

ด่วนที่สุด

ที่ ศธ ๐๔๐๐๘/๒๕๖๖



สำนักงานคณะกรรมการการศึกษาขั้นพื้นฐาน
กระทรวงศึกษาธิการ กทม. ๑๐๓๐๐

๒๒ กุมภาพันธ์ ๒๕๖๖

เรื่อง การแข่งขัน Young Inventors Challenge (YIC) 2019

เรียน ผู้อำนวยการสำนักงานเขตพื้นที่การศึกษา

สิ่งที่ส่งมาด้วย รายละเอียดการแข่งขัน Young Inventors Challenge (YIC) 2019 จำนวน ๑ ฉบับ

ด้วย กระทรวงการต่างประเทศแจ้งว่า สมาคมวิทยาศาสตร์ เทคโนโลยีและนวัตกรรม สหพันธรัฐมาเลเซีย (Association of Science, Technology and Innovation – ASTI) ได้เชิญชวนนักเรียน ระดับมัธยมศึกษาจากประเทศไทย ที่มีอายุระหว่าง ๑๓ - ๑๗ ปี ทีมละ ๔ - ๕ คน เข้าร่วมการแข่งขัน Young Inventors Challenge (YIC) 2019 ในหัวข้อ “Sustainable Development Goal 12 : Responsible Consumption and Production” ซึ่งเป็นการแข่งขันคิดค้นนวัตกรรมเพื่อตอบโจทย์เป้าหมายการพัฒนาที่ยั่งยืน ของสหประชาชาติ เป้าหมายที่ ๑๒ การผลิตและการบริโภคที่ยั่งยืน โดยการแข่งขันแบ่งออกเป็น ๓ ระยะ ได้แก่

ระยะที่ ๑ : ทีมผู้เข้าแข่งขันนำส่งข้อเสนอแนวคิดนวัตกรรมภายในวันที่ ๒๘ มีนาคม ๒๕๖๖

โดยสมาคมจะประกาศรายชื่อทีมที่เข้ารอบในวันที่ ๘ พฤษภาคม ๒๕๖๖

ระยะที่ ๒ : ทีมที่เข้ารอบจะได้รับการฝึกอบรมผ่านวิดีโอออนไลน์ ระหว่างเดือนพฤษภาคม - มิถุนายน ๒๕๖๖

ระยะที่ ๓ : การแข่งขันรอบชิงชนะเลิศที่ประเทศมาเลเซียในเดือนกันยายน ๒๕๖๖

ในการนี้ สำนักงานคณะกรรมการการศึกษาขั้นพื้นฐาน พิจารณาเห็นว่ากิจกรรมดังกล่าว เป็นการแสดงถึงศักยภาพความคิดสร้างสรรค์เกี่ยวกับการคิดค้นนวัตกรรมสิ่งประดิษฐ์ ซึ่งเป็นประโยชน์ และประสบการณ์ที่ดีต่อนักเรียน จึงเห็นสมควรประชาสัมพันธ์เชิญชวนนักเรียนระดับมัธยมศึกษา ในสังกัดสำนักงานเขตพื้นที่การศึกษาที่สนใจ เข้าร่วมการแข่งขันคิดค้นนวัตกรรม Young Inventors Challenge (YIC) 2019 ในหัวข้อ “Sustainable Development Goal 12 : Responsible Consumption and Production” โดยสมัครใจ ทั้งนี้ สามารถขอรับข้อมูลเพิ่มเติมและส่งใบสมัครเข้าร่วมแข่งขันได้ที่ Ms. Vinitha Vasu ไปรษณีย์อิเล็กทรอนิกส์ yic2510@gmail.com หมายเลขโทรศัพท์ +๖๐๓ ๗๘๗๗ ๘๕๗๑ และ +๖๐๓ ๗๘๖๕ ๕๕๕๗ หรือดูรายละเอียดเกี่ยวกับการจัดการแข่งขันเพิ่มเติมได้ที่ www.asti.org.my ภายในวันที่ ๒๘ กุมภาพันธ์ ๒๕๖๖ รายละเอียดดังสิ่งที่ส่งมาด้วย

จึงเรียนมาเพื่อทราบและประชาสัมพันธ์ให้สถานศึกษาในสังกัดทราบต่อไป

ขอแสดงความนับถือ

(นายพีระ รัตทวีจร)

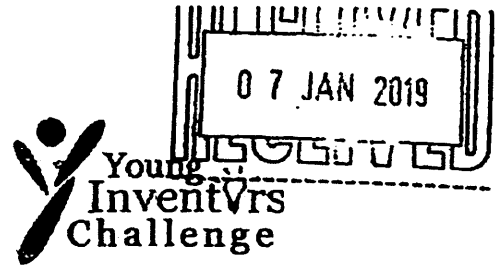
รองปลัดกระทรวงศึกษาธิการ รักษาการแทน
รองเลขาธิการคณะกรรมการการศึกษาขั้นพื้นฐาน รักษาการแทน
เลขาธิการคณะกรรมการการศึกษาขั้นพื้นฐาน

สำนักพัฒนานวัตกรรมการจัดการศึกษา

โทร. ๐ ๒๒๘๘ ๕๘๘๕



Pertubuhan Sains, Teknologi dan Inovasi
(PPM-012-10-25102012)
No.16A, Jalan 21/12, Sea Park, 46300 Petaling Jaya, Selangor
Tel: 03-78778571/03-78655557
Email: yic2510@gmail.com Website: www.asti.org.my



26 December 2018

**THE AMBASSADOR
ROYAL THAI EMBASSY
206 JALAN AMPANG,
50450 KUALA LUMPUR**

Your Excellency,

RE: INVITATION TO PARTICIPATE IN YOUNG INVENTORS CHALLENGE (YIC) 2019

With great pleasure, on behalf of Association of Science, Technology and Innovation (ASTI), I would like to cordially invite students from secondary schools from your country to take part in Young Inventors Challenge 2019. The challenge is team based and the team members can be comprised from more than 1 school.

The Association of Science, Technology and Innovation (ASTI) is a non-governmental organization (NGO) and also non-profit oriented organization working towards empowering young children through various projects such as Science Fair for Young Children (SFYC), Young Inventors Challenge (YIC), Creative and Critical Thinking Camp (CCTC), ASTI Leap Challenge (ALC), "On the Wings of Fire Series" and ASTI outreach programmes. Please refer to our website www.asti.org.my for more information regarding our projects.

YIC requires teams of up to 4-5 members to put their minds together and come up with an invention. The purpose of the programme is to build and encourage the creative and inventive capability of young people. We started this programme in 2013 as a pilot and the response have been remarkable ever since i.e. we have been growing at almost 100 percent year on year.

In 2018, we promoted the competition to all the Malaysian Schools and ASEAN Countries through embassies and our previous participants. The theme was kept the same as "*INVENTIONS TO SERVE...*" This project was implemented in 3 phases: **Phase One:** The student's proposal submission, we received 634 applications of which 438 teams submitted various invention proposals. **Phase Two:** Online Students Training session for selected participants, the shortlisted teams were given online training with 5 videos. And the Young Inventors Challenge 2018 Grand Finale was held on the 22 September 2018, CIDB convention Centre where a total of 126 teams participated from all over Malaysia, Philippines, Thailand, Singapore, Indonesia and China.

This year, YIC 2019 will be our 7th year and we would like to expand the competition even wider to invite more teams from Malaysia and ASEAN Countries. The theme for this year is "*Sustainable Development Goal 12: Responsible Consumption and Production*" and the details of the competition and guidelines for participation are given in flyers attached with this letter.

On behalf of ASTI, I'm hoping that you could disseminate this information to the schools and looking forward for your positive response and participations towards the success of Young Inventors Challenge 2019.

Yours Sincerely,

Mr. Anandan Shanmugam
Project Director
YIC 2019

Science, Technology and Innovation in Action

Wiwah.
oh
9/11



Pertubuhan Sains, Teknologi dan Inovasi
 (PPM-012-10-25102012)
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 Email: yic2510@gmail.com Website: www.asti.org.my



7 January 2019

PENGETUA/PRINCIPAL,

Dear Sir/Madam,

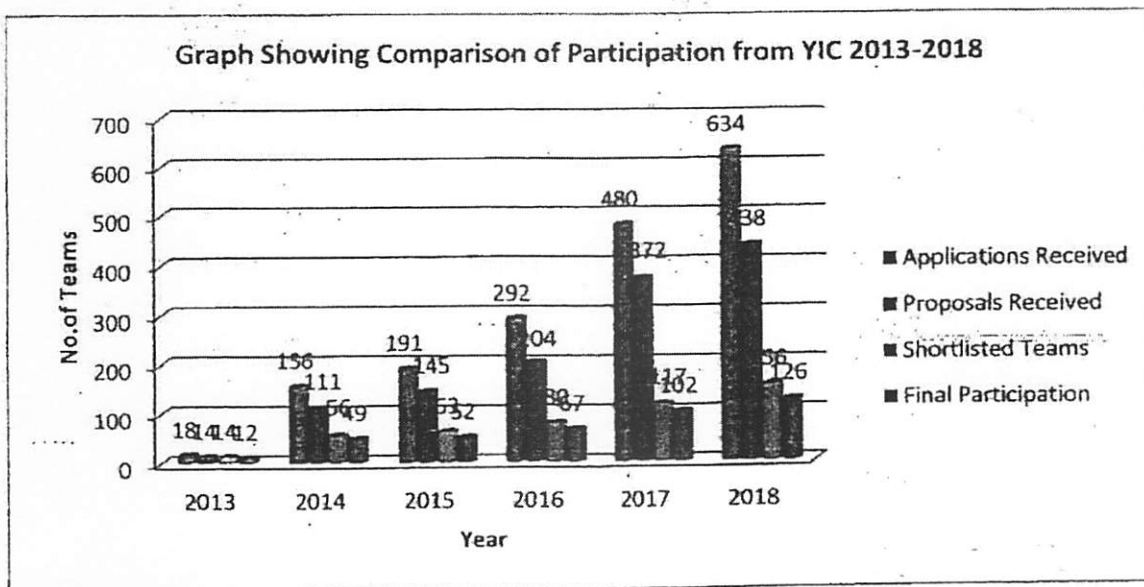
RE: INVITATION TO PARTICIPATE IN YOUNG INVENTORS CHALLENGE (YIC) 2019

It is with great pleasure, on behalf of Association of Science, Technology and Innovation (ASTI), I would cordially invite students from your schools to take part in Young Inventors Challenge 2019. The challenge is team based and the team members can come from more than 1 school. The prestigious event is based on proposals received, and the shortlisted best proposals will be chosen by more than 100 expert judges. These teams will be invited to participate in the grand finale.

The Association of Science, Technology and Innovation (ASTI) is a non-governmental organization (NGO), and also a non-profit oriented organization working towards empowering young children through various projects such as Science Fair for Young Children (SFYC), Young Inventors Challenge (YIC), Creative and Critical Thinking Camp (CCTC), ASTI Leap Challenge (ALC), "On the Wings of Fire Series" and ASTI outreach programmes. Please refer to our website www.asti.org.my for more information regarding our projects.

Young Inventors Challenge (YIC) requires teams of up to 4-5 secondary school students to put their minds together and come up with an invention. The purpose of the programme is to build and encourage the creative and inventive capabilities of our young people.

We started this program in 2013 as a pilot, and the response thus far has been remarkable as we have been growing at almost 100percent year on year as shown in the graph below:



This coming year, YIC 2019 will be our 7th year and we would like to expand the competition even wider to invite more teams from various Asian countries. The theme for this year is **"SUSTAINABLE DEVELOPMENT GOALS 12: RESPONSIBLE CONSUMPTION AND PRODUCTION"** and the guidelines for participation are as shown below:

Step 1: Form a Team of 4 or 5 people

Step 2: Email (yic2510@gmail.com) /Fax (03-7872 9551) your team's details with the following information by the 28 February 2019

SCHOOL NAME & STATE:		
TEAM NAME:		
MENTOR/TEACHER NAME:		
MENTOR/TEACHER CONTACT NUMBER:		
MENTOR/TEACHER EMAIL ID:		
NO	PARTICIPANT'S NAME	IC NUMBER/PASSPORT NUMBER
1		
2		
3		
4		
5		

Step 3: ASTI emails out Young Inventors Challenge Students Manual and Proposal Writing Online Video

Step 4: Develop the invention proposal based on the Students Manual and Proposal Writing Online Video

Step 5: Submit invention proposal to ASTI by the 28 March 2019

Step 6: Shortlisted teams will be notified via email by 8 May 2019 and required to pay commitment fee of USD 100 per team within 2 weeks of the notification. (Booth and food will be provided for all the participants). (The reason we are requesting for commitment fee is because YIC 2018, 10 teams did not turn up on the event day without any notification after all the preparations were done.)

Step 7: Shortlisted teams will be guided with Online Training May –June 2019

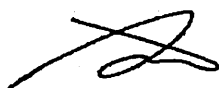
Step 8: 3 months to develop inventions

Step 9: Inventions prototype showcased at the Grand Finale in September 2019

Please refer to attached Young Inventors Challenge Flyers for more information. If you are interested to take part, reply to us with the details of teams and participants as per table above in Step 2 by the 28 February 2019. Your school can submit as many proposals as you like (but 1 team, 1 proposal only).

On behalf of ASTI, we are hoping that you could disseminate this information to your teachers and we look forward to your positive response and participations.

Yours Sincerely,



Mr. Anandan Shanmugam
Project Director
YIC 2019

Yours sincerely,



Dr. Mohamed Yunus bin Mohamed Yasin
President
ASTI

HOW TO PARTICIPATE?

Form a Team of 4 or 5 people

Email (yic2510@gmail.com) / Fax (603-7872 9551) your team's details by the **28 February 2019**

ASTI emails out Young Inventors Challenge Students Manual and Proposal Writing Online Video

Develop the invention proposal based on the Students Manual and Proposal Writing Online Video

Submit invention proposal to ASTI by the **28 March 2019**

Shortlisted teams will be notified via email by **8 May 2019** and required to pay commitment fee of USD 100 per team within 2 weeks of the notification.
(Booth and Food will be provided for all the participants)

Shortlisted teams will be guided with Online Training **May – June 2019**

3 months to develop inventions

Inventions prototype showcased at the Grand Finale in **September 2019**



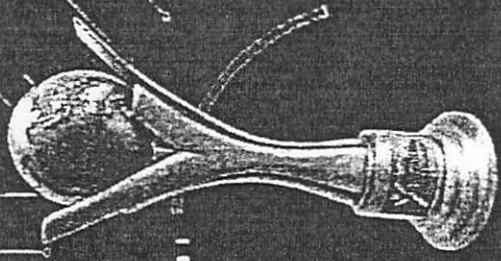
For further details, kindly contact:

Ms. Vanilha Vasu

Association of Science, Technology and Innovation (ASTI)

No.16A, Jalan 21/12, Sea Park, 46300 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-7877 8571 / 03-7865 5557 Fax: 03-7872 9551 Email: yic2510@gmail.com

www.asti.org.my



Young Inventors Challenge 2019

Theme:

**"Sustainable Development Goals 12:
Responsible Consumption and Production"**

The Competition...

The **Young Inventors Challenge 2019** is our 7th Invention/Innovation competition which aims to encourage secondary school students aged between 13-17 to cooperate as a team (4-5 students) to find innovative solutions to current-day problems.

Additionally there are 2 competitions, a written report and a short video competition if there are any interest.

The Organizer...

Association of Science, Technology and Innovation (ASTI) is a non-governmental organization (NGO) and also a non-profit oriented organization working towards empowering young children through various projects such as **Science Fair for Young Children (SFYC)**, **Young Inventors Challenge (YIC)**, **Creative and Critical Thinking Camp (CCTC)**, **ASTI Leap Challenge (ALC)**, **Wings of Fire Series** and **ASTI outreach programmes**.

The Objective...

- To develop future inventors/innovators.
- To give an opportunity to young and future inventors/innovators to develop and showcase their inventions/innovations.
- To help young inventors/innovators to experience the inventive cycle, from conceptualisation to product/prototype.
- To introduce the idea of "using inventions/innovations as a tool to make a positive change in society".
- To give opportunities to young people who are inventive to promote their ideas to the outside world.

The Awards...

- 3 Best Proposals will receive RM 500, RM 300 and RM 200 respectively
- 1 X Platinum Award - RM 2500 with Certificates, medals and Challenge Trophy
- 2 X Gold Awards -RM 2000 each with Certificates and medals
- 3 X Silver Awards -RM 1500 each with Certificates and medals
- 4 X Bronze Awards-RM 1000 each with Certificates and medals
- All participants will be awarded a Certificate of Participation.

Who Can Participate?

- Secondary school students aged between 13 and 17 or Form 1 to 5.
- A team of 4 – 5 young people.
- Teams made up of different races & cultures are highly encouraged
- Able to write a proposal and do presentation in the English Language.

What TEAMS have to do?

The United Nation's Sustainable Development Goals (SDG) are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including those related to poverty, inequality, climate, environmental degradation, prosperity, and peace and justice. There are 17 SDG all together. GOAL No.12 speaks about "Responsible Consumption and Production". Waste in all forms has been a global issue. Refer to: <https://www.un.org/sustainabledevelopment/sustainable-consumption-production/>

This year's YIC theme is; Invention to address issues discussed in SDG No.12. You are required to invent a product and/ or process and /or experiments that is able to provide a resolution in some form and has an impact on SDG 12. Participants are required to innovate and aim to produce a working prototype, experiment and/ or a scaled model. A report write-up and a video presentation is also required to ascertain the commercial viability of the participant's invention.