

# NEWSLETTER

2012 **FLL** MALAYSIA OPEN CHAMPIONSHIP

**CHAMPION'S  
AWARD**

MALAYSIA'S PRIDE



NEXT CHALLENGE





# OPEN EUROPEAN CHAMPIONSHIP 2012 WORLD CHAMPION

Venue : Mannheim, Germany

Date: 6.6.2012 – 9.6.2012

35 countries 67 teams



"The honour of this sweet victory as a champion should go to the mentors and students with great commitment and dedication. To be honest, being able to participate in this international level event was already considered a success for us. Furthermore, judges around the world were caught in surprise with our outstanding achievement despite our first appearance in FLL international competition. I would like to take this opportunity to encourage and urge all students to participate in FLL Championship and hope our students will share their success stories to their peers. Winning this competition proves our Malaysian education system is on the right track towards a developed nation. Besides, we learned that the American education system emphasizes on the learning process throughout the competition instead of focusing only on the final result. I believe our students have earned a lot of experiences over here and I am confident that the knowledge they gained will definitely aid them to success in their future career."

## TEAM LEADER

Mr. Anathan A/L Subramaniam

## PRINCIPAL

SMK Bintulu, Bintulu, Sarawak

Malaysia's Pride: World Champion

## BINTULU HAWKS

SMK BINTULU, BINTULU, SARAWAK





# THE *FIRST*® LEGO® LEAGUE: HOW IT WORKS

*FIRST*® LEGO® League ( FLL® ) created through a partnership between *FIRST*® ( For Inspiration and Recognition of Science and Technology ) and The LEGO Group, inspires future scientists and engineers.



## FLL Children:

- Learn teamwork skills
- Build self-confidence, knowledge, and life skills
- Research challenges facing today's scientists
- Design, build, and program autonomous robots
- Use LEGO MINDSTORMS® technologies
- Engage with their community
- Compete in tournaments and present their solutions to a panel of judges

## How FLL Works:

- Teams of up to 10 children, ages 9-16
- Adult coaches and mentors
- Schools, home schools, churches, civic groups, neighborhood groups
- Parents, teachers, community volunteers
- Corporate sponsors
- New real-world game challenge each year
- Sports-like tournaments with judges and awards

## What FLL Offers:

- Discovery of the fun in science and technology
- Real-world application of science and math concepts
- Hands-on problem solving
- Programming experience
- Research presentation project
- Adult role models
- Team activities guided by FLL Core Values
- Self-esteem and confidence

## 2011/12 FACTS:

- 198,000 children worldwide
- 19,800 teams
- 57 countries
- Food Factor Challenge
- 8-week design, build, and research period
- 50,000+ volunteers
- Over 1000 sponsors
- 560 Qualifying Tournaments
- 117 Championship Tournaments
- 1 World Festival
- 3 Open Championships



# THE *FIRST*® LEGO® LEAGUE: TEAMS

*FIRST*® LEGO® League ( FLL® ) puts children in charge. Teams mix curiosity and imagination with LEGO® bricks, sensors, motors, and gears to invent unique, autonomous robots capable of completing various missions.



## FLL Teams:

- Investigate, strategize, design, build, program, and test their robotic inventions
- Search the web, talk to scientists, visit the library, and develop compelling research presentations which relate to a problem or opportunity facing the world today
- Develop employment and life skills including critical thinking, time management, collaboration, and communication while becoming more self-confident
- Compete with peers in high energy sport-like tournaments

## Getting Started

- Team registration can be done by filling up the registration form requested, and send back to Sasbadi before 30 June 2013
- The annual Challenge is revealed in early September

## Who can form a team?:

- A school classroom, after-school program, extracurricular group, learning centre, home school, neighborhood group, club or civic organization
- Up to 10 children, ages 9-16, and at least one adult coach

## TEAM ACTIVITIES

- Build autonomous robot
- Program robot
- Research real-world challenge
- Deliver presentation project
- Compete at sportslike tournament







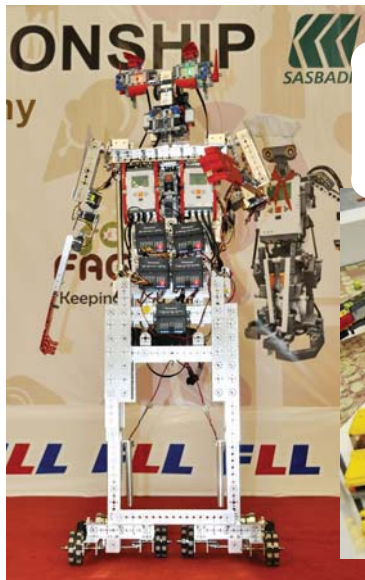
# FLL MALAYSIA OPEN CHAMPIONSHIP

## THE CHAMPIONSHIP WAS FULL OF...

# CHEERS!



# FUN!



# ROBOTS!





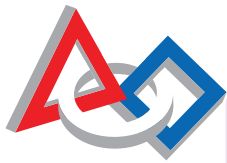
# RESEARCH!



# TEAMWORK!







**FLL**

FIRST LEGO® League  
MALAYSIA

**FLL**

# MALAYSIA OPEN CHAMPIONSHIP STATISTICS

**Venue :** Taylor's University, Lakeside Campus, Subang Jaya, Selangor Darul Ehsan

**Date :** 13th to 15th January 2012



**500**  
Participants,  
**100**  
Coaches,  
**100**  
Volunteers,  
**40**  
Judges,

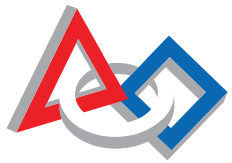




# MALAYSIA OPEN CHAMPIONSHIP AWARD WINNERS







**FLL**

FIRST LEGO® League  
MALAYSIA

**FLL**

# MALAYSIA OPEN CHAMPIONSHIP AWARD WINNERS



Best Robot Performance Award (First)  
**SEMERBAK HYDROBLITZ**  
SMK SERI GOMBAK, BATU CAVES, SELANGOR



Best Robot Performance Award (Second)  
**BINTULU HAWKS**  
SMK BINTULU, BINTULU, SARAWAK



Best Robot Performance Award (Third)  
**XENON**  
SMK TINGGI BATU PAHAT, JOHOR



Best Core Values Award  
**NOBLESSE OBLIGE**  
PERMATA PINTAR, BANGI, SELANGOR



Inspiration Award  
**MECHANICS**  
SM KUEN CHENG, BANGSAR, W.P. KUALA LUMPUR



Teamwork Award  
**SKTM RAPTOR**  
SK TAMAN MEGA, PETALING JAYA, SELANGOR







Gracious Professionalism™ Award  
**FUN ACE**  
SMJK JIT SIN, BUKIT MERTAJAM, PULAU PINANG



Best Project Award  
**WISSENSCHAFT**  
HIN HUA HIGH SCHOOL, KLANG, SELANGOR



Research Award  
**WISSENSCHAFT**  
HIN HUA HIGH SCHOOL, KLANG, SELANGOR



Innovative Solution Award  
**SMARTBOT**  
SM AGAMA PERSEKUTUAN KAJANG, KAJANG, SELANGOR



Presentation Award  
**SEMERBAK AUTOBOT**  
SMK SERI GOMBAK, BATU CAVE, SELANGOR



Best Robot Award  
**ROBODES**  
SMJK CHUNG LING, BUTTERWORTH, PULAU PINANG







# FLL MALAYSIA OPEN CHAMPIONSHIP AWARD WINNERS



**Mechanical Design Award**  
**AGRI WARRIORS**  
SMK DAMANSARA UTAMA, PETALING JAYA, SELANGOR



**Programming Award**  
**INVADER**  
SMK TAMAN TASIK, AMPANG, SELANGOR



**Strategy & Innovation Award**  
**THE UNKNOWN**  
SMJK CHAN WA, SEREMBAN, NEGERI SEMBILAN



**Rising Star Award**  
**ATOMIC POWER**  
SJKC KWANG HWA, SUNGAI NIBONG, PULAU PINANG



**Against All Odds Award**  
**ROBORUNNERS**  
KLINIK PAKAR KANAK-KANAK JUNINA, PETALING JAYA, SELANGOR







# THANK TO ALL **FLL** MOC GRADUATES

## TEAMS

### MACHINATORS

SMK Berapit,  
Bukit Mertajam, Pulau Pinang

### ATOMIC POWER

SJKC Kwang Hwa,  
Sungai Nibong, Pulau Pinang

### THE REAPER'S

SMK Bukit Goh,  
Kuantan, Pahang

### SWIFT

SMK Damansara Jaya,  
Petaling Jaya, Selangor

### METEORIC

SMK Subang Bestari,  
Shah Alam, Selangor

### SMARTBOT

SM Agama Persekutuan Kajang,  
Kajang, Selangor

### TASK FORCE

Creative Robotics Education Sdn. Bhd.,  
Subang Jaya, Selangor

### BLITZERS

SMK Bandar Utama Damansara (4),  
Petaling Jaya, Selangor

### MEGALYTERI

Sekolah Dato' Abdul Razak,  
Seremban, Negeri Sembilan

### ONE ASAJAYA

SMK Asajaya,  
Asajaya, Sarawak

### ROYAL MILITARY COLLEGE

Maktab Tentera Diraja,  
Pudu, WP. Kuala Lumpur

### INVADER

SMK Taman Tasik,  
Ampang, WP. Kuala Lumpur

### METAMORPHOSIS

Kolej Sultan Abdul Hamid,  
Alor Setar, Kedah

### SMKBJ

SMK Bagan Jaya,  
Butterworth, Pulau Pinang

### PT1-GALAXY

Maahad Taafiz Negeri Pahang,  
Kuantan, Pahang

### TECHTRONIC ROBOTS

Techtronic Distributors,  
Kuantan, Pahang

### SEMERBAK AUTOBOT

SMK Seri Gombak,  
Batu Caves, Selangor

### WISSENSCHAFT

Hin Hua High School,  
Klang, Selangor

### MILKY NACHOS

SMK Seafield,  
Subang Jaya, Selangor

### FOODILICIOUS

Creative Robotics Education Sdn. Bhd.,  
Subang Jaya, Selangor

### AGRI WARRIORS

SMK Damansara Utama,  
Petaling Jaya, Selangor

### HERRLICH

Kolej Tunku Kurshiah,  
Seremban, Negeri Sembilan

### VENCEDORA

Kolej Yayasan Saad,  
Melaka Tengah, Melaka

### SOUTHERN STAR

SMK Seri Bintang Selatan,  
Pudu, WP. Kuala Lumpur

### X-COOL

SK Rantau Petronas,  
Kemaman, Terengganu

### TEAM PHANTOM

SMJK Chung Ling,  
Ayer Itam, Pulau Pinang

### FUN ACES

SMJK Jit Sin,  
Bukit Mertajam, Pulau Pinang

### PT1-STAR

Maahad Taafiz Negeri Pahang,  
Kuantan, Pahang

### NOBLESSE OBLIGE

PERMATA Pintar,  
Bangi, Selangor

### THE LIGHT WORRIERS

R.E.A.L International School Suria,  
Selangor

### THE ROADRUNNERS

PUSAT KEMAHIRAN ROBOTIK ENTERPRISEKIDS,  
Subang Jaya, Selangor

### SYNERGY

MRSM Kuala Kubu Bharu,  
Hulu Selangor, Selangor

### ROBORUNNERS

Klinik Pakar Kanak-kanak Junina,  
Petaling Jaya, Selangor

### SKTM RAPTOR

SK Taman Megah,  
Petaling Jaya, Selangor

### SASER

SM Sains Tuanku Munawir,  
Seremban, Negeri Sembilan

### ROBO CON 1J 1

SK Convent Infant Jesus 1,  
Bandar Hilir, Melaka

### MECHANICS

Kuen Cheng High School,  
Bangsar, WP. Kuala Lumpur

### EXODUS

Sekolan Tuanku Abdul Rahman,  
Ipoh, Perak

### ROBODES

SMJK Chung Ling,  
Butterworth, Pulau Pinang

### FANTA7

SMJK Phor Tay,  
Pulau Pinang

### ROBOTUNER

SMK Sultanah Hajjah Kalsom,  
Kuantan, Pahang

### SEMERBAK HYDROBLITZ

SMK Seri Gombak,  
Batu Caves, Selangor

### LEGO LOGIC

Sekolah Seri Cahaya,  
Shah Alam, Selangor

### EVOLUTION

SMK Bukit Jelutong,  
Shah Alam, Selangor

### CR8 CHEFS

Creative Robotics Education Sdn. Bhd.,  
Subang Jaya, Selangor

### HUMANOIDS

SMK Bandar Utama Damansara (3),  
Petaling Jaya, Selangor

### THE UNKNOWN

SMJK Chan Wa,  
Seremban, Negeri Sembilan

### BINTULU HAWKS

SMK Bintulu,  
Bintulu, Sarawak

### XENON

SMK Tinggi Batu Pahat,  
Batu Pahat, Johor

### PRECISION PHOENIX

SM Sains Selangor,  
Pudu, WP. Kuala Lumpur





**FLL**

FIRST LEGO® League  
MALAYSIA

**FLL MALAYSIA OPEN CHAMPIONSHIP**

**WELL DONE  
AND MANY THANKS TO  
OUR COMMUNITY**





# NEXT CHALLENGE



Can FIRST® LEGO® League teams improve the quality of life for seniors by helping them continue to be independent, engaged, and connected in their communities?

In the 2013 SENIOR SOLUTIONS™ Challenge, children ages 9 to 16 from more than 60 countries will explore the topic of aging and how it may affect a person's ability to maintain his or her lifestyle – solving issues like getting around, keeping in touch, or staying fit.

Teams will research obstacles and then suggest ways to improve the quality of life for the seniors affected. Teams will also build, test, and program an autonomous robot using LEGO® MINDSTORMS® robot to solve a set of missions on an obstacle course. Throughout their experience, teams will operate under FLL's signature set of Core Values.

## How to Participate

Fill up the registration form and fax it to  +603-6145 1199/+603-6156 9080  
The registration closes on **30 June 2013**.

## For further information, please contact:

Kenneth Kang : m | +012-420 3844 t | +603-6145 1029 w | [lego.sasbadi.com](http://lego.sasbadi.com)



## Organiser



## Strategic Partners



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**MONASH University**

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[WWW.USFIRST.ORG](http://WWW.USFIRST.ORG)

**SASBADI SDN. BHD.** (139288-X)

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