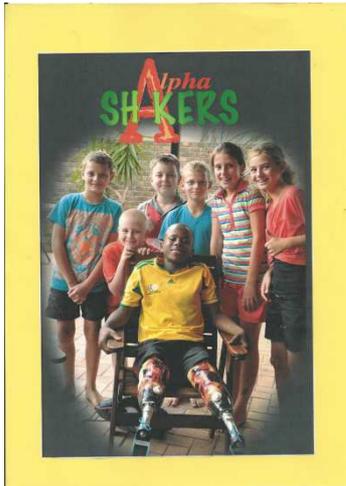
Robot Game

The robot game is played on a thematic playing surface. The missions included: ■ Push a lever to open a door to learning ■ Complete a sports-based task ■ Move an idea outside the box ■ Rotate models to adapt ■ Load a model with knowledge and skill loops ■ Reverse engineer a unique structure.

Visit *http://www.firstlegoleague.org/challenge/2014fllworldclass* for more information.

Core Values

Everyone affiliated with an FLL team must honour the Core Values, which emphasize contributions of others, friendly sportsmanship, learning, and community involvement.

Project

Ntando – our inspiration.

Bongi, at the New Hope School for Disabled Children.

Teams had to participate in all 4 elements and areas of the FLL competition in order to be eligible for any FLL Core Award.

Regional competitions were held in South Africa and the best teams in each region progressed to the South African National Championships, held on 5 and 6 December 2014.

Award winning teams from the National Championship event were invited to the African Open Championship in Johannesburg to be held on 5 -7 May 2015. See more at:

http://www.firstlegoleague.org/event/openinvitationalchampionships#sthash.0L8aylMm.dpu

The **Alpha Shakers** is a *First® Lego® League* team from Laerskool Constantia Park in Pretoria, Gauteng.

The team consist of 4 boys and 2 girls, all aged 11 years.

Our project's main focus was "Teaching our fellow scholars about empathy for people with disabilities". The New Hope School for Disabled Children in Pretoria, visited our school and we had a day of sharing wheelchair dances and games. According to the pupil's written feedback we succeeded in our goal to teach empathy to our fellow scholars and friends.

Our logo: "Don't see WHAT I am, see WHO I am, see ME", reached many people's hearts.

 Currently we are expanding our project to Glenstantia Primary School in order to reach our goal in more communities and other cultures.

During the Northern Gauteng Regionals, we won the trophy for Best Robot Design and Programming and qualified to participate in the South African National Championships.

During the national championship we competed against several teams, including the top High Schools in the country. We achieved second place, second only to the grade 9 team from a prominent high school in Pretoria. To elaborate on the significance of this achievement, it needs to be highlighted that our grade 5 team competed against 192 teams countrywide and was only bested by 16 year olds. This is encouraging news for the future.

Our team advanced to the African Open Championship and will represent South Africa against the likes of Egypt, Nigeria and Tunisia in May this year.

We have been invited to the World Festival Championships in America, during April 2015. Attendance at the World Festival Championships is by host INVITATION ONLY!

This is an opportunity of a lifetime! However, sponsorship is only available to the team who came first.

In view of this, we request you to consider our request and proposal for financial assistance through sponsorship or donations.

General Description of Opportunity

General

The FIRST® Lego® League (FLL) **World Festival Championship** is the culmination of the season's FIRST programs, bringing together three separate robotics competitions for the ultimate Sport for the Mind™. See more at:
http://www.firstlegoleague.org/event/worldfestival#sthash.salcwlHx.dpuf

Location

Currently, St. Louis, Missouri, is the gracious host city for FIRST® Championships. It is one of few cities in the United States that can accommodate the sheer size of the FIRST Championship. This year the activities will stretch beyond the Edward Jones Dome and America's Center and new venues: Renaissance Grand Hotel and Union Station were added. The Festival hosts about 85 teams annually.

Features

In America, a generous and extensive network of Fortune 500 corporations, foundations, and individuals support FIRST®. These organizations and individuals provide significant funding, mentorship time and talent, volunteers and equipment to insure that FIRST® participants receive the best experience possible.

In South Africa FIRST® Lego® League is supported by several educational and professional institutions.

Benefits and Opportunities

FIRST® sponsorship benefits include:

- Advertising and exposure-both in the African championship and globally during the World Festival Championship
- Strengthens company reputation in the community.
- Provides renewed inspiration to company engineers and employees.
- Creates a pipeline for interns and future employees.
- Provides rich employee volunteer opportunities.

- Through the resources they provide, sponsors are helping FIRST ® to inspire young people to become the next generation of science, technology, engineering, and math (STEM) professionals.
- Tax deduction benefits. Constantia Park School is registered as a section 18(A) beneficiary.

Your generous donation will help ensure that *SAP Alpha Shakers* have access to the unique learning experiences offered by FIRST®.

You can view our video clip on http://youtu.be/x_nQT9tR6Y or e mail us at alphashakers.gmail.com. We also have a web site http://www.alphashakers.nethold.co.za

Kindly contact Jan le Roux (083 704 1915) or Deon Smal (083 563 8668) should you require any further information.

Financial Analysis Summary

- Return flights, airport taxes   : R 11 200 per child
- Transport St Louis   : R   3000 per child
- Transport Chicago – St Louis   : R   2500 per child
- Accommodation 19 -27 April 2015   : R   8000 per child
- Meals, beverages   : R   7000 per child
- Travel visas   : R   1880 per child

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                                 : R 33 580 per child

- Dri mac / jackets × 9 (6 Children, Coach, 2 Mentors)
- Team t-shirts × 9
- Travel bags × 9
- Track suit uniform × 9
- Caps × 9
- Tournament Registration Fee   : $ 1000 per team

ADDENDUM A : BANK DETAILS

LAERSKOOL CONSTANTIA PARK, ABSA BANK, CHEQUE ACCOUNT, ACCOUNT NUMBER : 3490147046, BRANCH CODE: 336445. Kindly quote FLL Alpha Shakers as reference

ADDENDUM B :

ADDENDUM C : ?