



MOST PARTICIPANTS IN AN
INTERNATIONAL 'STEM' COMPETITION 2025

MALAYSIA YOUNG SCIENTISTS ORGANISATION
PERTUBUHAN SAINTIS MUDA MALAYSIA



**WORLD YOUTH STEM
INVENTION INNOVATION**

29 January 2026 - 2 February 2026 Al-Meroz Hotel, Bangkok



INNOVATE FOR FUTURE COMMUNITY



ABOUT US

The Malaysia Young Scientists Organisation was established on March 23, 2017.
Registration Certificate Number:
PPM-023-14-23032017

UNIVERSITIES THAT HAVE SIGNED MOU'S AND COLLABORATED



UTeM
UNIVERSITI
TEKNIKAL
MELAKA
الجامعة
الهندسية
الماليزية
الملكية



PPM-023-14-23032017
Tarikh: 23 Mac 2017

Setiausaha
PERTUBUHAN SANTIS MUDA MALAYSIA (MALAYSIA YOUNG SCIENTISTS
ORGANISATION)(MYSO)
ROYAL MILITARY COLLEGE, KEM PERDANA SUNGAI BESI
57000
WILAYAH PERSEKUTUAN KUALA LUMPUR

Tuan Penan

PENDAFTARAN DI BAWAH AKTA PERTUBUHAN 1966
NAMA PERTUBUHAN: PERTUBUHAN SANTIS MUDA MALAYSIA (MALAYSIA YOUNG
SCIENTISTS ORGANISATION)(MYSO)

Selacut saya membuatkan bahanah Jelotan ini meluluskan pendirian pertubuhan di atas

2. Berdasarkan surat siasatan dan surat selamat Undang-Undang
Tunduk bagi pertubuhan tersebut. Kedua-dua dokumen ini berdasarkan surat yang
dikirimkan pada tarikh 23 Mac 2017 dan surat ini adalah undang-undang berdaftar bagi pertubuhan
ini. Oleh itu, pertubuhan ini hendaklah diakui sebagai pertubuhan yang teknologi
di dalam undang-undang rohul tersebut.

3. Tumpuan perencanaan pertubuhan adalah bertanggungjawab untuk memahami dan
menyelesaikan semua tuntutan Akta Pertubuhan 1966 dan Peraturan-Peraturan Pertubuhan.
1966.

4. Sila simbolsiarkan bahanah sejajar perencanaan nama alamat dan panduan kepada undang-
undang berdaftar pertubuhan ini dan mengakui undang-undang berdaftar pertubuhan dengan Penggalan Seksyen 11, Akta Pertubuhan 1966.

Sekian, terima kasih.

BERKHIDMAT UNTUK NEGARA

Saya yang membuat peruntukan.

(MOHD ZAFFWAN BIN AB GHAFFAR)
b.g. PENDAFTAR PERTUBUHAN
Guru besar dan ahli amanah. Menteri Besar

MYSO AFFILIATE



Vision

Malaysia Young Scientists Organisation (MYSO) aims to be a platform for sustaining STEM education and IR4.0 in the country.

Mission

MYSO has a mission to be a catalyst in creating a research-oriented thinking environment among primary and secondary school students in Malaysia and to facilitate teachers in enhancing their capabilities as facilitators and mentors to students in the fields of research and scientific innovation.

INTRODUCTION

As Malaysia's leading platform for nurturing young scientific talent, MYSO has an outstanding track record in organising and managing STEM events that inspire and empower youth across the globe. Our extensive experience was recently demonstrated at WYSII 2025, where MYSO proudly set a new benchmark by being awarded by The Malaysia Book of Records for having the "Most Participants in an International STEM Competition." This achievement reflects our dedication to providing young innovators with a platform to showcase their ideas and contributions to the global STEM community.

The World Youth STEM Invention Innovation (WYSII) 2026 is an international competition in Science, Technology, Engineering and Mathematics (STEM) for Elementary & Secondary Schools / College & University Students and also Professional (teachers, lecturers, educators etc)

It aims to create dynamic competition in the scope of scientific innovation and research mindedness. WYSII 2026 serve as a platform for innovation and creativity in the world of science.

Our journey is to create a world that are safe for our next generations to live in the future. Science and innovation should serve the good of humanity. The theme for WYSII 2026 is:

INNOVATE FOR FUTURE COMMUNITY

OBJECTIVES

1. Inspires invention and innovation events to develop the spirit of creativity in student
2. Creating the skills of scientific research in STEM and the spirit of invention and innovation among students
3. To enhance participants' presentation skills by incorporating evidence-based strategies from scientific research, fostering their ability to effectively communicate complex ideas, present data persuasively, and engage diverse audiences within an innovation context

EVENT DETAILS



29, 30, 31 January - 1, 2 February 2026



Accommodation
Al Meroz Hotel, Bangkok, Thailand
Al Maz Hotel, Bangkok, Thailand



Competition and Conference
Al Meroz Hotel, Bangkok, Thailand

FLOWCHART



Participating in the competition

WORLD YOUTH STEM INVENTION INNOVATION 2026

FLOWCHART



STEP
01

PERMISSION

Requesting permission from the school/parents or guardians to participate in the competition.

STEP
02

RULES & REGULATIONS

Participants are required to read and abide by all competition rules and regulations as stated in the guidebook.

STEP
03

PREPARATION PERIOD

Planning and building the project / preparing materials for the competition requirements.

STEP
04

JOIN WORKSHOP

Participating in programs, workshops, or briefings by referring to the competition's key dates.

STEP
05

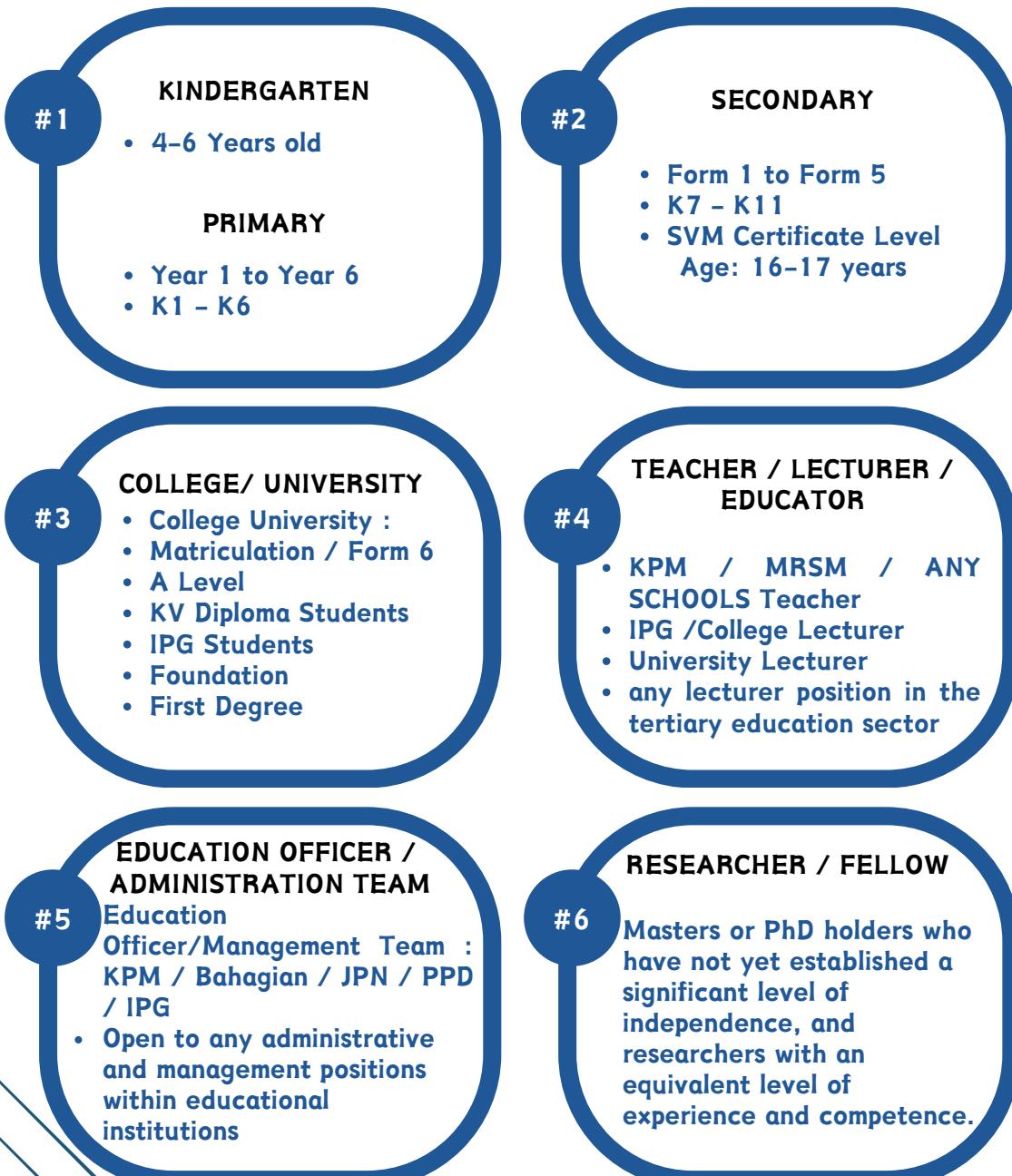
SUBMIT MATERIALS

Submitting competition materials according to the specifications set by the organizer and making the required payment for the competition kit.

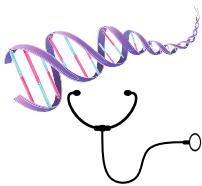
Please contact us for any updates or inquiries.
(+60174748001 Mr Shaiff / +60163607013 Ms Chai)

PARTICIPATION

1. Malaysian and international participants can join this competition.
2. Each group/entry must consist of at least one participant and not more than six participants per entry/team. There should be at least one mentor teacher or supervisor for each team or entry. (Maximum 5 students + 1 supervisor)
3. Below are the details according to the education levels.



EXAMPLES OF SCIENTIFIC FIELDS THAT ARE OFTEN CHOSEN BY PARTICIPANTS WHEN CREATING INNOVATIONS. THE SELECTION OF SCIENTIFIC FIELDS IS OPEN, AND THE ORGANIZERS DO NOT LIMIT IT.



LIFE SCIENCES & HEALTH

COVERS BIOLOGY, MEDICAL INNOVATION, BIOTECHNOLOGY, DISEASE PREVENTION, PUBLIC HEALTH, AND MENTAL WELL-BEING.

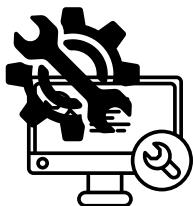
EXAMPLE PROJECTS: PORTABLE DIAGNOSTIC KITS, ANTI-BACTERIAL HERBAL PRODUCTS, SMART HEALTH TRACKERS.



ENVIRONMENTAL SCIENCE & SUSTAINABILITY

FOCUSSES ON CLIMATE ACTION, CONSERVATION, GREEN ENERGY, WASTE MANAGEMENT, AND SUSTAINABLE ECOSYSTEMS.

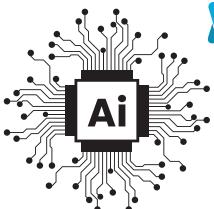
EXAMPLE PROJECTS: BIODEGRADABLE PACKAGING, WATER FILTRATION SYSTEMS, ECO-FRIENDLY FARMING.



ENGINEERING & TECHNOLOGY

MECHANICAL, CIVIL, ELECTRICAL, OR SYSTEMS ENGINEERING-BASED INNOVATIONS; INCLUDES ROBOTICS AND HARDWARE SOLUTIONS.

EXAMPLE PROJECTS: SMART IRRIGATION SYSTEMS, AUTOMATED SORTING MACHINES, PROSTHETIC DESIGNS.



COMPUTING, AI & DIGITAL INNOVATION

SOFTWARE, MOBILE APPS, AI/ML, INTERNET OF THINGS (IOT), BLOCKCHAIN, CYBERSECURITY, AND DIGITAL SOLUTIONS.

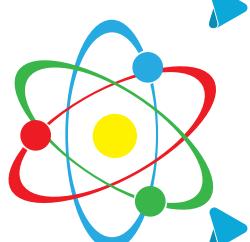
EXAMPLE PROJECTS: LEARNING APPS, AI TRASH CLASSIFIERS, SMART HOME SENSORS.



EDUCATION, BEST PRACTICES, PSYCHOLOGY & SOCIAL INNOVATION

IMPROVING EDUCATION / LEARNING, INNOVATION IN LEARNING METHOD /BEST PRACTICES IN EDUCATION FIELD (MANAGEMENT OR ETC) INCLUSIVE EDUCATION, EMOTIONAL DEVELOPMENT, AND SOLUTIONS FOR SOCIAL CHALLENGES.

EXAMPLE PROJECTS: DIGITAL THERAPY TOOLS, INCLUSIVE LEARNING KITS, YOUTH MENTAL HEALTH APPS.



PHYSICAL SCIENCES & APPLIED CHEMISTRY

INCLUDES PHYSICS, CHEMISTRY, MATERIAL SCIENCE, NANOTECHNOLOGY, AND EXPERIMENTAL INNOVATION.

EXAMPLE PROJECTS: SELF-HEALING MATERIALS, SOLAR-REACTIVE COATINGS, CHEMICAL-BASED WATER TESTING KITS.

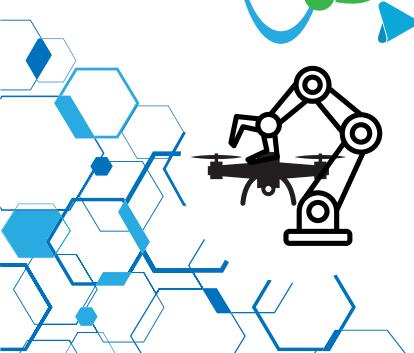
ROBOTICS & DRONES

FOCUS ON MECHANICAL +PROGRAMMING SYSTEMS THAT MIMIC INTELLIGENT BEHAVIOR. EXAMPLE TOPICS: RESCUE ROBOTS, ROBOTIC ARMS, AUTOMATION IN HEALTHCARE

DRONES (UAVS - UNMANNED AERIAL VEHICLES)

FOCUS ON FLYING TECH USED FOR MAPPING, DELIVERY, SECURITY, ETC.

EXAMPLE TOPICS: DRONE FOR AGRICULTURE, AERIAL MAPPING, PACKAGE DELIVERY SYSTEMS



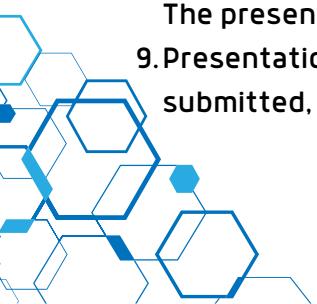
COMPETITION

PART A : POSTER ABOUT THE PROJECT / PRESENTATION

1. Prepare one (1) e-poster in A1 portrait (594x841 mm) or 1080x1920 px, saved as PDF (≤ 10 MB).
2. The e-poster must follow a scientific/innovation format: Title & Team, Abstract, Problem Statements, Objective, Method/Prototype, Results/Data, Innovation/Uniqueness, Impact/SDGs, Key References.
3. Use clear headings, readable fonts (≥ 24 pt), simple charts/figures, and cite all images/data.
4. Content must be original (no plagiarism and cite any sources used).
5. Name your file: School_Team_ProjectTitle_EP.pdf.
6. Submit by 27 December 2025 to organiser. After submission, no changes are allowed.
7. Aim for one key message per section. Focus on clarity instead of decoration.
8. This poster will be displayed on the MYSO website for public viewing.
9. The poster is worth 30 points.

PART B : PRESENTATION DAY AT BANGKOK

1. Participants must adhere to the WYSII2026 theme.
2. Domain selection should be as listed in the guidebook.
3. This competition is based on collaborative presentations. Each team will present in front of a panel of judges in a conference room. The session is closed and limited to authorised attendees. The organiser will provide an LCD projector, stand banner, and a table for showcase/demonstration purposes.
4. Judges will first allow participants to deliver their presentation, followed by a Q&A session. Judges are free to ask questions within the 10-minute slot allocated to each team. The organiser believes that the Q&A will give participants the opportunity to explain their projects more effectively and potentially achieve higher marks.
5. Using a pre-recorded video and simply playing it during judging is not allowed. However, participants may attach a video for support and evidence in their live presentation to the judges.
6. Participants are allowed to bring materials or projects they have created to show to the judges. Any demonstrations must be within the 10-minute time limit. Demonstrations that are hazardous or pose a risk of injury are strictly prohibited.
7. Participants are advised to use software or presentation formats that do not require internet access during the presentation. If internet access is needed, participants will be responsible for the impact on their presentation. NO extra time will be given in the event of internet connection issues.
8. During presentations, participants are encouraged to display commendable values and proper ethics, including observing ethical practice while conducting experiments in preparing the project. The presentation is worth 70 marks.
9. Presentation slides must be submitted to the Secretariat before 20 January 2026. Once submitted, no amendments may be made.



MARKING GUIDELINE

1



PROBLEM STATEMENT AND INNOVATION

- Does the project present a unique or innovative solution?
- How creatively does it address the problem?
- How relevant is the project to the competition theme or target issue?
- How well has the team identified and articulated the problem?

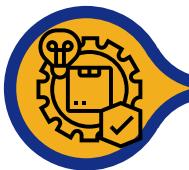
2



SCIENTIFIC/TECHNICAL RIGOR

- Is there evidence of research and understanding of relevant theories or technical knowledge?
- Have they provided data or evidence to back up their claims?

3



CLARITY AND COMMUNICATION

- Is the solution clearly explained, with a logical and coherent structure?
- How clearly is the idea presented? Are the key points well-explained and engaging?

4



TECHNICAL FEASIBILITY

- Does the innovation consider sustainability, including environmental and social impact?
- Are ethical considerations addressed in the solution?
- Has the team identified a target market, with potential for scaling or wider application?

5



PRESENTATION SKILLS

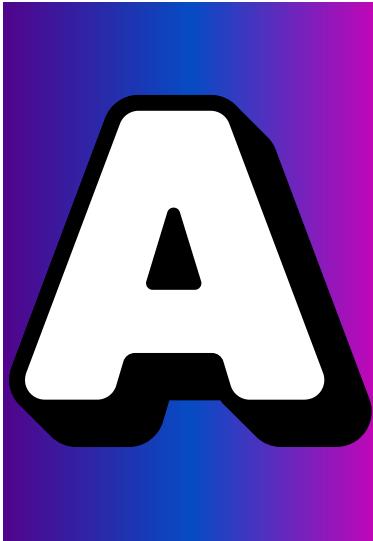
- Are the participants able to confidently and knowledgeably answer judges' questions, demonstrating an in-depth understanding of their project?
- Does the team work well together with clear roles and collaboration, effectively showcasing their collective efforts in developing the project?

TIMELINE

TIME	DESCRIPTION
10 October 2025	Registration Open
1 November 2025	Submission deadline for papers / overseas travel requests to the Ministry of Education (MOE).
3 December 2025	Payment Dateline
6 December 2025	Data Management and Presentation Skills Enhancement Workshop
15 December 2025	Completion of participant flight information
27 December 2025	Submission of E-Poster (Organiser will provide manual / link)
10 January 2026	Chief Judge's Final Preparation Tips
17 January 2026	Briefing for Participants by the Organiser
20 January 2026	Submission of Presentation File
29 January 2026	Registration Day @ Bangkok
30 January 2026	Competition Day
31 January 2026	Immersive Learning Event (Tour)
1 February 2026	Awarding Ceremony & Immersive Learning Event (Tour)
2 February 2026	Participants' departure back to their home institutions.



PACKAGES (PARTICIPANT)



FULL PACKAGE

MYR 2200

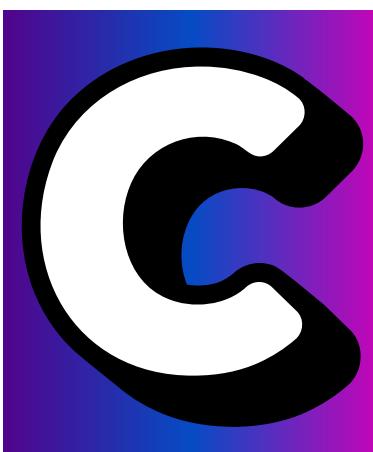
- 4 nights of accommodation @ 5 star hotel (*twin room sharing*)
- Hotel transfer (*airport to the hotel and vice versa*)
- 4 breakfasts, 3 lunches, 3 dinner (include Cruise Dinner), 1 snack
- T-shirt and Souvenir
- Full Day Tour + Half Day Tour
- Medal and Certificate
- Competition/Conference
- Awarding Ceremony Entrance Ticket



FULL PACKAGE

MYR 2000

- 4 nights of accommodation @ 4 star hotel (*twin room sharing*)
- Hotel transfer (*airport to the hotel and vice versa*)
- 4 breakfasts, 3 lunches, 3 dinner (include Cruise Dinner), 1 snack
- T-shirt and Souvenir
- Full Day Tour + Half Day Tour
- Medal and Certificate
- Competition/Conference
- Awarding Ceremony Entrance Ticket



FREE & EASY

MYR 750

- 2 lunches and 1 snack
- T-shirt and Souvenir
- Medal and Certificate
- Competition/Conference
- Awarding Ceremony Entrance Ticket

All packages are individual, not by team.

Packages exclude airfare. Participants and their cohorts may book their own flight with their preferred airline.

In case of withdrawal from participation:

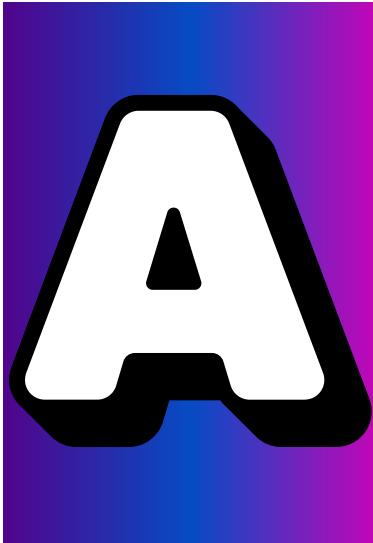
On or before Disember 31st - refund all except MYR150

January 1st onwards - No more refunds





PACKAGES (COMPANION)



FULL PACKAGE

MYR 1950

- 4 nights of accommodation @ 5 star hotel (*twin room sharing*)
- Hotel transfer (*airport to the hotel and vice versa*)
- 4 breakfasts, 3 lunches, 3 dinner (include Cruise Dinner), 1 snack
- T-shirt and Souvenir
- **Full Day Tour + Half Day Tour**
- Awarding Ceremony Entrance Ticket



FULL PACKAGE

MYR 1750

- 4 nights of accommodation @ 4 star hotel (*twin room sharing*)
- Hotel transfer (*airport to the hotel and vice versa*)
- 4 breakfasts, 3 lunches, 3 dinner (include Cruise Dinner), 1 snack
- T-shirt and Souvenir
- **Full Day Tour + Half Day Tour**
- Awarding Ceremony Entrance Ticket

All packages are individual, not by team.

Packages exclude airfare. Participants and their cohorts may book their own flight with their preferred airline.

In case of withdrawal from participation:

On or before Disember 31st - refund all except MYR150

January 1st onwards - No more refunds





PACKAGES (INTERNATIONAL)



FULL PACKAGE

USD 550

- 4 nights of accommodation @ 5 star hotel (*twin room sharing*)
- Hotel transfer (*airport to the hotel and vice versa*)
- 4 breakfasts, 3 lunches, 3 dinner (include Cruise Dinner), 1 snack
- T-shirt and Souvenir
- Full Day Tour + Half Day Tour
- Medal and Certificate
- Competition/Conference
- Awarding Ceremony Entrance Ticket



FULL PACKAGE

USD 520

- 4 nights of accommodation @ 4 star hotel (*twin room sharing*)
- Hotel transfer (*airport to the hotel and vice versa*)
- 4 breakfasts, 3 lunches, 3 dinner (include Cruise Dinner), 1 snack
- T-shirt and Souvenir
- Full Day Tour + Half Day Tour
- Medal and Certificate
- Competition/Conference
- Awarding Ceremony Entrance Ticket



FREE & EASY

USD 200

- 2 lunches and 1 snack
- T-shirt and Souvenir
- Medal and Certificate
- Competition/Conference
- Awarding Ceremony Entrance Ticket

All packages are individual, not by team.

Packages exclude airfare. Participants and their cohorts may book their own flight with their preferred airline.

In case of withdrawal from participation:

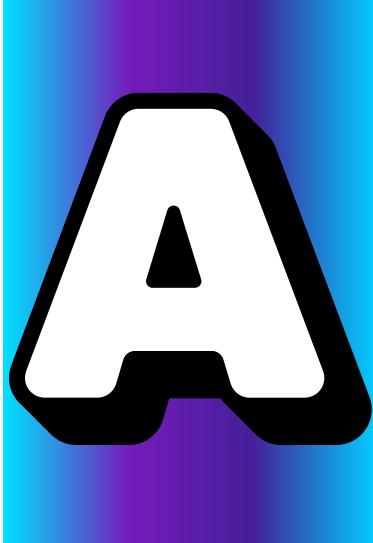
On or before Disember 31st - refund all except MYR150

January 1st onwards - No more refunds





PACKAGES INTERNATIONAL COMPANION



FULL PACKAGE

USD 500

- 4 nights of accommodation @ 5 star hotel (*twin room sharing*)
- Hotel transfer (*airport to the hotel and vice versa*)
- 4 breakfasts, 3 lunches, 3 dinner (*include Cruise Dinner*), 1 snack
- T-shirt and Souvenir
- Full Day Tour + Half Day Tour
- Awarding Ceremony Entrance Ticket



FULL PACKAGE

USD 470

- 4 nights of accommodation @ 4 star hotel (*twin room sharing*)
- Hotel transfer (*airport to the hotel and vice versa*)
- 4 breakfasts, 3 lunches, 3 dinner (*include Cruise Dinner*), 1 snack
- T-shirt and Souvenir
- Full Day Tour + Half Day Tour
- Awarding Ceremony Entrance Ticket

All packages are individual, not by team.

Packages exclude airfare. Participants and their cohorts may book their own flight with their preferred airline.

In case of withdrawal from participation:

On or before Disember 31st - refund all except MYR150

January 1st onwards - No more refunds



AIRPORT TRANSFER



- This facility is available only for Package A and Package B participants.
- The supervisor of each team must inform the organiser of the arrival time in Bangkok, Thailand and the departure time from Bangkok to the home destination, so that transport schedules can be prepared.
- Transfers are provided only on the official arrival day (29 January) and official departure day (2 February).
- Service applies only to Don Mueang (DMK) and Suvarnabhumi (BKK) airports in Thailand.



ACCOUNT DETAILS



Malaysian & International Participant

Bank : RHB BANK BERHAD

Account Number : 2622-8700-0053-60

Account Name : PERTUBUHAN SAINTIS MUDA
: MALAYSIA (MALAYSIA YOUNG
SCIENTIST ORGANISATION) (MYSO)

Swift Code : RHBBMYKL

Transfeer News : WSDG26_NAME OF INSTITUTION_LEADER
: NAME

Bank Address : CAWANGAN TAMAN TAMING JAYA 1,
: JALAN TAMING KANAN 2, TAMAN
: TAMING JAYA, BALAKONG, 43300,
: SELANGOR.

If you have any questions regarding payment, please contact the secretariat immediately for assistance.

CONTACT US



**+60166988931
(Mr Razmi)**

**+60163607013
(Ms Chai)**

**+60174748001
(Mr Shaifful)**



Website : myso.my



Email : myso.malaysia@gmail.com



Instagram : [mysomalaysia](https://www.instagram.com/mysomalaysia)



Facebook : Malaysia Young Scientists
Organisation

