



Anglo-Chinese School
(Independent)

A Methodist Institution
(Founded 1886)



23 October 2023

IDEX 2024: Innovation, Design, Engineering eXchange

Dear Sir/Madam,

INVITATION TO PARTICIPATE IN IDEX 2024

Greetings from Anglo-Chinese School (Independent) Singapore.

It is with great pleasure that I write to invite you, your teachers and your students to join us in our annual *IDEX 2024* to promote and celebrate innovation and design.

As the world becomes increasingly volatile, uncertain, complex and ambiguous, the tenacity of our students to find opportunities within adversity and their ability to work within tight constraints to innovate and create new value is more important than ever.

Innovation is not just about inventing new products. It requires the empathetic skills to understand the needs of people and the heart to use one's cognitive and inventive capabilities to benefit the greater community through user friendly design and grounded by sound engineering principles.

It is with this intent that the theme for *IDEX 2024* is "**Technology for Humanity**".

PROGRAMME HIGHLIGHT – INNOVATION EXCHANGE (EXHIBITION)

The Innovation Exchange is a 2-day exhibition featuring projects which are selected by an expert panel. During the exhibition, potential investors and prominent domain experts from academia and industry will be invited to judge the finalists' projects. Students will be invited to visit the booths for a more intimate exchange of ideas with the exhibitors. Outstanding submissions, judged by the experts, will be rewarded with cash prizes and more importantly opportunities to bring their inventions to next level through further collaborations with interested investors.

ACS(I) will arrange for the top three teams to be mentored by our invited industry partners on marketing strategies. This is to help these teams develop stronger presentation skills and pitch their ideas more convincingly during the Awards Ceremony on **28 Mar 2024 (Thursday)**.

Outstanding submissions will be rewarded with cash prizes and more importantly, the potential to develop their inventions further through collaboration with interested investors.



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Special Awards will also be issued by industry partners and winners of the awards will have the opportunity to attend a short engagement and/or training session with the award sponsors. We are pleased to inform that NUS College of Design & Engineering (Division of Industrial Design) and DuPont Singapore are currently sponsors of the Special Awards.

CALL FOR REGISTRATION

Your students (aged 13 to 18) are cordially invited to register and submit a project report on their innovation to us via <https://www.emailmeform.com/builder/form/yAJ4Zr3c86Mbv4ic>

The registration and submission deadline is **26 January 2024 (Friday)**. Each school can submit up to 3 projects. More details such as rules and judging criteria can be found in the appended **Annex A**.

The participating teams may wish to refer to the guiding questions below when determining the approach of the solution, designing the prototypes and crafting the proposal.

1. What is the problem that the idea is designed to solve?
2. Why is the problem important?
3. Who will benefit from the solution?
4. What are the key insights gleaned from the understanding of the problem and existing solutions?
5. What is novel and original about your solution?
6. What are the key features of your solution?
7. What are the scientific concepts applied in your solution?
8. How have your prototypes evolved through the process?

The Awards Ceremony will be held on **28 March 2024 (Thursday)**. The award categories are stated below:

Award Category	Cash Prize (in SGD)
Overall Champion	S\$1500
Gold	S\$500
Silver	S\$300
Bronze	S\$150

For more information on the event, please visit IDEX website at idex.acsindep.edu.sg. Please do not hesitate to contact us at idex@acsindep.edu.sg if you have any further queries.

I look forward to your school's participation and presence for *IDEX 2024*.
The Best Is Yet To Be!

Warmest Regards

Mr Arene Koh
Principal
Anglo-Chinese School (Independent)



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Annex A



IDEX 2024 Technology for Humanity

1. Objectives

In line with Singapore's vision of creating an even more inclusive society, **IDEX 2024 Technology for Humanity** will be centred on innovation that improves the quality of life of the less fortunate. The focus is to bring the best of humans through innovation/technology where technology is not just to improve the lives of others but also to bring out the kindness of humans through technology.

Areas of innovation and technology can include any of the following:

Developing Assistive Technology

What can I develop to improve the daily experiences or performances of the vulnerable or less fortunate people?

Improving Mobility

How can I make it easier for the vulnerable or less fortunate people to move from one point to another?

Assisting Care Givers

How can I ease the demands placed upon the caregivers for the vulnerable or less fortunate people?

2. Judging Criteria for Innovation Challenge (Exhibition)

The product will be judged based on

Criteria	Weightage (out of 100%)
Inventiveness	25%
Scalability	25%
Feasibility	25%
Depth of impact	25%

Important notes relating to judging for Innovation Challenge (Exhibition):

- Shortlisted projects will be required to set up a booth on 25 Mar 2024 (Monday) for judging during Innovation Exchange (Exhibition).
- For international participants, lodging would not be provided by ACS (Independent) during your stay in Singapore. Our Hosting Committee would arrange a Learning Journey during your visit here.



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3. Report Format

The Report Template is attached for your reference.

4. Rules and Regulations

4.1 Participants will have to submit their entry with their project report. Registration and Submission Deadline: **26 January 2024 (Friday)**

Online portal for registration and submission:

<https://www.emailmeform.com/builder/form/yAJ4Zr3c86Mbv4ic>

4.2 Late entries will not be accepted.

4.3 Number of entries is limited to a maximum of 3 per school with a maximum of 3 team members per team.

4.4 The age of team members should be between 13-18 years old.

4.5 Judges' decision is final.

4.6 Participants who are shortlisted for the Exhibition will be required to set up their booth for judging during the Innovation Exchange. They will present their project and showcase their poster and prototype to the judges during the exhibition.

4.7 The organiser reserves the right to amend the rules and regulations stated herein at their own discretion without any prior notice.

4.8 Prizes: Cash and/or Trophies for the overall champion team, Gold, Silver and Bronze.

4.9 The organiser reserves the right not to award any prize should projects not meet the expected standard.

4.10 The organiser reserves the right to keep all materials submitted for the competition.

4.11 The organiser will not be responsible for any loss of intellectual property rights due to the Exhibition or sharing during Awards Ceremony.

5. Important Dates

Event	Date
Online registration and submission of project report together with participants' details	By 26 January 2024 (Friday)
Release of results (List of shortlisted projects for Exhibition)	7 February 2024 (Wednesday)
Innovation Exchange (Exhibition) for shortlisted projects	25 & 26 March 2024 (Monday & Tuesday)
Final Judging and Awards Ceremony @ IDEX 2024 event	28 March 2024 (Thursday)

Please do not hesitate to contact us at idx@acsindep.edu.sg if you have any further queries.



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To be submitted by all participating groups.

Title of Project				
Name of School			School Logo (jpg format)	
Students' Details	No.	Full Name of Student		E-mail Address
	1 (Leader)			
	2			
	3			
Teachers' Details	No.	Full Name of Teacher	E-mail Address	Contact No.
	1			
	2			
Description of problem <i>(maximum 200 words)</i>	What is the problem that the idea is designed to solve? Why is the problem important to you?			
Target Audience	Who will benefit from your solution?			
Key insights <i>(maximum 100 words)</i>	What are the key insights that you have gleaned from the understanding of the problem (through research/ talking to target users, etc) and existing solutions?			



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<p>Prototyping stages (if applicable) <i>(maximum 200 words and 4 photos to be attached here)</i></p>	<p>Show the stages of the prototyping process and elaborate on the improvement made to the prototypes along the way.</p>
<p>Key Features of Proposed Solution <i>(maximum 300 words)</i></p>	<p>What is novel and original about your solution?</p>
	<p>What are the key features of your solution?</p>
	<p>What are the scientific concepts applied in your solution?</p>
<p>Illustrations <i>(maximum 4 pictures/ photos to be attached here)</i></p>	<p>Your invention in action (good illustration helps to convey critical information on your product to the judges)</p>