

NEWSLETTER FIRST® LEGO® League MALAYSIA 2017

Congratulations

韓 雪

Team #REVELES from SMJK Chung Ling, Ayer Itam, Pulau Pinang 1st Runner Up - Mechanical Design Award at the FIRST LEGO League (FLL) World Festival 2016 St. Louis, USA

UPCOMING CHALLENGE

5

Get ready. Get set. ROAR!

fll.sasbadi.com





What is FIRST®?

FIRST (For Inspiration and Recognition of Science and Technology) is a not-for-profit organisation devoted to help young people discover and develop a passion for science, technology, engineering, and math (STEM).

Vision

To transform our culture by creating a world where science and technology are celebrated and where young people dream of becoming science and technology leaders.

Mission

To inspire young people to be science and technology leaders, by engaging them in exciting mentor-based programmes that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.



FIRST LEGO League (FLL) is a project-based programme teaching students age 9 to 16 about science, technology, and collaborative working. FLL is a partnership between the non-profit organisation FIRST and the LEGO Group. It had its first season in 1998. Now over 230,000 students from 80 countries take part.

"We want to change the culture by celebrating the mind. We need to show kids that it's more fun to design and create a video game than it is to play one." (Dean Kamen, Founder of FIRST)

"FLL encourages children to design, construct, and programme their own intelligent inventions. This allows them not only to understand technology, but to become masters of it."

(Kjeld Kirk Kristiansen, Owner and Deputy Chairman of the LEGO Group)







The FIRST[®] LEGO[®] League 2016/2017 Challenge:



Get ready. Get set. Roar! Or you could bark, guack, or squeak, because the 2016/2017 ANIMAL ALLIES season is all about our furry, feathered, finned friend. In the 2016 FIRST LEGO League Challenge, more than 28,000 teams of students age 9 to 16* will look into the eyes of our ANIMAL ALLIES. What might become possible when we learn to help each other?

over 80 countries to think like scientists and engineers. During the ANIMAL ALLIES season, teams will choose and solve a real-world problem in the Project.

They will also build, test, and program an automonous robot using LEGO MINDSTORMS technology to solve a set of missions in the Robot Game. Throughout their experience, teams will operate under the FIRST LEGO League signature set of Core Values, celebrating discovery, teamwork, and Gracious Professionalism.

*Ages vary by country

Missions include:

- · Shipping shark in tank.
- · Distribute food to animals.
- · Guide cows to cow's cell to produce milk.
- · Release panda back into the wild.
- · Bring back bee to beehive for honey production.
- · Install a wheel prosthesis to disabled animals.

Teams will:

- Choose a topic they are passionate about and have always wanted to learn.
- Design a solution that makes the interaction better for animals, people, or both.
- · Share their solutions with others.
- Build, test, and program an autonomous robot using a LEGO MINDSTORMS set to solve mission on an obstacle course.

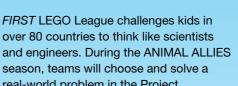
STEM INVENTION & INNOVATION 2017

The theme for STEM Invention & Innovation 2017 is 'Smart Furniture'. A smart furniture is an innovative furniture that is capable of functioning in different ways without consuming a lot of space and is easy to move around for reallocation. Teams are required to invent a furniture that is portable and is able to transform to serve multiple purposes while also saving space.

STEM Innovation & Invention is a platform to uncover talents in research and development, invention and innovation. It is also to develop and enhance students' intellectual capacity with respect to rational, critical and creative thinking. The competition is open to students age 9 to 14, and a team should comprises of 2 or 3 students and 1 teacher.











FLL 2015/16



We're not talking trash We're cleaning it up!

FLL 2015/16 WORLD FIGURES:

- · 233,136 children worldwide
- · 29,142 teams
- · 88+ countries
- · 8-week design, build, and research period
- · 66,000+ volunteers
- · Over 1,000 sponsors
- · 784 Qualifying Tournaments

FLL 2016 MALAYSIA FIGURES:

- 1,000 children nationwide
- · 89 teams
- 16 states
- · 8-week design, build, and research period
- · Over 40 judges & 100 volunteers
- Over 10 sponsors & partners
- 1 National Competition
- · 102 Championship Tournaments

- · 1 World Festival
- · 2 Open Championships



ABOUT FLL® 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 to up of 10 children, ages 9-16
- Adult coaches and mentors
- · Schools, home schools, churches, civic groups, neighbourhood 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





Getting Started:

- Research real-world challenge
- Deliver presentation project

TEAM ACTIVITIES

· Program robot

· Build autonomous robot

· Compete at sport-like tournament



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:

- robotic inventions
- the world today
- becoming more self-confident

Who can form a team?





· Investigate, strategize, design, build, programme, and test their

Search the web, talk to scientists, visit the library, and develop compelling research presentations which relate to a problem or opportunity facing

Develop employment and life skills including critical thinking, time management, collaboration, and communication while

Compete with peers in high energy sport-like tournaments

· The annual Challenge is revealed in early September

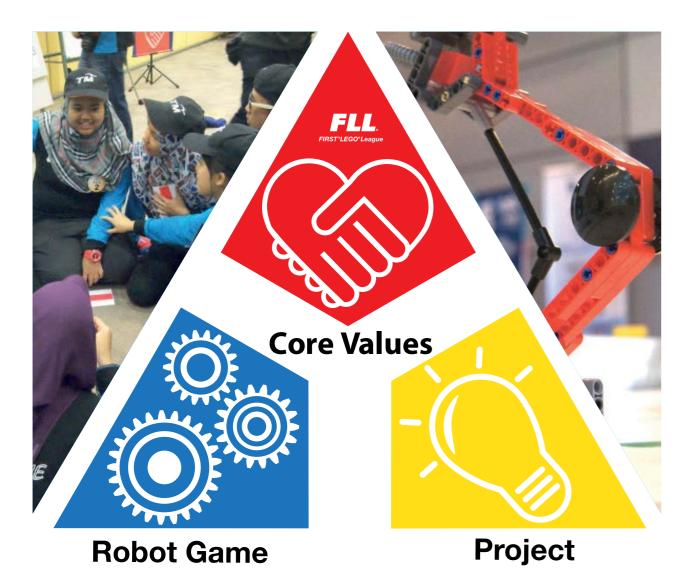
· A school classroom, after-school program, extracurricular group, learning centre, home school, neighbourhood group, club or civic organization

· Up to 10 children, ages 9-16, and at least one adult coach





THE THREE ESSENTIAL PARTS



A FIRST[®] LEGO[®] League Challange consists of three parts:

- · A research assignment called 'The Project' where students research and come up with innovative ideas for solving a defined, real world challenge.
- · A 'Robot Game' where students design and programme a LEGO MINDSTORMS robot to solve missions on a special obstacle course.
- · 'Core Values', the work process the students go through to obtain important life skills such as problem solving, critical thinking, creativity, and team-work.

2016 2015 NMAL Finding better ways to manage Making interactions better our trash 29,142 TEAMS with animals 2013 2012 Quality of life for seniors Exploring natural disasters 22,840 TEAMS 20.430 TEAMS 2009 2008 0 SMART MOVE Study and research of the climate Transforming transportation 13,705 TEAMS 14,725 TEAMS 2005 2004 Antica Health, diversity and productivity Address the needs of individuals of the world's ocean 7,501 TEAMS with disabilities 5,859 TEAMS 2001 2000

Predict the timing and nature

of volcano eruptions

1,540 TEAMS

Impact of global climate change

1.902 TEAMS





PD



THEMES (1998 - 2016)













1998 Pilot

RACE AGAINST TIME

Robots race through mazes **200 TEAMS**





FIRST[®] LEGO[®] LEAGUE (FLL[®]) WORLD FESTIVAL



SMK Bintulu, Bintulu, Sarawak Venue: Sydney, Australia Date: 3-5 July 2016

"With our team consisting of 7 boys and 3 girls, we structured our team in such a way that all of us can cooperate and accomplish tasks simultaneously without overloading ourselves. Three of us make up the Project team, researching, documenting and consummating the Waste Oil Transformer. Another five of us are in the Technical team, spending hours on end to complete the robot missions to accumulate the maximum amount of points attainable. Joining this competition was humbling, and it has opened our eyes towards the enormity that Mother Nature faces now due to our egoistic actions. As Julius Caesar once said. "Experience is the teacher of all things". Being crowned national champion and winning the Best Presentation Award at the Asia Pacific Open Championship has given all of us insurmountable knowledge that is both ubiquitous and worth its weight in gold."

FIRST[®] LEGO[®] LEAGUE WORLD FESTIVAL 2014

Winner of The Strategy & Innovation Award **1ST RUNNER-UP** Team name: JS Flawless

"The success of our team depended on the students' team work. commitment, time management, and problem solving skills. The success of a team is not only in gaining an award but also in the learning process experienced by the students. At the FLL World Festival in the USA, I was really proud and glad to see the students have a chance to compete with other teams from other countries whereby their knowledge has increased tremendously. Other than that, they also learnt cooperative, collaborative and communicative skills. They have acquired patience on top of passion, allowing them to persist until they have obtained satisfactory results through trial and error. I believe that this competition is definitely a stepping stone for students to be successful in their future career."

Ms. Wong Pei Funn. Coach for team JS Flawless. SMJK Jit Sin, Bukit Mertajam, Pulau Pinang

OPEN EUROPEAN CHAMPIONSHIP 2012



SMK Bintulu, Bintulu, Sarawak Venue: Mannheim, Germany Date: 6-9 June 2012

FLL World Festival is a culminating celebration of the FIRST LEGO League season, NOT a level of competition. Regions are selected by lottery to send their 1st Place Champion's Award-winning team to World Festival. World Festival is a beautiful mix of cultures and skill sets, a true celebration of FIRST LEGO League. The teams are often the Champion's Award team at the regional level with some other criteria including special nomination from FLL Operational Partners globally.

The award categories include Innovative Design Award, Quality Design Award, Programming Award, Research Quality Award, Innovative Solution Award, Creative Presentation Award, Teamwork Award, Team Spirit Awards, Against All Odds Awards, Outstanding Volunteer Awards, Adult Coach/Mentor Awards, Young Adult Mentor Awards, and Judges' Awards. The most notable awards are Champion's Award and Robot Performance Award.

FLL[®] FIRST[®] LEGO[®] LEAGUE WORLD FESTIVAL 2016



SMJK Chung Ling, Aver Itam, Pulau Pinang Venue: St. Louis, United States of America Date: 21-30 April 2016

Winner Of The Mechanical Design Award 1ST RUNNER-UP Team name: #REVELES

"Our team which consists of 10 person had brainstormed for more than 6 months to prepare the competition. Teammates that are honest, reliable, hard working, cooperative, integrity and courteous allow us to gain many experiences and success in the competition.

Throughout the competition, we have learned that it isn't all about winning, its about having fun together. We have discovered different ways to overcome those ups and downs we have faced throughout the journey to success. Members also feel thankful to each other for their contribution in the competition. We must also thank our mentors from the bottom of our hearts for their supportive guidance."

Mr. Lye Tuck Sing, Coach for team #REVELES, SMJK Chung Ling, Ayer Itam, Pulau Pinang





FLL® ASIA PACIFIC OPEN CHAMPIONSHIP 2016

Winner of The BEST PRESENTATION AWARD Team name: Bintulu Hawks

Mr. Ling Sim Hie & Ms. Yong Yee Yung, Coach for team Bintulu Hawks, SMK Bintulu, Bintulu, Sarawak



SMJK Jit Sin, Bukit Mertajam, Pulau Pinang Venue: St. Louis, United States of America Date: 21-30 April 2014

Winner of The CHAMPION'S AWARD Team name: Bintulu Hawks

"Judges around the world were caught by 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 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."





FLL[®] IN MALAYSIA

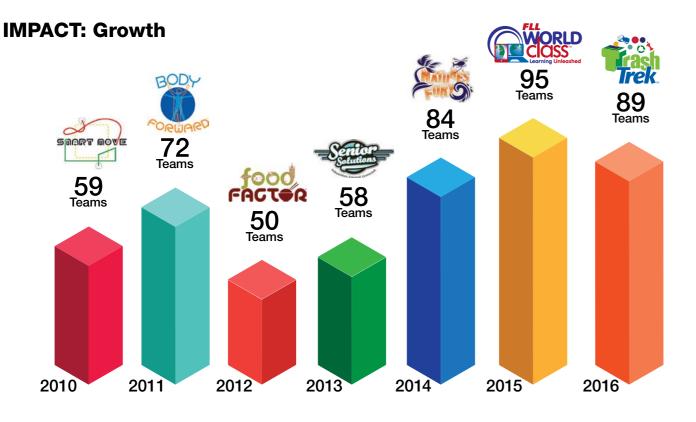


FLL Malavsia was held for the first time in year 2008 at Pusat Sains Negara. From 20 teams participating then in the inaugural competition, FLL Malaysia has seen a drastic increase of participants year after year. In the span of 9 years FLL Malaysia grew by leaps and bounds and by 2016, 89 teams took part in the competition.

FLL Malaysia is a programme in line with the Ministry of Education's effort through their future endeavours. Indeed, students. Participating in the FLL Malaysia's tomorrow for the better.

Malaysia provides children with a novel opportunity to gain strong grounding in robotics as well as the thinking, problem-solving and creative skills. The rich learning experience afforded by the competition is not only aligned with the Malaysian government's aspirations but also shapes the participants' future. The skill set being exposed to children will be deeply engraved as they take it with them to promote STEM amongst Malaysian's the FLL Malaysia is helping to shape

FLL Malaysia 2016 was successfully held at the Institut Pendidikan Guru Kampus Bahasa Melayu, Lembah Pantai, Kuala Lumpur on 27 - 29 May 2016. There were 89 teams of children aged 9 till 16 participated in the competition. The theme for 2016 -Trash Trek requires the teams to do research and solve real-world problems about the current system of trash and garbage disposal by proposing innovative ideas that can conserve and preserve the environment. These ideas are presented with an understanding and application of science, technology and robotics. Team Bintulu Hawk from S.M.K. Bintulu, Bintulu, Sarawak was announced as the Champion's Award - Gold winner.



Number of participating teams across 16 states in Malaysia



CHAMPION'S AWARD

SILVER

rek



FIRST[®] LEGO[®] LEAGUE MALAYSIA 2016 **AWARD WINNERS**

Institut Pendidikan Guru Kampus Bahasa Melayu, Lembah Pantai, W.P. Kuala Lumpur 27th to 29th May 2016











NEMESIS-X ASSASSIN CR8 PENANG, **PULAU PINANG**







OTHER AWARDS



PHANTOM-X ASSASSIN

CR8 Penang, Pulau Pinang



SILENT-X ASSASSIN CR8 Penang, Pulau Pinang



2nd Runner-Up

STEALTH-X ASSASSIN CR8 Penang, Pulau Pinang



SMK Seri Gombak, Gombak, Selangor



Maahad Tahfiz Negeri Pahang, Kuantan, Pahang

12



WISSENSCHAFT Hin Hua HIgh School, Klang, Selangor











PHOTO GALLERY

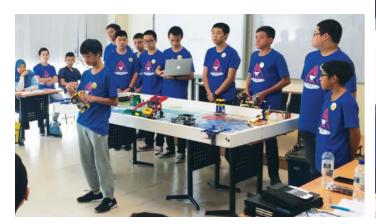
FIRST[®] LEGO[®] LEAGUE MALAYSIA 2016



Institut Pendidikan Guru Kampus Bahasa Melayu, Lembah Pantai, W.P. Kuala Lumpur 27th to 29th May 2016

PROJECT

Participating teams are required to choose a problem, research it, and design their own innovative solution to the problem. Each team will have 5 minutes to summarize their project in a presentation to the judges.









The Robot Performance Award recognizes teams that score the most points in the Robot Game. Winners will be determined by the number of points the robot scores during scheduled matches.









ROBOT DESIGN

For Robot Design Award, judges will review some parts of the programming. There may be a competition table with mission models and teams should be prepared to demonstrate their solution to at least one of the missions.



M Invention & Innovation

THEME: DAILY LIFE HACKER

Introduced for the first time in FLL Malaysia 2016, STEM Invention & Innovation Category requires teams to create innovative inventions by applying STEM knowledge & skills according to the theme.





















FIRST LEGO LEAGUE MALAYSIA

fll.sasbadi.com

CONGRATULATIONS TO THE **FLL®** MALAYSIA 2016 GRADUATES

| TEAM : JOBARIAN FORCE SMK TINGGI BATU PAHAT, BATU PAHAT, JOHOR TEAM : XENON MRSM BALING, BALING, KEDAH TEAM : 1 CHONG HWA INDEPENDENT HIGH SCHOOL, W.P. KUALA LUMPUR TEAM : CHKL SK CONVENT INFANT JESUS 1, MELAKA TEAM : JC BOT | TEAM : ASTRADSEAN CR8 ALOR SETAR, KEDAH TEAM : BUBALUS BUBALIS MRSM TUMPAT, TUMPAT, KELANTAN TEAM : EMARESEM TOO-4 SMK SEKSYEN 5, WANGSA MAJU, W.P. KUALA LUMPUR TEAM : SVIAN ROBOTIC TEAM KOLEJ YAYASAN SAAD, MELAKA TEAM : VENCEDORA | TEAM : STARBOT SM SULTAN ABDUL HALIM, JITRA, KEDAH TEAM : ROBOTER SENKRECHTSTARTER ASRAMA 1 MALAYSIA, W.P. KUALA LUMPUR TEAM : A1M PRINCE TELEKOM MALAYSIA BERHAD TEAM : SMK MUNSHI ABDULLAH ROBOCOM TEAM : ROBOCOM SUPREME | TEAM : INFINITY SMK IBRAHIM, SUNGAI PETANI, KEDAH TEAM : FINIS CORONUT OPU: CREATIVE MINDS TEAM : BUZZER BEATERS KUEN CHENG HIGH SCHOOL, W.P. KUALA LUMPUR TEAM : ECLIPSE LEGOCY SMJK HWA LIAN, MENTAKAB PAHANG TEAM : REVOLUTION EVOLUTIO DEFIANCE (RED) |
|--|--|---|---|
| BATU PAHAT, JOHOR TEAM : XENON MRSM BALING, BALING, KEDAH TEAM : 1 CHONG HWA INDEPENDENT HIGH SCHOOL, W.P. KUALA LUMPUR TEAM : CHKL SK CONVENT INFANT JESUS 1, MELAKA TEAM : JC BOT | KEDAH TEAM : BUBALUS BUBALIS MRSM TUMPAT, TUMPAT, KELANTAN TEAM : EMARESEM TOO-4 SMK SEKSYEN 5, WANGSA MAJU, W.P. KUALA LUMPUR TEAM : SVIAN ROBOTIC TEAM KOLEJ YAYASAN SAAD, MELAKA | JITRA, KEDAH TEAM : ROBOTER SENKRECHTSTARTER ASRAMA 1 MALAYSIA, W.P. KUALA LUMPUR TEAM : A1M PRINCE TELEKOM MALAYSIA BERHAD TEAM : SMK MUNSHI ABDULLAH | SUNGAI PETANI, KEDAH TEAM : FINIS CORONUT OPUS CREATIVE MINDS TEAM : BUZZER BEATERS KUEN CHENG HIGH SCHOOL W.P. KUALA LUMPUR TEAM : ECLIPSE LEGOCY SMJK HWA LIAN, MENTAKAB PAHANG TEAM : REVOLUTION EVOLUTIO |
| MRSM BALING, BALING, KEDAH TEAM : 1 CHONG HWA INDEPENDENT HIGH SCHOOL, W.P. KUALA LUMPUR TEAM : CHKL SK CONVENT INFANT JESUS 1, MELAKA TEAM : JC BOT | MRSM TUMPAT, TUMPAT, KELANTAN TEAM : EMARESEM TOO-4 SMK SEKSYEN 5, WANGSA MAJU, W.P. KUALA LUMPUR TEAM : SVIAN ROBOTIC TEAM KOLEJ YAYASAN SAAD, MELAKA TEAM : VENCEDORA | ASRAMA 1 MALAYSIA, W.P. KUALA LUMPUR TEAM : A1M PRINCE TELEKOM MALAYSIA BERHAD TEAM : SMK MUNSHI ABDULLAH ROBOCOM | CREATIVE MINDS TEAM : BUZZER BEATERS KUEN CHENG HIGH SCHOOL, W.P. KUALA LUMPUR TEAM : ECLIPSE LEGOCY SMJK HWA LIAN, MENTAKAB PAHANG TEAM : REVOLUTION EVOLUTIO |
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| SCHOOL, W.P. KUALA LUMPUR TEAM : CHKL SK CONVENT INFANT JESUS 1, MELAKA TEAM : JC BOT | W.P. KUALA LUMPUR TEAM : SVIAN ROBOTIC TEAM KOLEJ YAYASAN SAAD, MELAKA TEAM : VENCEDORA | TEAM : SMK MUNSHI ABDULLAH ROBOCOM | W.P. KUALA LUMPUR TEAM : ECLIPSE LEGOCY SMJK HWA LIAN, MENTAKAE PAHANG TEAM : REVOLUTION EVOLUTI |
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| SK CONVENT INFANT JESUS 1, MELAKA TEAM : JC BOT | KOLEJ YAYASAN SAAD, MELAKA TEAM : VENCEDORA | ROBOCOM | SMJK HWA LIAN, MENTAKAE PAHANG TEAM : REVOLUTION EVOLUTI |
| MELAKA TEAM : JC BOT | MELAKA TEAM : VENCEDORA | | PAHANG TEAM : REVOLUTION EVOLUTIO |
| MELAKA TEAM : JC BOT | MELAKA TEAM : VENCEDORA | | PAHANG TEAM : REVOLUTION EVOLUTIO |
| | | TEAM : ROBOCOM SUPREME | |
| | | | |
| | | | |
| TECHTRONIC | CR8 PENANG | SMK SERI MANJUNG, SERI MANJUNG, PERAK | SJKC HUA LIAN 3, TAIPING, PERAK |
| TEAM : VICTORY | TEAM : STEALTH-X ASSASSIN | TEAM : TRIPLE B | TEAM : THE HL3 |
| SMJK HUA LIAN, TAIPING, PERAK | SK SERI AMPANG, IPOH, PERAK | ROBOTOP EDUCATIONALIST | SJKC KWANG HUA, SUNGAI NIBONG, PULAU PINA |
| TEAM : HUA LIAN | TEAM : IGO D'SAINS | TEAM : ROBOTOP | TEAM : SUN RIDER |
| | | | |
| HAN CHIANG HIGH SCHOOL, GEORGETOWN, PULAU PINANG | SMJK PHOR TAY, BAYAN LEPAS, PULAU PINANG | SMK TAMAN PERWIRA, BUKIT MERTAJAM, PULAU PINANG | SJKC CHONG CHENG, RELAU, PULAU PINANG |
| TEAM : TEAM INSPIRE | TEAM : PEKKA | TEAM : TEAM PERWIRA | TEAM : CCR TEAM |
| | | | |
| SMK BERAPIT, BUKIT MERTAJAM, PULAU PINANG | SMJK CHUNG LING, AYER ITAM, PULAU PINANG | SM SAINS KEPALA BATAS, KEPALA BATAS, PULAU PINANG | SMJK CHUNG LING, BUTTERWORTH, PULAU PINAN |
| TEAM : BERAPIT LIONS | TEAM : IMMACULACY | TEAM : SWAT TEAM | TEAM : ROBODES |
| | | | |
| ROBOTS2U LEARNING CENTRE | SMK SIMPANG EMPAT, SIMPANG AMPAT, PULAU PINANG | SK BUKIT GAMBIR, GEORGETOWN, PULAU PINANG | SMK PENANG FREE, GEORGETOWN, PULAU PINAN |
| TEAM : IBOTZ | TEAM : BIONICLE HEROES | TEAM : BOYS OF HILL | TEAM : ROBOFREES |
| SMK CONVENT LEBUH LIGHT, GEORGETOWN, PULAU PINANG | SK PERMATANG TOK MAHAT, NIBONG TEBAL, PULAU PINANG | CR8 SABAH | SMK BINTULU, BINTULU, SARAWAK |
| TEAM : COLISTRIAN | TEAM : CATALYZER | TEAM : THE UNIQUE LEGEND OF US | TEAM : BINTULU HAWKS |
| SK BUKIT RAHMAN PUTRA, | SMK SERI GOMBAK, | SMK DARUL EHSAN, | EDU360 ACADEMY |
| GOMBAK, SELANGOR TEAM : PUTRA ROBOTIC TEAM | GOMBAK, SELANGOR TEAM : SMKSG ASSIDUOUS | BATU CAVES, SELANGOR TEAM : EHSAN MECHATRONICS | TEAM : GEN3SIS |



TEAM : ELITE REC'S

TEAM : HAZARDOUS HACKERS





HOW TO PARTICIPATE IN FLL[®] Malaysia

OFFICIAL COMPETITION KIT



FORM A TEAM

A team is made up of 2 to 10 students and a Coach (two Coaches are also possible). Team members can come from different schools and ages, but they must be within the age of 9 and 16. The FLL is open to students from all types of schools - national, private, international, and etc. The Coach must be an adult and may be a teacher, professor, parent, college student, or even an ex-FLL participant.



GET THE KIT

The LEGO MINDSTORMS robotics set is required for the Robot Game. It is recommended for teams to have at least two robotics sets to allow more flexibility when testing different robot designs. The LEGO MIDSTORMS set can be purchased from Sasbadi.



All participating teams must register with Sasbadi. Fill up the registration form and submit it to Sasbadi before the registration deadline. Participation is limited and registration is on a first-come, first-served basis. Please refer to the registration form for one more information.



The Challenge kit will be delivered to registered teams for practice. There will be ample time for teams to work on the Project and to practice on the Robot Game. The Challenge will be the same as the one in real competition day.

BE THERE

The event will be held at a local venue. All teams will gather and compete at the national level competition for three days. Please refer to Sasbadi for venue information and competition date.

> For additional information, please contact Sasbadi or visit:

> > fll.sasbadi.com





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