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Republic of the Philippines
Department of Education
OFFICE OF THE UNDERSECRETARY FOR CURRICULUM AND INSTRUCTION

ADVISORY

March 14, 2022

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2022 YOUNG INVENTORS CHALLENGE SPECIAL EDITION

The **Association of Science, Technology and Innovation (ASTI)** of Malaysia, as conveyed by the **Department of Foreign Affairs and the Philippine Embassy in Kuala Lumpur**, invites Philippine schools for the **2022 Inventors Challenge (YIC) Special Edition**. ASTI is a non-government and non-profit organization which aims to empower young children's interest in science through discovering scientific principles by themselves. YIC aims to encourage secondary school students aged 13 to 17 to cooperate as a team to find innovative solutions to current day problems. This year's theme is "**Sustainable Development Goals (SDGs)**".

The online submission of entries of participating teams for the 2022 YIC is on **April 30, 2022**. Submissions may be coursed through this link: <https://forms.gle/BR1KJRJUQiAnuAst5>.

More information on the ASTI's 2022 Inventors Challenge can be found in the attached flyer and forms. For further details and inquiries about the program, interested participants may access the ASTI website via <https://www.asti.org.my/yic2022/> or email through yic2510@gmail.com.

DIOSDADO M. SAN ANTONIO
Undersecretary for Curriculum and Instruction



Theme:

“Sustainable Development Goals (SDGs)”

The Competition

The Young Inventors Challenge 2022 Special Edition (YIC 2022) is our 10th Innovation/Invention competition which aims to encourage secondary school students aged 13 - 17 to cooperate as a team (2-5 students) to find innovative solutions to current day problems. As the organizers of the YIC, ASTI (Association of Science Technology and Innovation), would like to continue with Young Inventors Challenge Special Edition for the 3rd year in 2022, due to the uncertain situation of Covid-19 pandemic and travel restrictions. Therefore, YIC 2022 will be conducted Online via Proposal Submission, Invention Pitch Video and Report Submission.

The Objective

The objectives of YIC are:

- To develop future inventors.
- To give an opportunity to young and future inventors to develop and present their inventions.
- To help and train young inventors to experience the inventive cycle, from conceptualisation to product/prototype.
- To introduce the idea of "using inventions as a means to make a positive change in society".
- To train young people in Problem Identification and Solution finding.

The Benefits to the Participants

By participating in YIC, the participants would also:

- Produce an original invention and receive recognition for participating in the event.
- Develop creative and innovative thinking skills.
- Develop teamwork dynamics to solve problems.
- Use resources such as the internet, library and experts to hone their research skills.
- Learn to document their invention project.
- Enhance self-esteem and confidence.
- Acquire public presentation and writing skills.

Who Can Participate?

- Young people aged between 13 and 17 (Form 1 to 5).
- A team consisting of 2 - 5 young people.
- Teams made up of different cultural background (Highly Encouraged).

The Awards

- 1 X Platinum Award - RM 2500 with Digital Certificates
- 2 X Gold Awards - RM 1500 each with Digital Certificates
- 7 X Silver Awards - RM 750 each with Digital Certificates
- 10 X Bronze Awards - RM 400 each with Digital Certificates
- All participants will be awarded a Digital Certificates of Participation.

What the TERMS have to do?

The United Nations Sustainable Development Goals (SDGs) are the blueprint to achieve a better and more sustainable future for all. They address the global challenges that we are facing, including those related to poverty, inequality, climate, environmental degradation, prosperity, peace and justice and many more. There are 17 SDGs.

This year's YIC theme is: Invention to address issues discussed in Sustainable Development Goals (SDGs). You are required to invent a product and/or process that is able to provide resolution to a certain level, and have an impact on Sustainable Development Goals (SDGs).

Participants are required to innovate and produce a working prototype and/or a working scaled model. A report and pitch video are also required with the aim to commercialize or to put in practice the invention.



<https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

How to Participate?

- 1 **30 April 2022**
Form a Team of 2 to 5 people aged 13-17 years old and Submit Registration via google form link (<https://forms.gle/BRIKJRJUCIAnuASf5>) or email registration form to yic2510@gmail.com
- 2 **30 April - 27 May 2022**
ASTI emails out Young Inventors Challenge Students Manual and Proposal Writing Guidelines. Develop the Invention Proposal following the format given in the Students Manual and Proposal Writing Guidelines.
- 3 **27 MAY 2022**
Submit invention proposal via google form link (<https://forms.gle/K9WYUD7p8UarcoXVA>) or email to yic2510@gmail.com
- 4 **Mid JUNE 2022**
Shortlisted teams will be notified via email
- 5 **JUN - AUG 2022**
Shortlisted teams will be guided with Online Training from
- 6 **JUL - AUG 2022**
2 months to develop "Working Prototype"
- 7 **26 AUG 2022**
Shortlisted Teams submits
1) Invention Pitch Video 2) Project Report
- 8 **Mid OCT 2022**
Viva session with the top 20 teams
- 9 **NOV 2022**
Winners Announcement Online Live Event

For Registration and More Details Please Visit:
www.asti.org.my/yic2022

For further details, kindly contact Ms. Vanitha Vasu via email to yic2510@gmail.com or WhatsApp to 014-7124217

Young Inventors Challenge Proposal Format	
State/Country:	
School Name:	
Team Name:	
Team Members Name:	
Your Invention addresses which SDG? Please select (✓) the appropriate box (You can select more than 1)	<input type="checkbox"/> 1. No Poverty <input type="checkbox"/> 2. Zero Hunger <input type="checkbox"/> 3. Good Health and Well-being <input type="checkbox"/> 4. Quality Education <input type="checkbox"/> 5. Gender Equality <input type="checkbox"/> 6. Clean Water and Sanitation <input type="checkbox"/> 7. Affordable and Clean Energy <input type="checkbox"/> 8. Decent Work and Economic Growth <input type="checkbox"/> 9. Industry, Innovation, and Infrastructure <input type="checkbox"/> 10. Reducing Inequality <input type="checkbox"/> 11. Sustainable Cities and Communities <input type="checkbox"/> 12. Responsible Consumption and Production <input type="checkbox"/> 13. Climate Action <input type="checkbox"/> 14. Life Below Water <input type="checkbox"/> 15. Life On Land <input type="checkbox"/> 16. Peace, Justice, and Strong Institutions <input type="checkbox"/> 17. Partnerships for the Goals
Title of Invention:	Give your invention/innovation a short name/title.
Objectives:	What problem are you solving? What value are you adding? Briefly describe.
Theme:	Briefly explain how your invention/innovation relates to the theme?
Originality:	Your invention/ innovation must be original. Plagiarism will be penalised or disqualified.
Description:	Describe how your invention/innovation meets your objectives and how it would be implemented in a practical application. Describe the usefulness of your invention/innovation. You may present your description in simple point form. Describe how your proposed solution based on scientific evidence or scientific fundamentals.
Drawings:	Your drawings must be simple line drawings that clearly illustrate your invention/innovation.

Based on the gathered information, prepare a proposal based on the following guidelines:

1. Number of pages: Strictly not exceeding 5 pages including diagrams and references
2. Paper size: A4
3. Font type: Times New Roman
4. Font size: 12 points

YOUNG INVENTORS CHALLENGE 2022 (YIC 2022)

REGISTRATION FORM

COUNTRY:		
STATE:		
SCHOOL NAME WITH FULL ADDRESS:		
TEAM NAME:		
MENTOR/TEACHER NAME:		
MENTOR/TEACHER CONTACT NUMBER:		
MENTOR/TEACHER EMAIL ID:		
NO	PARTICIPANT'S NAME	AGE

COMPLETE THIS FORM AND EMAIL TO

yic2510@gmail.com

Below are the guidelines for participation as shown below:

Steps	Activities	Deadlines
Step 1	Form a Team of 2 to 5 people aged 13-17 years old and Submit Registration via google form link (https://forms.gle/BR1KJRJUQiAnuAST5) or email registration form to yic2510@gmail.com	30 April 2022
Step 2	ASTI emails out Young Inventors Challenge Students Manual and Proposal Writing Guidelines. Develop the Invention Proposal following the format given in the Students Manual and Proposal Writing Guidelines.	30 April-27 May 2022
Step 3	Submit invention proposal via google form link (https://forms.gle/K9WYUD7p8UorcoXVA) or email to yic2510@gmail.com	27 May 2022
Step 4	Shortlisted teams will be notified via email	Mid - June 2022
Step 5	Shortlisted teams will be guided with Online Training	June - August 2022
Step 6	2 months to develop "Working Prototype"	July - August 2022
Step 7	Shortlisted Teams submits 1) Invention Pitch Video 2) Project Report	26 August 2022
Step 8	Viva session with the top 20 teams	Mid October 2022
Step 9	Winners Announcement Online Live Event	November 2022