



2023 REPORT



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Young Technopreneurs Challenge 2023 Report

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Our Heartfelt Thanks!

Ministry of Education (MOE)

State Education Departments (JPN)

YB Senator Saraswathy Kandasami

Deputy Minister

Ministry of Entrepreneur and Cooperatives Development

Headmasters/Headmistress

Teachers

Parents

Students

And

To all the Judges





Young Technopreneurs Challenge (YTC) 2023 Working Group Committee

Project Advisor:

Dr. Mohamed Yunus Bin Mohamed Yasin

Project Director:

Mr. Anandan Shanmugam

ASTI Secretariat Representative:

Ms. Vanitha Vasu

Chief Judge:

Mr. Edwin Anand Raj

Committee Members:

Dr. Vanitha Ponnusamy

Ms. Nagavalli Annamalai

Dr. Vimal Rau Aparow

Executive Summary

The Young Technopreneurs Challenge (YTC) 2023, organized by the Association of Science, Technology, and Innovation (ASTI), proved to be an important initiative in nurturing the entrepreneurial spirit among young talents. The competition provided a dynamic and engaging platform for aspiring technopreneurs to showcase their innovative business ideas by converting their problem-solving and solution-finding skills into a product or service development skill that can be monetized.

YTC was originally conceived and run as a small pilot in 2022 to help the former participants of another of ASTI's project, the Young Inventors Challenge (YIC) turn their solutions into a product or service that can be used to build a business. As with all of ASTI's projects, the main purpose was to help educate young people to think of their ideas from a business perspective. Hence, like YIC hopes to create inventors, YTC hopes to help create entrepreneurs.

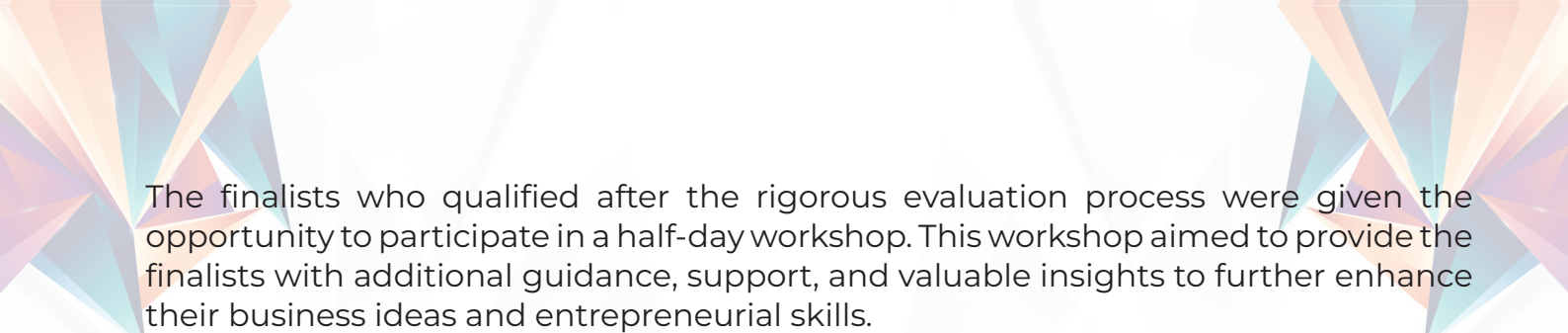
ASTI commenced the promotion of YTC 2023 on the 10th of February 2023, with the official launch event graced by the presence of YB Senator Saraswathy Kandasami, Deputy Minister of the Ministry of Entrepreneur and Cooperative Development. This event marked the beginning of a journey filled with enthusiasm and excitement from both the organisers and the participants.

To attract potential participants, ASTI developed a Publicity Poster and an engaging Promotional Video, which were shared on various digital platforms and networks. ASTI's official website served as a comprehensive hub, providing all necessary information for potential participants, including registration details, the launch video, briefing video, business plan report format, terms and conditions etc.

The competition received an overwhelming response, with 225 teams registering to participate. Participants were also well-prepared through an online briefing conducted by Mr. Anandan Shanmugam, the Project Director of YTC. The briefing provided an overview of YTC's objectives, target group, participation process, and a comprehensive guide to prepare the Business Plan Report.

In the Young Technopreneurs Challenge (YTC) 2023, a total of 116 Business Plan Reports were received from showcasing some amazing ideas. Among these submissions, 94 reports were for Category 1 (Secondary school students aged 14-17 years old), and 22 reports were for Category 2 (18-30 years old).

The judging process for YTC 2023 was conducted independently from the organizing committee, adhering to ASTI's policy for impartiality. A panel of 65 judges, including past participants from ASTI's previous projects volunteered to evaluate the Business Plan Reports submitted by the participants. The judges selected included scientist, engineers, entrepreneurs and business professionals. Top 20 teams for category 1 and top 10 teams for category 2 were shortlisted.

The top corners of the page feature decorative geometric patterns composed of overlapping triangles in shades of orange, teal, and purple. The main body of the page is white with faint, light gray geometric shapes in the background.

The finalists who qualified after the rigorous evaluation process were given the opportunity to participate in a half-day workshop. This workshop aimed to provide the finalists with additional guidance, support, and valuable insights to further enhance their business ideas and entrepreneurial skills.

The selected finalists then communicated their business ideas in an Online Pitching Session, and the judges meticulously assessed their presentations based on a determined judging metrics developed by a panel of expert Judges.

YTC 2023 culminated with the Virtual Winners Announcement Ceremony, where the deserving teams were celebrated and acknowledged for their remarkable entry.

The success of YTC 2023 would not have been possible without the dedication of the organizing committee, the support of sponsors, judges, mentors, and volunteers, and the enthusiasm and talent of the participants. The program's commitment to fostering creativity, innovation, and entrepreneurship among the youth was evident throughout the competition.

The Young Technopreneurs Challenge 2023 set a promising precedent for future iterations, inspiring young minds to innovate and contribute to a better world. ASTI's pledge to empowering the next generation of technopreneurs with skills and access, in hopes of playing a small part in developing the foundation for a brighter and more innovative future in an open and inclusive world.

1.0

INTRODUCTION

Since its inception, ASTI, Association of Science, Technology and Innovation has been working towards inspiring the young generation of our nation to explore the world of science and innovation. We have many projects including Science Fair for Young Children (SFYC), Young Inventors Challenge (YIC), ASTI Leap Challenge (ALC), ASTI Feynman Challenge (AFC), and Young Inventors Journal (YIJ) during which students will design and come up with various new inventions and innovations addressing core problems they are passionate in solving. We have been privileged to witness many creative and unique inventions throughout these years.

All our projects are designed as an educational tool where our participants learn from the tasks they undertake. Hence, for example in Young Inventors Challenge, our aim is not to develop inventions BUT to develop and empower inventors.

However, we have noticed another important skill could be further developed in among these participants. We have realised that many of these creative ideas do not move past the conception, designing and prototype phase. Many students do not possess the necessary entrepreneurial skills to turn their unique ideas into a marketable venture. In Young Invention Challenge (YIC), the participants develop a solution based on an issue they have identified. We would now like the participants to develop the skills to bring these ideas to the market, or in other words, the skill to convince people to use their new solutions – and to convince potential investors to back their ideas.

In order to do this, they would need to develop a business plan to commercialise their inventions. These are still uncharted waters for most of our participants. With the necessary guidance we feel we can help them develop entrepreneurial skills which we hope could contribute to developing their communities and nation.

Therefore, we initiated and conducted Young Technopreneurs Challenge (YTC) which is divided into 2 phases. Phase 1 comprises of Promotion & Registration, Half Day Training, Business Plan Submission whereas Phase 2 comprises of Business Plan Shortlisting, Half Day Workshop, Online Pitching Session. The winners were determined and announced on the 9th August 2023 via Virtual Prize Giving Ceremony.

2.0

METHODOLOGY AND TIMELINE

The main objective of YTC is to create an awareness among students about business and entrepreneurship. We believe YTC has helped the participants to improve their presentation skills.

We also introduced to the participants concepts like financial planning, value proposition, marketing planning and business pitching via online trainings.

Young Technopreneurs Challenge (YTC) was conducted for the first time and it was targeted for two age categories as below:

- Category 1: Secondary school students aged 14-17 years old
- Category 2: 18-30 years old

The category was determined by the oldest person in the team

The competition was targeted to ASTI Alumni, particularly the YIC Alumni network. However, non-Alumnus was also encouraged to participate. Each team was made up of 3-5 students.

The prizes for each of the categories above are as follows:

Champion	: RM 1000
1st Runner Up	: RM 700
2nd Runner Up	: RM 500
4th Place Winner	: RM 300
5th Place Winner	: RM 200

YTC' simple mentation plan and timeline are as follows:

No	Implementation Plan	Timeline
1.	Proposal, Funding & Formation of Working Group Committee	January-February 2023
2.	Promotional Materials Preparation	February 2023
3.	Promotion and Publicity for YIC 2022 Participants	16 November 2022
4.	Promotion and Publicity for All	February 2023
5.	Launching	10 February 2023
6.	Registration	10 February -31 March 2023
7.	Briefing (Online)	1 March 2023
8.	Question and Answer Session (Online)	13 April 2023
9.	Business Plan Report Submission	12 May 2023
10.	Review and Shortlisting	17 May-7 June 2023
11.	Shortlisted Team Announcement	8 June 2023
12.	Half Day Workshop (Online)	17 June 2023
13.	Online Business Plan Pitching	8 July 2023
14.	Winners Announcement	9 August 2023
15.	Reporting and Accounting	September 2023

3.0

SUMMARY OF IMPLEMENTATION

Proposal and Funding

ASTI successfully developed a project proposal for the Young Technopreneurs Challenge (YTC) and distributed it to potential funders to seek sponsorship. The proposal outlined the competition's objectives, activities, and budget, emphasizing its significance in promoting entrepreneurship and innovation among young talents. YTC hopes to empower young technopreneurs and foster creativity in the field of technology-based entrepreneurship. ASTI was successful in gaining sponsorship from YB Senator Saraswathy Kandasami, the Deputy Minister of the Ministry of Entrepreneur and Cooperative Development. The sponsorship obtained ensured the smooth execution of YTC and signify endorsement for its vision and objectives.

Promotional Materials Preparation

Once the funding for the Young Technopreneurs Challenge (YTC) was approved, the organizers began the process of developing the Publicity Poster to promote the competition. The content for the poster was carefully written and thoroughly proofread to ensure accuracy and clarity.

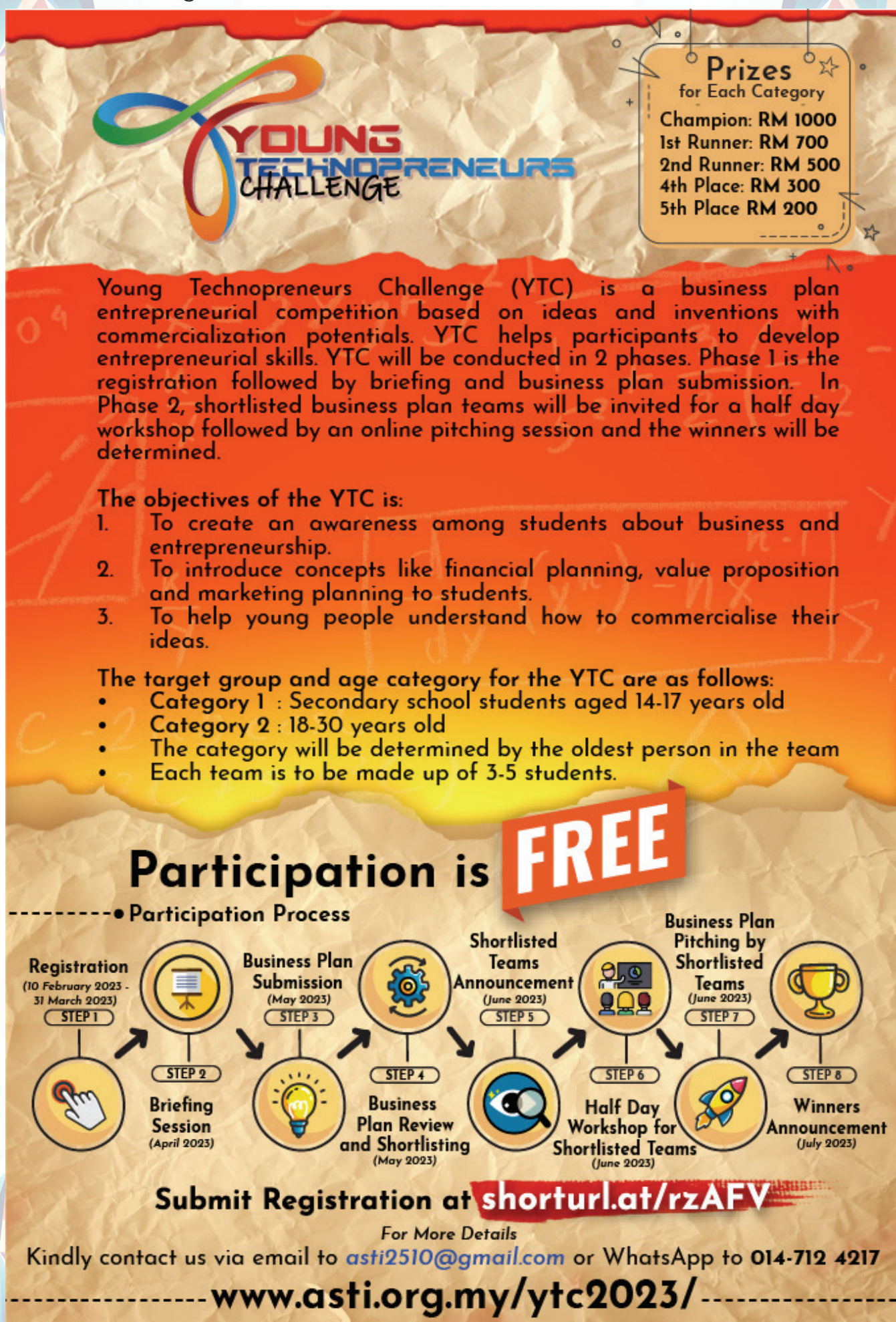
After the content was finalized, it was sent to the designer responsible for creating the layout design of the poster. The designers used their creative expertise to craft an eye-catching and informative poster that would capture the attention of potential participants and generate excitement for YTC.

In addition to the publicity poster, a promotional video was created to further enhance the visibility and reach of the competition. The video aimed to convey the essence and significance of YTC, showcasing the opportunities it offered to aspiring young technopreneurs.

The promotional video was professionally produced and uploaded to ASTI's YouTube Channel, a popular platform for sharing multimedia content. The YouTube link to the video is: <https://youtu.be/ZPq5imstfUU>.

By utilizing digital platforms like YouTube, ASTI ensured that the promotional efforts would reach a broader audience, including students, educators and stakeholders interested in entrepreneurship and technology. The combination of the publicity poster and the promotional video effectively communicated the key details and highlights of YTC, generating enthusiasm and encouraging participation in the competition.

Below is the image of the Poster:



The poster for the Young Technopreneurs Challenge (YTC) 2023 is designed with a crumpled paper background. At the top left is the YTC logo, featuring a stylized 'Y' in blue, green, and orange, followed by the text 'YOUNG TECHNOPRENEURS CHALLENGE'. At the top right, a box titled 'Prizes for Each Category' lists the prize amounts: Champion (RM 1000), 1st Runner (RM 700), 2nd Runner (RM 500), 4th Place (RM 300), and 5th Place (RM 200). The main text describes the YTC as a business plan entrepreneurial competition based on ideas and inventions with commercialization potentials. It details the two phases: Phase 1 (registration, briefing, and business plan submission) and Phase 2 (shortlisted teams invited for a half-day workshop, online pitching session, and winner determination). The objectives of the YTC are listed as three points: creating awareness, introducing business concepts, and helping students commercialize their ideas. The target group and age category are also specified. A large red banner with the word 'FREE' is placed over the text 'Participation is'. Below this, a flowchart titled 'Participation Process' shows the eight steps of the competition. At the bottom, it provides the registration URL, contact information, and the official website.

YOUNG TECHNOPRENEURS CHALLENGE

Prizes for Each Category

- Champion: RM 1000
- 1st Runner: RM 700
- 2nd Runner: RM 500
- 4th Place: RM 300
- 5th Place: RM 200

Young Technopreneurs Challenge (YTC) is a business plan entrepreneurial competition based on ideas and inventions with commercialization potentials. YTC helps participants to develop entrepreneurial skills. YTC will be conducted in 2 phases. Phase 1 is the registration followed by briefing and business plan submission. In Phase 2, shortlisted business plan teams will be invited for a half day workshop followed by an online pitching session and the winners will be determined.

The objectives of the YTC is:

1. To create an awareness among students about business and entrepreneurship.
2. To introduce concepts like financial planning, value proposition and marketing planning to students.
3. To help young people understand how to commercialise their ideas.

The target group and age category for the YTC are as follows:

- Category 1 : Secondary school students aged 14-17 years old
- Category 2 : 18-30 years old
- The category will be determined by the oldest person in the team
- Each team is to be made up of 3-5 students.

Participation is FREE

Participation Process

- STEP 1** Registration (10 February 2023 - 31 March 2023)
- STEP 2** Briefing Session (April 2023)
- STEP 3** Business Plan Submission (May 2023)
- STEP 4** Business Plan Review and Shortlisting (May 2023)
- STEP 5** Shortlisted Teams Announcement (June 2023)
- STEP 6** Half Day Workshop for Shortlisted Teams (June 2023)
- STEP 7** Business Plan Pitching by Shortlisted Teams (June 2023)
- STEP 8** Winners Announcement (July 2023)

Submit Registration at shorturl.at/rzAFV

For More Details

Kindly contact us via email to asti2510@gmail.com or WhatsApp to 014-712 4217

www.asti.org.my/ytc2023/

Webpage Development

Upon finalizing the Poster and Video for the Young Technopreneurs Challenge (YTC) 2023, a dedicated webpage was created on ASTI's official website to provide comprehensive information and details for potential participants. The webpage served as a central hub for all essential aspects of the competition, facilitating easy access and navigation for interested individuals.

The webpage, accessible at the link: <https://www.asti.org.my/ytc2023/>, contained the following key items:

1. **Registration Details:** This section provided comprehensive information on the registration process for YTC 2023. It outlined the steps to participate in the competition, including deadlines, registration forms, and any other pertinent instructions to ensure a smooth and seamless registration experience for interested teams.
2. **Poster:** The official Poster for YTC 2023 was displayed prominently on the webpage. This visually appealing graphic aimed to capture the attention of potential participants and convey the key information about the competition.
3. **Launch Video:** The Launch Video, produced for the official launch of YTC 2023, was made available on the webpage. This video helped showcased the excitement and significance of the competition, encouraging aspiring technopreneurs to take part and learn more about YTC.
4. **Briefing Video:** The Briefing Video, conducted by Mr. Anandan Shanmugam, the Project Director of YTC, was also shared on the webpage. This video provided a comprehensive overview of YTC, its objectives, participation process, and guidelines for preparing the Business Plan Report.
5. **Business Plan Report Format:** The webpage included details on the required format for the Business Plan Report. Participants were provided with guidelines on the content and structure to ensure their reports were well-organized and aligned with the competition's expectations.
6. **Terms and Conditions:** The Terms and Conditions section outlined the rules and guidelines governing the Young Technopreneurs Challenge 2023. This section was essential for participants to understand the competition's regulations and requirements fully.

By incorporating these essential items in just one webpage on ASTI's website provided participants with all the necessary information to register and participate in YTC 2023. It demonstrated the organizers' commitment to transparency and accessibility, making it easier for aspiring technopreneurs to embark on their entrepreneurial journey through the competition.

Official Launching

YTC 2023, the Young Technopreneurs Challenge, was ceremoniously inaugurated on the 10th of February 2023, a Friday, at the Persatuan Alumni University Malaya. The event was honored by the presence of YB Senator Saraswathy Kandasami, the esteemed Deputy Minister of the Ministry of Entrepreneur and Cooperative Development.

The official launch of YTC 2023 marked the commencement of an exciting journey for young technopreneurs, offering them a platform to showcase their innovative ideas and entrepreneurial prowess.

Following the official launch, the event continued with the ASTI Socrates Dialogue (ASD), which bore the theme “Reinventing A Better World Post Covid-19.” The ASD focused on the crucial areas of Economics, Entrepreneurship, and Livelihood, and featured visionaries and subject matter experts in these fields.

The dialogue provided a thought-provoking and insightful discussion on how to navigate the post-pandemic world, fostering creativity and resilience in the face of challenges. Participants had the opportunity to engage in meaningful conversations with experts, gaining valuable perspectives on entrepreneurship and its role in shaping a brighter future.

The combined event of the official YTC 2023 launch and the ASTI Socrates Dialogue helped set a promising tone for the competition, inspiring young technopreneurs to take on the challenges of the present and envision a better world through their ideas and solutions.



Promotion and Registration

The official promotion of YTC 2023 commenced on the 10th of February 2023. To reach a wide audience, ASTI utilized various platforms to spread the word about the competition.

Promotional materials, including a visually appealing poster and an engaging promotional video, were made available on ASTI's website, Facebook page, and Instagram account. These platforms served as channels to capture the attention of potential participants and foster enthusiasm for the upcoming challenge.

To ensure extensive outreach, the poster was shared via WhatsApp blast to all teachers and other relevant contacts. This approach aimed to reach educational institutions and individuals who might be interested in participating or encouraging talented students to take part.

ASTI also leveraged its extensive network of schools and teachers who have previously participated in ASTI's projects, such as the Science Fair for Young Children, Young Inventors Challenge, ASTI Feynman Challenge, ASTI Leap Challenge, and others. An email campaign was initiated to notify these schools and teachers about YTC 2023, encouraging their students to seize this unique opportunity to showcase their entrepreneurial skills. ASTI also managed to get the Ministry of Education approval for the projects and they also sent it to potential participating schools.

Additionally, Dr. Mohamed Yunus Yasin, the President of ASTI, played a pivotal role in promoting YTC 2023 to the general public. He participated in an Interview Session with Traxx Fm on 31st January 2023, using this media opportunity to create awareness about the competition and its objectives.



The registration deadline for YTC 2023 was set on the 31st of March 2023, and the response from aspiring young technopreneurs was remarkable. A total of 225 teams registered to participate in the competition, demonstrating a significant interest and enthusiasm generated by the promotional efforts.

The strategic and extensive promotional activities undertaken by ASTI contributed to the success of attracting a diverse pool of participants, setting the stage for an exciting and competitive Young Technopreneurs Challenge 2023.

The breakdown of team's registration for Category 1 and Category 2 is shown as below:

Category	Country	No. of Registration
Category 1: 14-17 years old	India	1
	Malaysia	153
	Philippines	7
	Singapore	5
	Thailand	6
	Total	172
Category 2: 18-30 years old	Malaysia	52
	Thailand	1
	Total	53
	Grand Total	225

Online Briefing

On the 1st of March 2023, Mr. Anandan Shanmugam, the Project Director of the Young Technopreneurs Challenge (YTC), conducted the online briefing session. The briefing covered various crucial aspects of the competition, providing participants with essential information and guidelines to ensure a successful journey in YTC.

The briefing session commenced with an informative overview of YTC, outlining its purpose, goals, and significance in fostering innovation and entrepreneurship among young talents. This introduction set the stage for the participants, allowing them to grasp the broader context of the competition.

Mr. Anandan further elaborated on the specific objectives of YTC, emphasizing the importance of encouraging creative thinking and problem-solving skills among the participants. The session also addressed the target group, specifying the intended participants who could benefit from this unique entrepreneurial opportunity.

One of the key highlights of the briefing was a comprehensive explanation of the participation process. Mr. Anandan guided the participants through the various stages of the competition, from registration to submission requirements, ensuring clarity and transparency in the process.

A significant aspect covered during the briefing was a detailed guide on preparing the Business Plan Report. Participants received valuable insights and practical tips to structure and present their business ideas effectively. This guidance played a crucial role in empowering the participants to articulate their visions coherently and persuasively.

To ensure convenient access to the briefing content, the session was recorded and uploaded to ASTI's YouTube Channel. This approach allowed participants to review the briefing video at their convenience, enabling them to refer back to the information as they prepared for the competition.

By sharing the briefing video with the participants, the organisers demonstrated its commitment to facilitating an inclusive and accessible experience for all participants. This online briefing session laid a strong foundation for the participants, equipping them with the knowledge and resources to embark on their exciting journey in the Young Technopreneurs Challenge 2023.

Here is the link of the Briefing Video:

<https://www.youtube.com/watch?v=UDDeWEnn58s&t=9s>

Question and Answer Session

On the 13th of April 2023, Mr. Anandan Shanmugam, the Project Director of Young Technopreneurs Challenge (YTC), conducted an engaging online Question and Answer (Q&A) Session with the participants. This session served as a valuable opportunity for the participants to seek clarifications, gather insights, and address any queries they may have had regarding the competition.

The Q&A Session was well-attended, with a total of 100 enthusiastic participants actively taking part in the interactive discussion. Through the virtual platform, Mr. Anandan Shanmugam provided valuable guidance, tips, and answers to the questions posed by the participants.

Following the session, the secretariat compiled all the questions asked during the Q&A Session, along with the corresponding answers provided by Mr. Anandan. The compiled Questions & Answers were then shared with all the participants through email and the designated telegram group.

By distributing the compiled Questions & Answers, the organizers ensured that all participants had equal access to the information discussed during the Q&A Session. This enabled the participants to refer back to the insights and guidance shared by Mr. Anandan Shanmugam, allowing them to make well-informed decisions and further enhance their understanding of the competition's requirements and expectations.

In summary, the online Q&A Session provided a platform for open communication and valuable exchange between the participants and the Project Director. The session's success was evident in the active participation of the attendees and the subsequent distribution of the compiled information, fostering a collaborative and supportive atmosphere among the YTC 2023 participants.

Business Plan Report Submission

As of 17th May 2023, the participants in the Young Technopreneurs Challenge were required to submit a 5-page Business Plan Report to advance to the next level of the competition. The response from the participants was impressive, as a total of 116 Business Plan Reports were received by the organizer.

The submission of 116 Business Plan Reports showcased the high level of interest and engagement among the participants. Each team demonstrated their entrepreneurial vision and innovative ideas through their well-prepared reports.

The Business Plan Reports served as the crucial document for the judging process, allowing the judging panel to assess the feasibility, creativity, and potential of each team's business concept. The detailed insights and strategies outlined in the reports played a significant role in determining the shortlisted teams that would proceed to the next level of the competition.

The large number of Business Plan Reports received by the organizers reflected the enthusiasm and commitment of the participants, and it set a promising tone for the rest of the Young Technopreneurs Challenge 2023. With such a diverse pool of ideas and talents, the competition promised to be a dynamic and inspiring platform for aspiring technopreneurs to showcase their abilities and make a positive impact on the entrepreneurial landscape.

The breakdown of the submission are as follows:

Category	Country	No. of Registration	No. of Registration
Category 1: 14-17 years old	India	1	0
	Malaysia	153	88
	Philippines	7	3
	Singapore	5	2
	Thailand	6	1
	Total	172	94
Category 2: 18-30 years old	Malaysia	52	22
	Thailand	1	0
	Total	53	22
	Grand Total	225	116

Judging (Review and Shortlisting)

The YTC 2023 judging team was led by a Chief Judge who worked independently from the organising committee in line with ASTI's policy of impartiality for judging. Mr. Edwin Anand Raj, serial entrepreneur was appointed as the chief judge to head the judging panel and manage the judging process.

An email invitation was sent to past Young Inventors Challenge (YIC) and ASTI Feynman Challenge (AFC) judges as well as to ASTI's networks. A total of 65 judges from different backgrounds agreed to volunteer and contribute as judges for Young Technopreneurs Challenge (YTC) 2023.

The business plan report from the participants was compiled and emailed to the judges for marking and review. Each judge were emailed 5-6 Business Plan Report, Judging Score Sheet and Guideline Training Video by Chief Judge Mr. Edwin. Groups of three judges marked each of the business plan report and send the scores back to ASTI secretariat. The scores from judges were compiled and reviewed for variances. The business plan reports with a variance between judges of more than 15 marks were sent to the chief judges for final review.

After the final review, 20 teams for Category 1 and 10 teams for Category 2 were shortlisted to participate in the Online Pitching Session.

Shortlisted Team Announcement

On the 8th of June 2023, the finalists for Category 1 and Category 2 of the Young Technopreneurs Challenge were officially announced through email and the designated telegram group. This announcement marked a significant milestone in the competition, as it revealed the teams that successfully advanced to the final stage. Through the email notifications and telegram group communication, the finalists were informed about their achievement and congratulated on their outstanding performance in the previous rounds of the challenge. The organizers took this opportunity to express their appreciation for the efforts and dedication demonstrated by all the participating teams.

The announcement also included essential information about the next steps and guidelines for the final round, providing the finalists with the necessary details and instructions to prepare for the upcoming phases of the competition.

The email and telegram announcements not only recognized the finalists' accomplishments but also served to build excitement and anticipation for the next stage. This communication platform allowed the participants to connect with the organizers, mentors, and fellow finalists, fostering a sense of camaraderie and support within the YTC community.

Overall, the announcement of the finalists on the 8th of June 2023 set the stage for an exhilarating and competitive final round, where the top teams would have the chance to showcase their innovative ideas and entrepreneurial spirit in the pursuit of becoming the champions of the Young Technopreneurs Challenge.

Below is the list of the shortlisted teams:

Category 1: Top 20 Finalist

Country	State	School Name	Team Name
Malaysia	Sarawak	SMK Bintulu	X-Pros
Malaysia	Penang	SMJK Chung Ling	Serendipity
Malaysia	Selangor	SMK Seksyen 9 Shah Alam	Polu-Solution
Malaysia	Sarawak	SMK Bintulu	Lol Tech
Malaysia	Johor	SMK Mutiara Rini	Creative Innovation Product
Malaysia	Selangor	SMK Cyberjaya	Revolutionaries
Malaysia	Selangor	SMK Kota Kemuning	The Kelts
Malaysia	Kuala Lumpur	SMK Taman Connaught	Sherlock Holmes
Malaysia	Selangor	Kolej Genius @ Pintar Negara	Quad Innovators
Malaysia	Sabah	SMK Merotai Besar Tawau	Eco-Enrichers
Malaysia	Sarawak	Catholic High School	Sunny Day
Malaysia	Penang	SMJK Chung Ling	CLB Techno-power
Malaysia	Sarawak	SMK Sungai Maong	Wasabi Green Peas
Malaysia	Kuala Lumpur	SMK Orkid Desa	Thousand Sunny
Malaysia	Sarawak	Catholic High School	Sky Blue
Malaysia	Selangor	SMK Seksyen 9 Shah Alam	Entreprelogy
Malaysia	Selangor	Banting Science School	Andromeda
Malaysia	Perlis	SMK Arau	Blue Lily-spider
Malaysia	Singapore	Anglican High School	ELIJAH
Malaysia	Penang	SMJK Chung Ling	ISSPC

Category 2: Top 10 Finalist

Country	State	School Name	Team Name
Malaysia	Kuala Lumpur	Universiti Teknologi Malaysia	Seaplas
Malaysia	Sarawak	Smk Sungai Merah	T-MAX
Malaysia	Kuala Lumpur	Kolej Vokasional Setapak	Starpak
Malaysia	Kuala Lumpur	National Defence University of Malaysia (NDUM)	ELECTRA UPNM
Malaysia	Putrajaya	Heriot-watt University Malaysia	S.A.N.S
Malaysia	Sarawak	Catholic High School	Winnie The Bear
Malaysia	Kedah	Albukhary International University (AIU)	The Sustainabilist
Malaysia	Kedah	Ipg Kampus Darulaman	Vector
Malaysia	Selangor	Universiti Kebangsaan Malaysia	Epsilon Gift Box Expert
Malaysia	Sarawak	Catholic High School	Survivor

Half Day Workshop (Online)

On the 17th of June 2023, a half-day online workshop was conducted with the primary objective of guiding the shortlisted teams in preparation for the upcoming Online Pitching Session. This workshop aimed to equip the participants with the necessary detailed knowledge, skills, and insights to start and build a business, and deliver an effective and compelling business plan pitch.

During the workshop, expert facilitators and mentors shared valuable tips on structuring their presentations, refining their business ideas, and effectively communicating their vision to the judges. The workshop also provided valuable information on how to handle the Question & Answer segment with confidence and clarity.

By participating in this workshop, the teams were able to gain valuable feedback and suggestions, helping them fine-tune their business plans and presentations to be more impactful and persuasive. The online format of the workshop allowed for interactive sessions, enabling participants to ask questions, share their concerns, and learn from one another's experiences.

Overall, the half-day online workshop served as a crucial preparatory event, enabling the shortlisted teams to better understand the expectations and requirements of the upcoming Online Pitching Session. The knowledge and insights gained during the workshop empowered the participants to present their business ideas with confidence, ensuring a higher chance of success in the Young Technopreneurs Challenge.

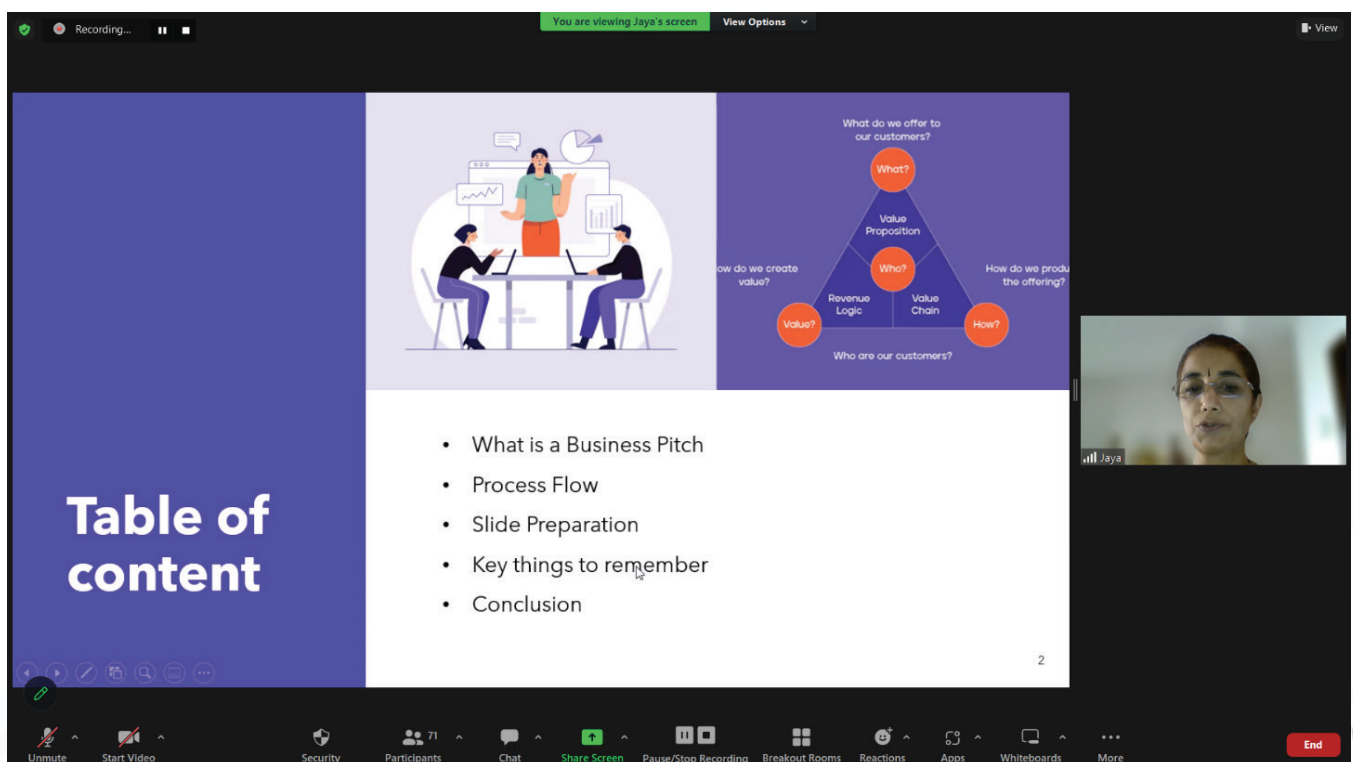
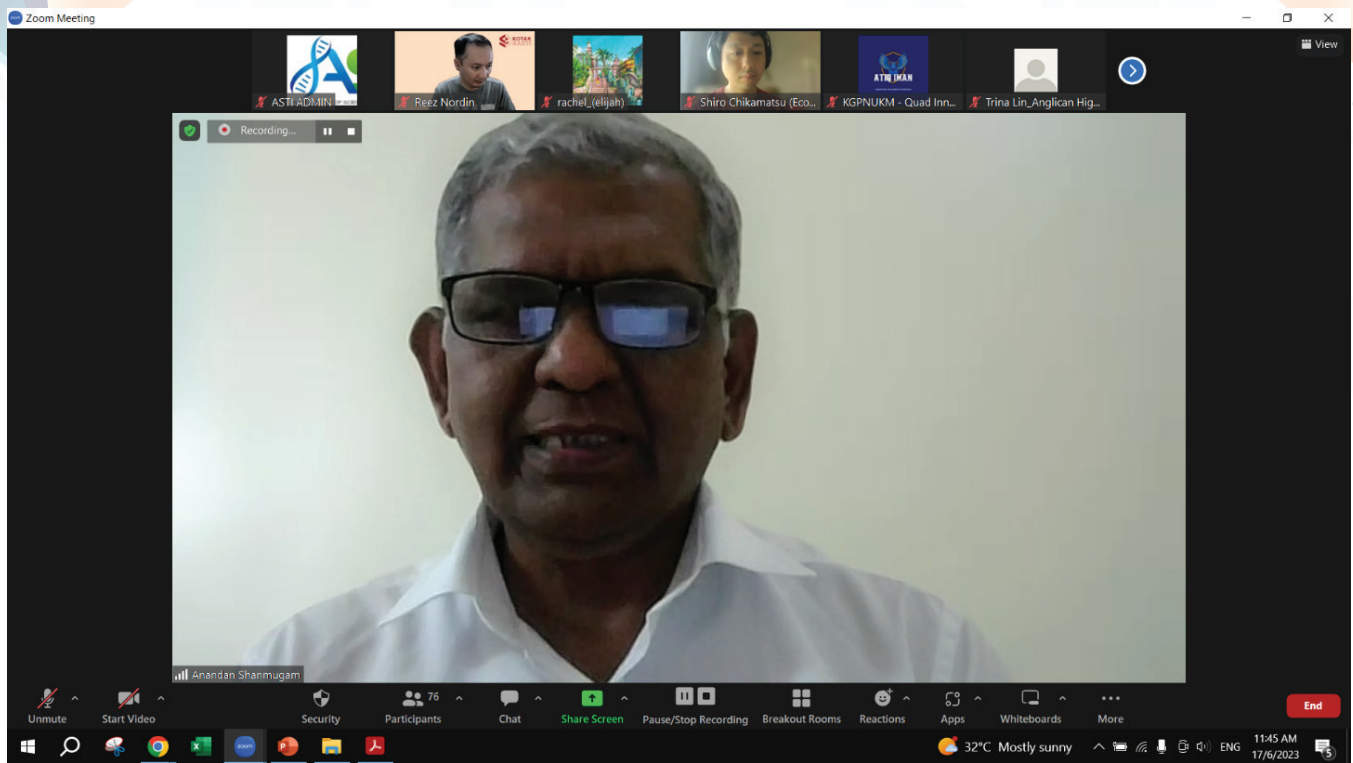
Some teams which were not shortlisted also wanted to attend the workshop and were allowed access in the spirit of learning for all that are interested.

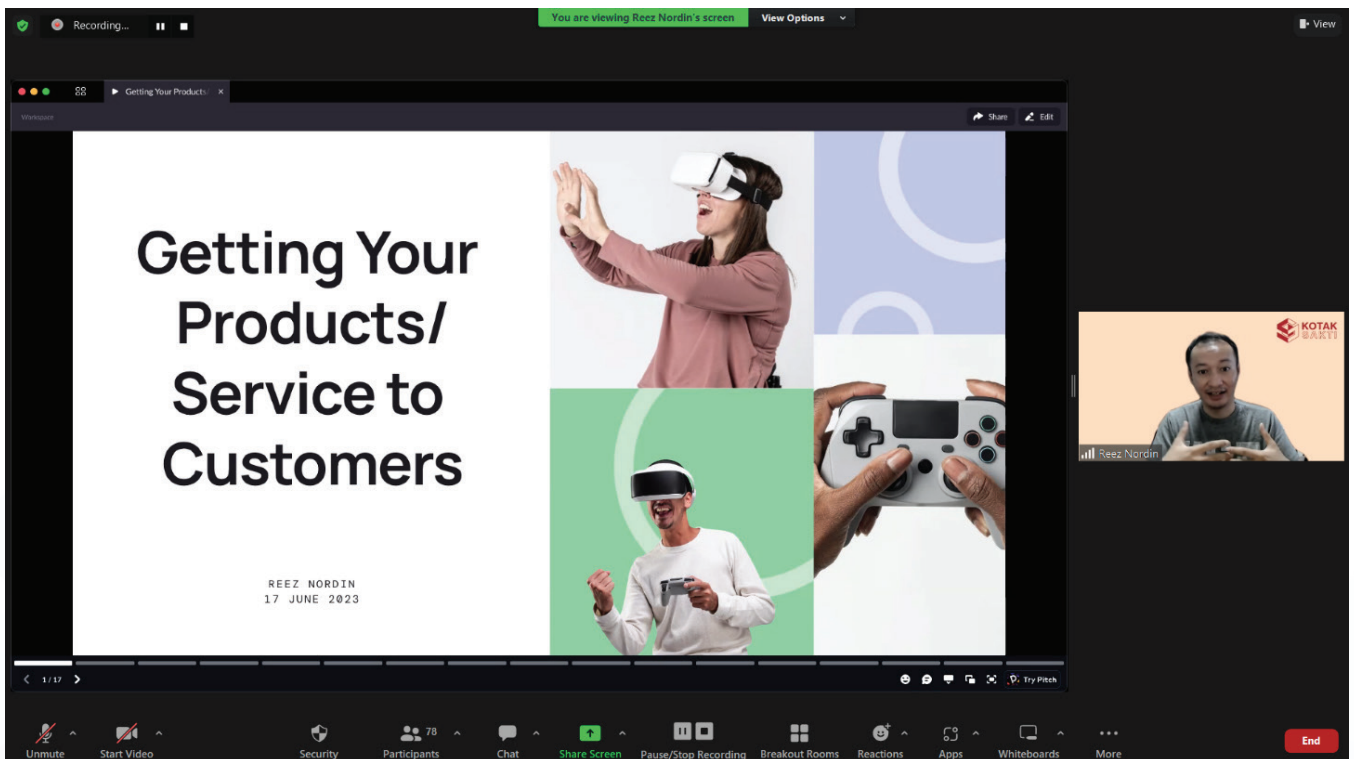
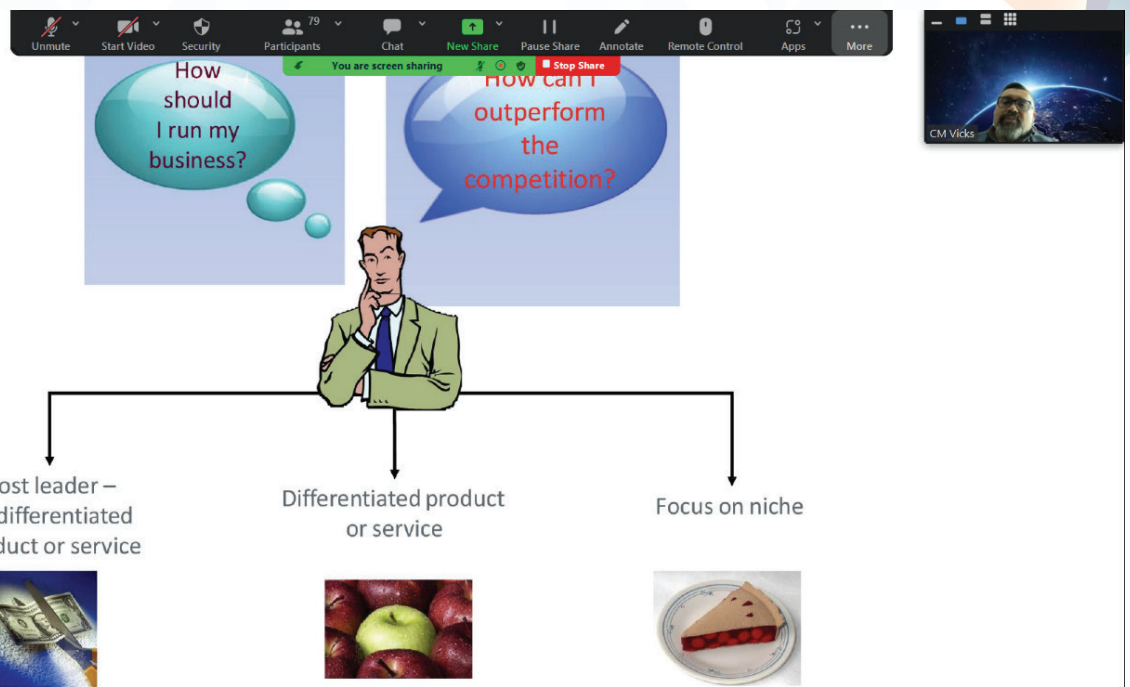
The Workshop Schedule, Topics and Trainers Profile are as shown below:

Time	Time Topics	Speaker & Profile
9.00am -9.10am	Welcoming and Introduction	<p>Mr. Anandan Shanmugam</p> <p>Mr. Anandan has served as the Project Director for YIC for the past 10 years and now been as the Project Director for Young Technopreneurs Challenge 2023. He is also a Lecturer and Instrumentation Systems Developer with over twenty years of experiences in teaching engineering and electronic subjects, system interface, special purpose medical product and instrument development, reliability, and renewable energy management systems. He is also serving as a consultant in green energy materials and devices.</p>
9.10am- 10.10am	Understanding Business Models and Business Pitching	<p>Dr. Jayalakshmy Ramachandran</p> <p>Jayalakshmy (Jaya) is Associate Professor of Auditing and Accounting in University of Nottingham Malaysia. A chartered Accountant by profession, she has been in academics since 2000. Prior to this she was attached to the audit industry for 7 years. She is a Fellow of the Institute of Chartered Accountants of India and a registered member of the Malaysian Institute of Accountants. Her research interests are wide ranged, and she has published articles in high ranked reputed journals. Her research interests include Financial Reporting and disclosures, Audit, Corporate governance and ethics, Forensic accounting and reporting and business sustainability. She has won numerous awards for her innovative research ideas. She presents regularly at international and local conferences. She has conducted number of executive training programmes on sustainable organisations and ethical practices for government agencies as well as private organisations. Recently she was involved in a sustainability pulse survey project in partnership with United Nations Global Compact Network Malaysia and Brunei (UNGCMYB) which was successfully launched in September 2022, by the Honorable Prime minister of Malaysia. She is a certified HRDF trainer.</p>

Time	Time Topics	Speaker & Profile
10.10am - 11.10am	Understanding Marketing Strategies and Finance: Preparing a Budget, ROI and Cash Flow Management	<p>Dato Seri CM Vignaesvaran, Chief Executive Officer, UMPER Consulting</p> <p>After helping the Human Resources Development Fund (HRDF) which operates under the Ministry of Human Resources Malaysia, Vicks (as he is fondly known) decided to take a break from his corporate career in 2018 to further his study and later graduated from Herriot Watt University obtaining a Masters in Business Strategy, Leadership and Change in 2019. This further strengthens his other qualifications both academic and professional ones that he has obtained. Notable academic qualifications are his degree in Business Administration (Marketing) from the National University of Malaysia in 1997, Public Employment Policy from Waseeda University, professional certifications on leadership from Judge Business School (Cambridge), Cranfield University and also from ESMT (Berlin). Later realising the importance of Industrial Revolution Four he has also expanded his knowledge in the realm technology by attending professional certifications from Harvard Business School, Judge Business School (Cambridge) and ESMT (Berlin).</p>
11.10am- 12.00pm	Case studies on business startups (Examples of Social Enterprises)	<p>Mr. Reez Nordin, Chief Operating Officer, Kotak Sakti</p> <p>Reez Nordin is a co-founder of Kotak Sakti, a data analytics company. He is also a Partner at Kembara Kapital, an early-stage Venture Capital. He was a Venture Partner at Monk's Hill Venture, sourcing emerging early-stage startups across SEA. Prior to that, he invested in late-stage tech companies and top VC funds globally at Khazanah Nasional. Had stints in iPerintis and KPMG Consulting in New York City. He was a co-founder of Kaymbu, an EdTech company based in Boston. Reez holds a Bachelor and a Masters degree in Information Systems from Carnegie Mellon University, as well as an MBA from MIT Sloan School of Management. Outside of work, he enjoys reading, traveling with his family and binge-watch streaming shows.</p>

Time	Time Topics	Speaker & Profile
12.00pm - 12.40pm	Case studies on business startups (Examples of Enterprises)	<p>Shiro Chikamatsu-Director/Principal Consultant at Ecological Economic Solutions Sdn. Bhd.</p> <p>His main area of expertise is sustainable natural resource management and climate change. His topics include responsible sourcing, Payment for Ecosystem Service (PES) for rainforest conservation, and climate change mitigation/adaptation policies/strategies in the land use sector. He has over 10 years of experience in environmental research and consultancy including, development of carbon offset projects, analysis of environmental markets and regulations, advice on corporate/governmental climate change and biodiversity management strategies, and facilitation of sustainability capacity building. He has conducted numerous fieldworks, workshops, and assessments involving sustainability appraisal, ecosystem valuation, supply chain analysis, biomass survey, remote sensing, and carbon accounting. He has previously worked in a biotechnology lab of Riken as a Genetic Researcher, and in a Japanese environmental business development company, Smart Energy, as a Senior Consultant before joining Ecological Economic Solutions. He holds a Master of Science (MSc) in Environmental Technology from Imperial College London. Specialties: Natural Resource Management, Climate Change Mitigation and Adaptation</p>
12.40pm- 1.00pm	Conclusion by Moderator	





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About Us

Ecological Economic Solutions Sdn. Bhd. (2E Solutions)

Ecological Economic Solutions is a consultancy company that offers ecologically and economically sound natural resource management solutions for companies, governments, and NGOs across Southeast Asia.

Our solutions focus on improvement in corporate strategy and business practices as well as development of underlying public policy and civic participation, which foster sustainable use of natural resources and ecosystem services.

We address natural resource management in terms of:

- land use & conservation;
- supply chain from sourcing of raw materials to disposal of derived products; and
- investment in commodities and financing of ecosystem services.

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Shiro Chikamatsu (Ecological Economic Solutions)

Zoom Meeting

Recording... You are viewing Shiro Chikamatsu (Ecological Economic Solutions)

Shiro Chikamatsu (Ecological Economic Solutions)

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32°C Mostly sunny 11:46 AM 17/6/2023

Judging (Online Business Plan Pitching)

On 8th July 2023, the Online Business Plan Pitching session was successfully conducted via Zoom Meeting. During this session, participating students had the opportunity to present their innovative business ideas to a panel of esteemed judges. Each team was given a time limit of not more than 7 minutes for their business plan pitch, followed by a 13-minute Question & Answer segment, where the judges could seek further insights and clarification from the participants.

A total of 11 judges, who graciously agreed to be part of the panel, lent their expertise and insights to evaluate the business ideas presented during the session. Their valuable feedback and assessment played a crucial role in determining the merit of each business plan.

Prior to the Pitching Session, Mr. Anandan, the Project Director, and Mr. Edwin, the Chief Judge, held a meeting with the panel of judges. During this pre-session meeting, an overview of the pitching session was provided, and the judging rubric was discussed in detail. The aim was to ensure that the judges had a clear understanding of the criteria and guidelines they should consider while evaluating the presentations.

The meeting with the judges helped to align everyone's expectations, ensuring a fair and transparent judging process. By providing guidance on the judging rubric, the organizers aimed to maintain consistency in evaluation and ensure that the winning business ideas truly stood out based on their creativity, feasibility and potential for success.

The Online Business Plan Pitching session served as a platform for young entrepreneurs to showcase their innovative ideas and entrepreneurial spirit. The dedication of the organizers, judges, and participants contributed to making this event a valuable and enriching experience for all involved.

The schedule of the Business Plan Pitching Session is shown as below:

Category 1: Group 1

Online Pitching Slot	Team Name	Team Facilitator	Judging Panels
8.30am-8.50am	SERENDIPITY	VISHANTINI	Ms. Alagarani Educator/ Trainer
9.00am-9.20am	The Revolutionaries		
9.30am-9.50am	CLB TECHNO -POWER		Ms. Nithya D/o Periasamy Lecturer, politeknik Ungku Omar
10.00am-10.20am	LOL TECH		
10.30am-10.50am	Quad Innovators		
10.50am-11.30am	Break		Ms. Kelly Chen Senior Technical Manager City Coin Chem Sdn Bhd
11.30am-11.50am	ECO-ENRICHERS		
12.00pm-12.20pm	ISSPC		
12.30pm-12.50pm	Entreprelogy		Assoc Prof. Dr Garry Kuan Pei Ern Associate Professor /lecturer Universiti Sains Malaysia
1.00pm-1.20pm	Creative Innovation Product		
1.30pm-1.50pm	Elijah		
1.50pm-2.30pm	Break		
2.30pm-3.30pm	Final Judges Deliberation		

Category 1: Group 2

Online Pitching Slot	Team Name	Team Facilitator	Judging Panels
8.30am-8.50am	ANDROMEDA	DAYALAN	Assoc. Prof. Ir. Ts. Mat Kamil Awang University Lecturer, Universiti Pertahanan Nasional Malaysia
9.00am-9.20am	Polu-Solution		
9.30am-9.50am	BLUE LILY-SPIDER		
10.00am-10.20am	SHERLOCK HOLMES		
10.30am-10.50am	X-PROS		
10.50am-11.30am	Break		Dr Nurul Sulaiha Binti Sulaiman Educators, Maverick International Secondary School
11.30am-11.50am	Sunny Day		
12.00pm-12.20pm	Sky Blue		
12.30pm-12.50pm	Wasabi Green Peas		Ts.Dr.Umaiya Munusamy Science Communicator Sayor Mine Network
1.00pm-1.20pm	Thousand Sunny		
1.30pm-1.50pm	The Kelts		
1.50pm-2.30pm	Break		
2.30pm-3.30pm	Final Judges Deliberation		

Category 2

Online Pitching Slot	Team Name	Team Facilitator	Judging Panels
9.30am-9.50am	T-Max	GAYATRI	Prof. Ts. Dr. Cheah Yoke Kqueen Professor Universiti Putra Malaysia
10.00am-10.20am	Epsilon Gift Box Expert		
10.30am-10.50am	S.A.N.S		
10.50am-11.30am	Break		Dr.Nor Saadah Mohd Yusof Senior Lecturer University Malaya
11.30am-11.50am	ELECTRA UPNM		
12.00pm-12.20pm	The Sustainabilist		
12.30pm-12.50pm	Vector		Mr.Tan Cher Hao Project Director Young Inventors Challenge
1.00pm-1.20pm	Starpak		
1.30pm-1.50pm	SEAPLAS		
1.50pm-2.30pm	Break		Ms. Siva Rohini Ratnam Retired, BNM/ASTRO/own company RightShift Services SB
2.30pm-3.30pm	Final Judges Deliberation		

Note: Out of 10 teams shortlisted, 2 teams (Team Winnie The Bear and Team Survivor) from Catholic High School had withdrawn their participation. Additionally, Team SEAPLAS did not show up during the Pitching Day.

After the Online Pitching Session, the Judging Panels of each group deliberated on the Ranking and finalised the winners.

You are viewing YIH KHYE TEE's screen View Options Sign in View

CUSTOMER SEGMENTATION

Individuals or companies with high energy usage/energy bills

Industrial buildings and factory owners/managers

Facilities and buildings managers in the private sector

Residential owners

TARGET MARKET

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Participants: Vishantini Sethumadaj, Vanitha, YIH KHYE TEE, Yew Chen Xi, GAN SZE YING, Ranice, Nithya Periasamy

You are viewing Grace Tan Jie's screen View Options Sign in View

BUSINESS MODEL


- ONE-TIME REVENUE**
 - pre-designed gift box
 - customized gift box
 - one-time workshop
- RECURRING REVENUE**
 - subscription-based model that offer customers monthly/quarterly gift box deliveries
 - access to exclusive workshops
- ADDITIONAL SERVICES**
 - add-on products or materials
 - setup workshops at guest's location
 - delivery services

Unmute Start Video Participants Chat Share Screen Record Show Captions Reactions Apps Leave

Participants: Grace Tan Jie, Vanitha, Yong Yen Yuen, CHONG SUE CHING, Gayatri Ramakrishnan, Cher Tan, Siva Rohini

Recording You are viewing Nicole Lee Yan Ni's screen View Options Sign in View

BODEGA 12-Volt Car Refrigerator



Portable for camping

You MUST connect WiFi for the first time. After that you can use your phone directly for wireless connection without WiFi.

Check or set temperature, voltage or cooling by application

Participants: 8 Chat Share Screen Record Reactions Apps Leave

Grid of participants: Ts. Dr. Umiyati Munusamy, Vanitha, Lee Pei Ting, Chiu Jia Yi, Nicole Lee Yan Ni, Dr. Nurul Suleiha, Mat Kamil Awang UPNM, Dayalan subramaniam

Recording You are viewing Muhammad Atiq Iman bin Mohamad...s screen View Options Sign in View

Target Customer

STUDENTS

Who need a proper laptop for their assignments

STUDENTS

Who have laptop and want to gain side hustle

STUDENTS

13 to 17 years old from special programme school

Quad Innovators


Grid of participants: Irfan Mikhail, Vanitha, Muhammad Atiq Iman bin Mohamad..., Vishantini Sethumadavan, AP Dr Garry, Raneer, Kelly Chen, Nithya Periasamy, Saidatul Assila, HAZIQ ZARIF BI..., [QUAD INNOVA...]

Participants: 11 Chat Share Screen Record Reactions Apps Leave

Recording You are viewing YEO HONG SIENG's screen View Options Sign in View

FUNCTION

door handles, drawer pulls, and other high-touch surfaces are no longer a breeding ground for harmful germs



Unmute Start Video Participants Chat Share Screen Record Reactions Apps Leave

YEO HONG SIENG

Vanitha

Vanitha

THEN JIA NIN

Ts. Dr. Ummayyah Muthus...

Mat Kamil Awa...

Mat Kamil Awang UPN...

D

Dayalan subramaniam

Dr Nurul Sulaiha

Dr Nurul Sulaiha

Recording You are viewing Muhammed Gumaneh's screen View Options Sign in View

THANK YOU!

Q&A


Address

Albukhary International University (AIU), Jalan Tun Abdul Razak, Bandar Alor Setar Kota Setar, Kedah, 05200

Telephone +60 14 8392 758

Website www.thesustainabilist.com

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Panel

Siva Rohini

Siva Rohini

Gayatri Ramakrishnan

SITI NOORJAN...

SITI NOORJANNAH ABD HA...

Unmute Start Video Participants Chat Share Screen Record Show Captions Reactions Apps Leave

Fatima Sadio

Vanitha

MANDARA MUHAMMAD AB...

Muhammed Gumaneh

Cher Tan

Bashar Umar shehu

Ibrahim G Yusuf

Ner Saadah

Panel

Siva Rohini

Siva Rohini

Gayatri Ramakrishnan

Muhammed Gumaneh

Muhammad Abba Mandara

SITI NOORJANNAH ABD HA...

Recording... You are viewing daniel wong hung zhang's screen View Options View

Parking Service Online uniqueness (PSO)

Reservation and Priority feature

- ❖ Guaranteed Parking
- ❖ Priority access and express lane

Modern system payment processing

- ❖ Multiple payment opti
- ❖ Security transaction

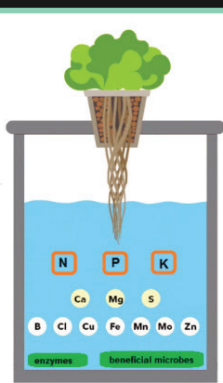

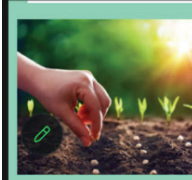
Queue system


- ❖ Join the waitlist
- ❖ Notification to user

slaw wen ming
daniel wong hung zhang
Hu Kai Rui
Panel

Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Show Captions Reactions Apps Whiteboards End

Recording... You are viewing alyana's screen Cher Tan is talking... View Options View




Business model

Value proposition

- Promote healthy living
- Empowering disabled community
- Teach life skills to the disabled
- Learn the lifecycle of plants

Revenue stream

- One-time off payment of hydroponic kit
- Recurring payments of single products (seeds, nutrient water)
- After sales services

Cost model

- Top-down cost modelling

Shaun Ho
Sylvia Tan
alyana
Ng Kah Lok
Nor Saadah Mohd Yusof

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Recording... You are viewing SUBASAN's screen View Options View

Advantages & Solutions

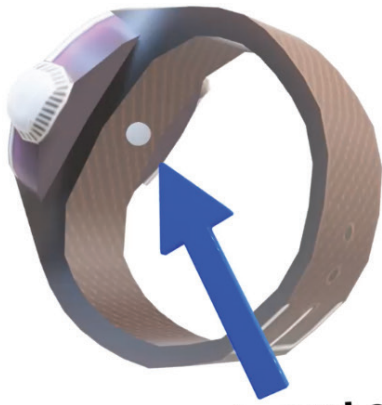
01	Autonomous and time-saving (precision and consistency)	03	Revenue streams (Additional services after sale, upgradable)
02	Cost affordable (innovative features)	04	Environmental sustainability (alternative energy without fuel)

Unmute Start Video Security Participants Chat Share Screen Pause/Stop Recording Show Captions Reactions Apps Whiteboards End

Participants: Faiz Hakimin, Deepan, Ahmad Sarfullah, SUBASAN


Media Player

SMARTWATCH



Impact sensor
Oximetry sensor
PPG sensor

PILLBOX



WEIGHT SENSOR

0:02:41 video1425510475 0:20:59

Windows taskbar: 27°C Partly sunny 2:18 PM 23/11/2023

Participants: TEOW JING YANG, Nurya Ramchar, NG YAN PIN

Winners Announcement

On 9th August 2023, the Association of Science, Technology, and Innovation (ASTI) organized a Virtual Winners Announcement Ceremony via YouTube live. The purpose of this ceremony was to officially announce and recognize the winners of the Young Technopreneurs Challenge for both Category 1 and Category 2.

The ceremony served as a platform to celebrate the achievements and innovations of the participants who took part in the Young Technopreneurs Challenge. Through the virtual event, the winners in each category were revealed, and their remarkable contributions to science, technology, and entrepreneurship were acknowledged.

The Association of Science, Technology, and Innovation expressed their appreciation for the hard work and dedication of all the participants, as well as gratitude to the sponsors, judges, and volunteers who played a crucial role in making the challenge a success.

The Virtual Winners Announcement Ceremony was a momentous occasion, showcasing the potential of young technopreneurs and their ability to drive innovation and make a positive impact on the world. The event undoubtedly inspired and motivated aspiring technopreneurs to continue their journey of creativity and entrepreneurship.



Prizes for Each Category

Champion:	RM 1000
1st Runner:	RM 700
2nd Runner:	RM 500
4th Place:	RM 300
5th Place:	RM 200

WINNERS ANNOUNCEMENT

Special Address By
YB Senator Saraswathy Kandasami, Deputy Minister,
Ministry of Entrepreneur and Cooperative Development



 **9 August 2023, Wednesday**

 **5pm (MYT)**

 **Join Us Live at: <https://rb.gy/f5xi5>**

Organized By:



ASTI
ASSOCIATION OF SCIENCE, TECHNOLOGY AND INNOVATION

The list of winners for category 1 is shown in the table below:

Category 1	Team Name	School Name	Country	Participants Name
Champion	Techno -Power CLB	SMJK Chung Ling Butterworth	Malaysia	Teh Bing Quan Ang Ji Jin Isaac Lok Cheng Jie Daniel Mah Hong Jun Darren Mah Hong Kang
1st Runner Up	X-Pros	SMK Bintulu	Malaysia	Joesming Ngieng Zhao Ming Nicole Ngu Xuan Kai Gwyneth Chiew Zhi Xuan
2nd Runner Up	LOL TECH	SMK Bintulu	Malaysia	Ricky Law Zhi Cheng Rafael Lai En Ze Fabian Lew Toh Tzen
4th Place Winner	I.S.S.P.C. (Infrared Sensor SpO2 Combination)	SMJK Chung Ling	Malaysia	Chin Yan Xu Marcus Nyoh Zong Ze Ng Kuan Yue
5th Place Winner	Serendipity	SMJK Chung Ling Butterworth	Malaysia	Yew Chen Xi Gan Sze Ying Tee Yih Khye

The list of winners for category 2 is shown in the table below:

Category 2	Team Name	School Name	Country	Participants Name
Champion	Epsilon Gift Box Expert	Universiti Kebangsaan Malaysia	Malaysia	Wong Yen Yui Chong Sue Ching Grace Tan Jie
1st Runner Up	Starpak	Kolej Vokasional Setapak	Malaysia	Ali Imran Faris Akmal Muhammad Syafiq
2nd Runner Up	The Sustainabilist	Albukhary International University (AIU)	Malaysia	Muhammed Gumaneh Muhammad Abba Mandara Fatima Sadiq Bashar Umar Shehu Ibrahim Garba Yusuf
4th Place Winner	S.A.N.S	Heriot-Watt University Malaysia	Malaysia	Sylvia Tan Shih Wei Alyana Adni Binti Ahmad Azizi Ng Kah Lok Shaun Ho
5th Place Winner	T-Max	SMK Sungai Merah	Malaysia	Yew Hu Kai Rui Daniel Wong Hung Zhang Siaw Wen Minge

4.0

LIST OF PARTICIPANTS

The list below shows the details of 116 teams who have successfully submitted their Business Plan Report and completed the journey of Young Technopreneurs Challenge 2023.

Category 1:

Secondary School Students Aged 14-17 years old

No	Country	School Name	Timeline
1.	Malaysia	SMK Bintulu	X-PROS
2.	Malaysia	SMJK Chung Ling	Serendipity
3.	Malaysia	SMK Seksyen 9 Shah Alam	Polu-Solution
4.	Malaysia	SMK Bintulu	LOL Tech
5.	Malaysia	SMK Mutiara Rini	Creative Innovation Product
6.	Malaysia	Sekolah Menengah Cyberjaya	Revolutionaries
7.	Malaysia	SMK Kota Kemuning	The Kelts
8.	Malaysia	SMK Taman Connaught	Sherlock Holmes
9.	Malaysia	Kolej Genius @ Pintar Negara, universiti Kebangsaan Malaysia	Quad Innovators
10.	Malaysia	SMK Merotai Besar Tawau	Eco-Enrichers
11.	Malaysia	Catholic High School	Sunny Day
12.	Malaysia	SMJK Chung Ling	CLB Techno-power
13.	Malaysia	SMK Sungai Maong	Wasabi Green Peas
14.	Malaysia	SMK Orkid Desa	Thousand Sunny
15.	Malaysia	Catholic High School	Sky Blue
16.	Malaysia	SMK Seksyen 9 Shah Alam	Entreprelogy
17.	Malaysia	Banting Science School	Andromeda
18.	Malaysia	SMK Arau	Blue Lily-Spider
19.	Malaysia	SMJK Chung Ling	ISSPC

No	Country	School Name	Timeline
20.	Malaysia	SMK Luar Bandar No.1 Sibu	Eumppappa
21.	Malaysia	Sekolah Menengah Kebangsaan Datuk Onn Butterworth	Tech Trios
22.	Malaysia	SMK Sacred Heart	BTW Lifehackers
23.	Malaysia	SMK Convent Bukit Nanas	CBNERS
24.	Malaysia	SMK Bukit Jambul	Kilau Lumba
25.	Malaysia	Catholic High School	Day Dreaming
26.	Malaysia	SMK ST Teresa	D' TRES
27.	Malaysia	Sekolah Menengah Kebangsaan Sekesyen 9 Shah Alam (SMKS9)	Fresh Start
28.	Malaysia	SMK Mutiara Rini	SMKMR Creative Creators
29.	Malaysia	SM Sains Johor	Sj Synergy
30.	Malaysia	SMK Tok Dor	Kasted01
31.	Malaysia	SMJK Chung Ling	Negotium
32.	Malaysia	Sekolah Menengah Kebangsaan Seksyen 9 Shah Alam	Amethyst9
33.	Malaysia	Sm Sains Johor	SJ Majestic
34.	Malaysia	SMK Sultan Ismail 2, Kemaman	Squad Trio
35.	Malaysia	SMK Merbau	D&C Boys
36.	Malaysia	Sekolah Menengah Kebangsaan Convent Bukit Nanas	LE Soleil
37.	Malaysia	SMK ST Anthony Sarikei	Team Sas
38.	Malaysia	SMJK Chung Ling	LTS Engineering
39.	Malaysia	SMKS9	Techinoeco
40.	Malaysia	Catholic High School	Kun Kun Company
41.	Malaysia	Catholic High School	Mysterious Business Organization

No	Country	School Name	Timeline
42.	Malaysia	Sekolah Menengah Kebangsaan Seksyen 9	BIOÄDEL
43.	Malaysia	Sekolah Menengah Sains Tuanku Syed Putra	Sains Man
44.	Malaysia	SM Sains Johor	Sj Legacy
45.	Malaysia	Catholic High School	Infinite
46.	Malaysia	SMK Seksyen 9 Shah Alam	Hermez
47.	Malaysia	SMJK Chung Ling	Vibecharge
48.	Malaysia	SMK Kampong Selamat	Dreamers
49.	Malaysia	Sekolah Menengah Kebangsaan Seksyen 9	Atrians
50.	Malaysia	SMK Seksyen 9 Shah Alam	The Brainiacs
51.	Malaysia	SMK Arau	The Throne Avange
52.	Malaysia	Catholic High School	Young Forever
53.	Malaysia	SMK MERBAU	Cempaka
54.	Malaysia	SMK Sungai Paoh	SMK Sungai Paoh
55.	Malaysia	SMJK Chong Hwa	Creative Crim
56.	Malaysia	SMK Seksyen 9 Shah Alam	INICIO
57.	Malaysia	SMK Seksyen 9 Shah Alam	Kumpulan Irman
58.	Malaysia	Catholic High School	The Creative Crew
59.	Malaysia	SMK Kampong Selamat	Gadis's Perkongsian
60.	Malaysia	Akademi Sains Pendang	The Hats
61.	Malaysia	SMK Tan Sri Haji Abdul Aziz Tapa	Geng Bijak Kira
62.	Malaysia	Catholic High School	Dreams
63.	Malaysia	SMK Tan Sri Haji Abdul Aziz Tapa SMK Tan Sri Haji Abdul Aziz Tapa	Young Koptuns
64.	Malaysia	SMK Kampong Selamat	Management Girls

No	Country	School Name	Timeline
65.	Malaysia	Sekolah Menengah Kebangsaan Dato' Penggawa Timur, Sekolah Menengah Kebangsaan Seri Alam 2, Sekolah Menengah Kebangsaan Taman Rinting 2	Tech Dudes
66.	Malaysia	Beaconhouse Sri Inai	Bob The Builders
67.	Malaysia	SMJK Chung Ling	Team Xylem
68.	Malaysia	SMK Pasir Panjang	Xplorer Teen
69.	Malaysia	Catholic High School	Brute Force Team
70.	Malaysia	SMK Sultan Ismail 2, Kemaman	Soctechlib
71.	Malaysia	SMK Convent Bukit Nanas	Kudrat
72.	Malaysia	SMJK Chung Ling	Bravo Squad
73.	Malaysia	SMK Arau	Mavis Squad 4
74.	Malaysia	SMK Merbau	Dahlia's
75.	Malaysia	SMK Tok Dor	Kasted02
76.	Malaysia	SMK Agama Kota Kinabalu	Haytham Com
77.	Malaysia	Catholic High School	Team X
78.	Malaysia	SMK Seksyen 9 Shah Alam	STEORRA
79.	Malaysia	Catholic High School	Big Bank
80.	Malaysia	Science Muar Secondary School	Samura's Tech Friend
81.	Malaysia	Sekolah Menengah Kebangsaan Kampong Selamat	Smart Businessman
82.	Malaysia	SMK Kampong Selamat	Aspirants Enterprise
83.	Malaysia	Sekolah Menengah Kebangsaan Seksyen 9, Shah Alam	Niners Quartet
84.	Malaysia	SMK Kampong Selamat	Aespa
85.	Malaysia	SMK Kampong Selamat	4 Beradik
86.	Malaysia	SMK Kampong Selamat	Sweet Savage

No	Country	School Name	Timeline
87.	Malaysia	Catholic High School	Nasey
88.	Malaysia	SMK Dato Penggawa Timur, SMK Taman Rinting 2, SMK Seri Alam 1	Blue Lock
89.	Philippines	Philippine Science High School-car Campus	Ace-breakers: Making A Mark
90.	Philippines	Philippine Science High School - Cagayan Valley Campus	Team Intellihenyo
91.	Philippines	Philippine Science High School - ILOCOS Region Campus	Nanowaters Ph
92.	Singapore	Anglican High School	Elijah
93.	Singapore	Anglican High School	Bolts And Nuts
94.	Thailand	Khuangnaipittayakan School	Dumbledore's Army

**Category 2:
Age 18-30 years old**

No	Country	School Name	Team Name
1.	Malaysia	Universiti Teknologi Malaysia	Seaplas
2.	Malaysia	Smk Sungai Merah	T-Max
3.	Malaysia	Kolej Vokasional Setapak	Starpak
4.	Malaysia	National Defence University of Malaysia (NDUM)	Electra Upnm
5.	Malaysia	Heriot-watt University Malaysia	S.A.N.S
6.	Malaysia	Catholic High School	Winnie The Bear
7.	Malaysia	Albukhary International University (AIU)	The Sustainabilist
8.	Malaysia	Ipg Kampus Darulaman	Vector
9.	Malaysia	Universiti Kebangsaan Malaysia	Epsilon Gift Box Expert
10.	Malaysia	Catholic High School	Survivor
11.	Malaysia	Heriot-watt University of Malaysia	The Hustlers
12.	Malaysia	Universiti Kuala Lumpur (Miit)	Casper
13.	Malaysia	Smk Bandar Sibu	ATOM
14.	Malaysia	Ipg Kampus Darulaman	Neo El-Flex
15.	Malaysia	Catholic High School	B.S.V.J.B
16.	Malaysia	Catholic High School	Catholic F5
17.	Malaysia	Institut Pendidikan Guru Kampus Sultan Mizan, Besut, Terengganu	The Executers
18.	Malaysia	Catholic High School	Duck Duck Company
19.	Malaysia	Smk Sungai Merah	Doremi
20.	Malaysia	Catholic High School	One Two Three Go!
21.	Malaysia	Catholic High School	Our Dreamer
22.	Malaysia	Catholic High School	Fruit Company

5.0

FUNDING AND BUDGET

Young Technopreneurs Challenge (YTC) 2023 was funded by YB Saraswathy Kandasami, Deputy Minister, Ministry of Entrepreneur and Cooperatives Development.

The income and expenses are shown below:

Income	RM
YB Saraswathy Kandasami	20,000.00
Total Income	20,000.00
Less: Expenditure	
Modules Development & Licensing	5,000.00
Promotion and Publicity	2,000.00
Online Training and Workshop	5,000.00
Judging and Evaluation	3,000.00
Winning Prize for Category 1: Age 13-17 years old	2,700.00
Winning Prize for Category 2: Age 18-30 years old	2,700.00
Designing	600.00
Virtual Winners Announcement Ceremony	2,000.00
Project Manager Salary and Benefits	5,300.00
Project Officer Salary and Benefits	15,200.00
Secretariat Utilities	4,000.00
Total Expenditure	47,500.00
Excess Of (Expenditure)/Income*	(27,500.00)

***The excess of expenditure was absorbed by Association of Science, Technology, and Innovation with internal funds and goodwill.**

6.0

SURVEY ANALYSIS

ASTI conducted a survey at the end of the project to collect feedback for future improvement of YTC. The survey was sent to all participants via a Google Form link, and 26 responses were received. Each response represented a team of 3-5 students, as teams were requested to submit only one response to avoid duplication. The feedback was presented graphically with explanations to gain insights and aid decision-making for enhancing YTC in the future.

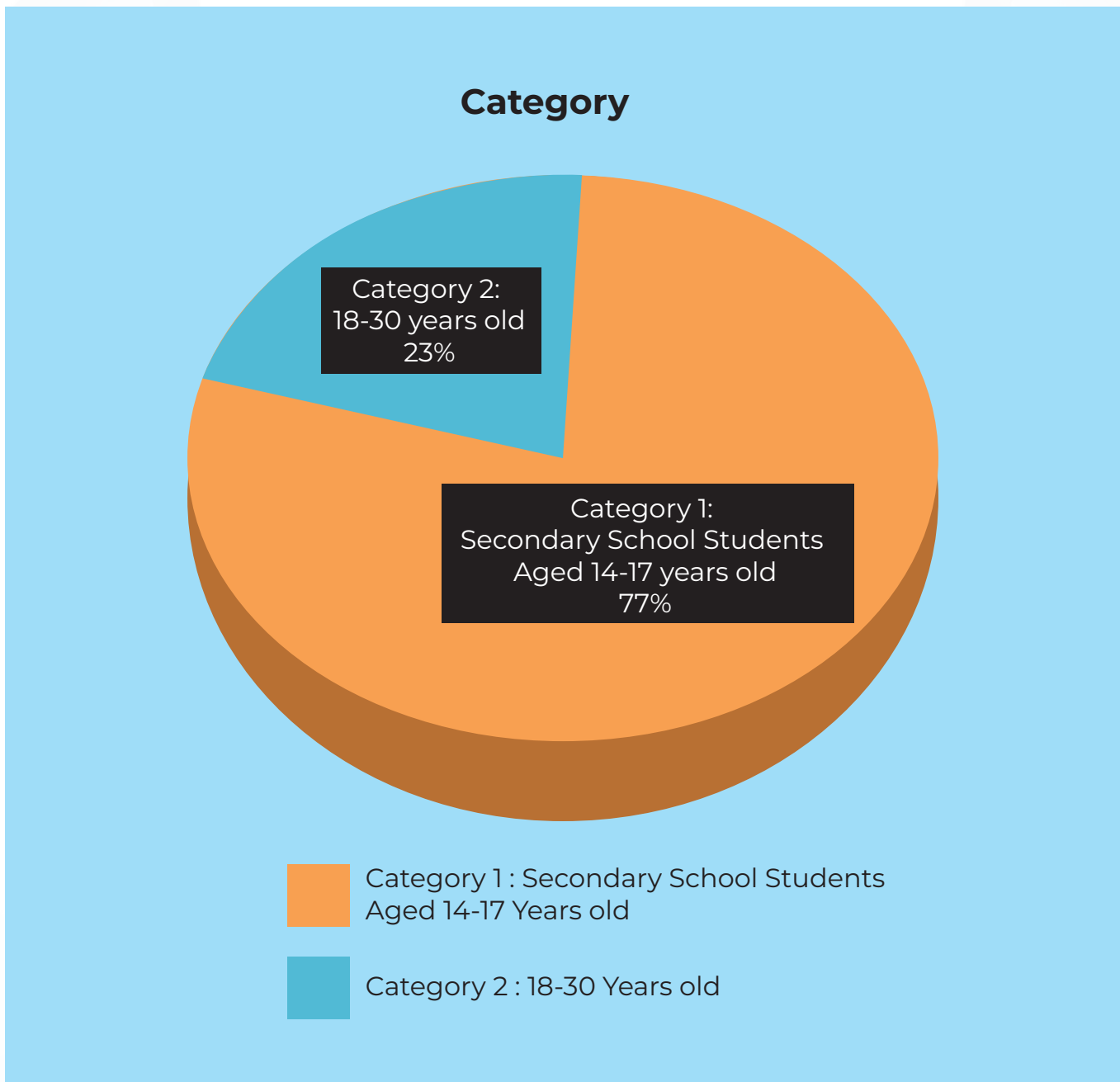


Figure 1: Category

In Figure 1, the respondents are divided into two categories: Category 1 and Category 2. The data indicates that Category 1 respondents form the majority, making up 77% of the total, while Category 2 respondents represent 23%.

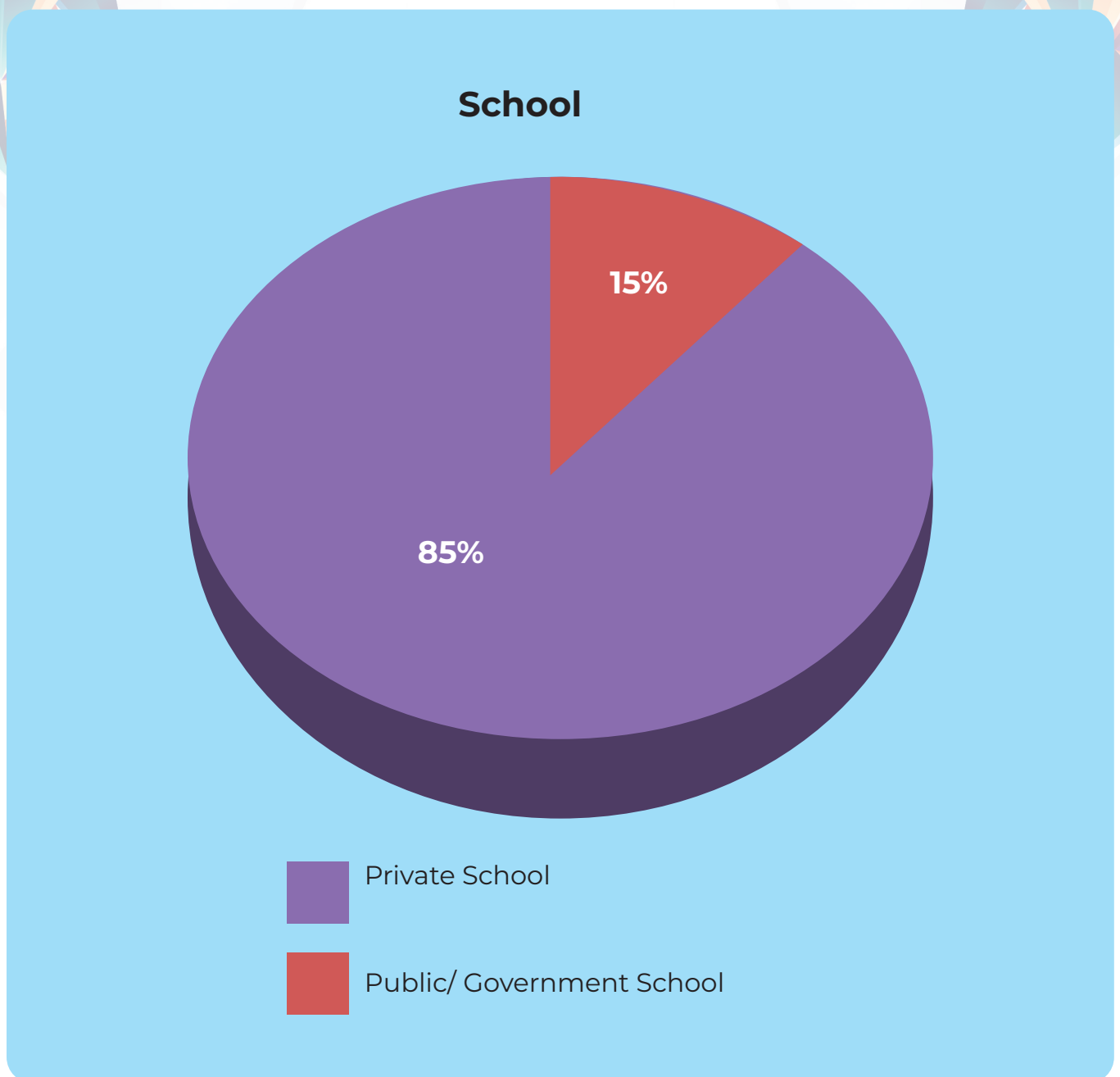


Figure 2: School

Figure 2 depicts the distribution of respondents based on the types of schools they attend, specifically distinguishing between Private and Public Schools. The data clearly indicates that the majority of participants are from Public Schools, making up a significant proportion of the total respondents. In contrast, only 15% of the respondents represent Private Schools. Our promotion was focussed towards public school participation to help more exposure for these schools.

Participants Feedback on Competition and Resources Provided



Figure 3: Participants Feedback on Competition and Resources Provided

Figure 3 illustrates the feedback obtained from participants concerning the Competition and Resources Provided. The data reveals that nearly 70% of the participants rated the Briefing Video provided to them as good and above. Furthermore, 21 respondents rated the Question-and-Answer Session conducted as good and very good. Additionally, the Half Day Workshop conducted received positive ratings, with 24 out of 26 respondents giving it an average and above rating. Overall, the feedback suggests that the participants were generally satisfied with the resources and sessions provided during the competition.

Participants Feedback on the Competition

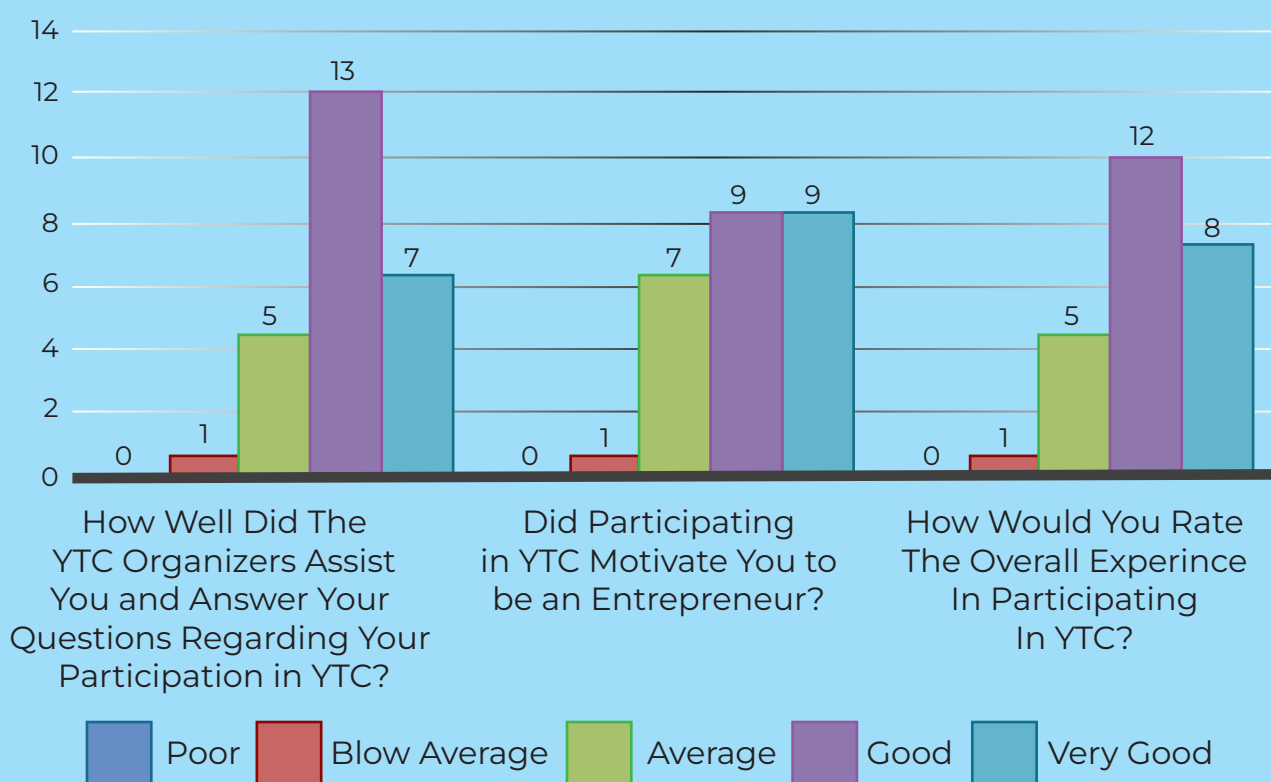


Figure 4: Participants Feedback on Competition

Figure 4 presents the participants' feedback on the competition, focusing on three key questions:

- How well did the YTC assist them?
- Did participating in YTC motivate them to be an entrepreneur?
- would they rate their overall experience in participating in YTC?

Regarding the assistance provided by the YTC organizers, a remarkable 96% of the respondents (25 out of 26) rated the assistance as average and above. This indicates that the vast majority found the organizers to be helpful in addressing their questions and concerns related to participation in the competition.

Furthermore, an impressive 96% of the respondents also rated their participation in YTC as average and above in terms of motivating them to become entrepreneurs. This suggests that the competition had a positive impact on inspiring participants to consider entrepreneurship as a viable path.

In terms of the overall experience in participating in YTC, 20 out of 26 respondents rated it as good and very good. This indicates a substantial number of participants had a positive and satisfying experience throughout their involvement in the competition. The feedback from Figure 4 highlights the organizers' effective assistance, the competition's motivational influence, and the overall positive experience of the participants in YTC.

Participants Feedback on How much did YTC help gain the following Skills

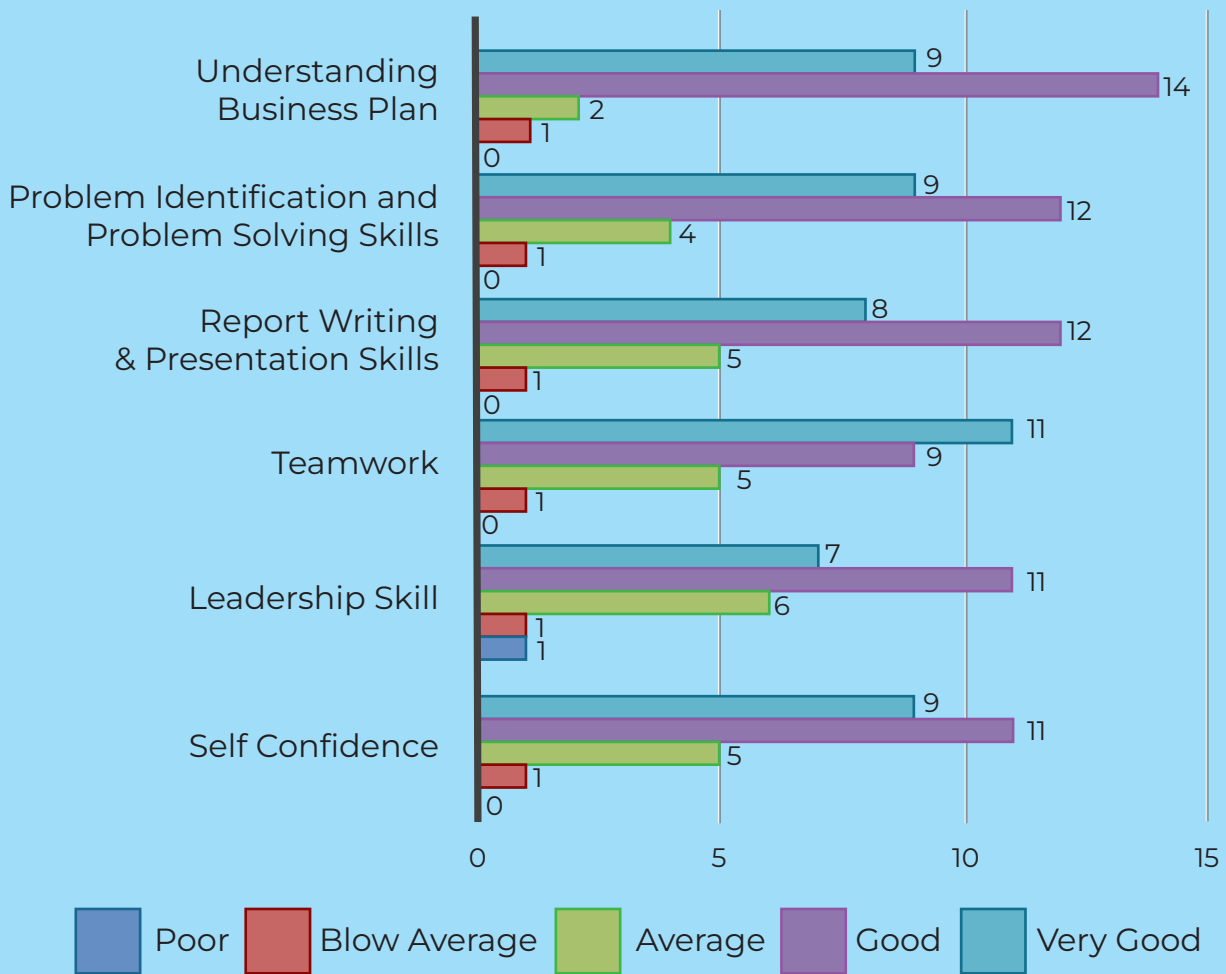


Figure 5: Participants Feedback on How much did YTC help gain the following skills

Figure 5 presents the results of the analysis, providing a clear explanation of how YTC has significantly contributed to helping students acquire valuable qualities and skills. These include self-confidence, leadership, teamwork, report writing & presentation abilities, problem identification & problem-solving skills, and understanding of business plans.

The data indicates that an overwhelming majority of students, nearly 92%, rated their development in all these aspects as average and above. Only a small number of students, less than 2 individuals, rated themselves below average in the assessed skills. This highlights the effectiveness of YTC in fostering and enhancing these interpersonal skills among the participants.

As a conclusion, the practice and honing of these skills have played a pivotal role in preparing the students to be qualified and successful in the YTC 2023 Final Competition. The program's impact on helping students develop these qualities has been evident, making them better equipped to thrive in the competition and beyond.

Participants Feedback on YTC 2024

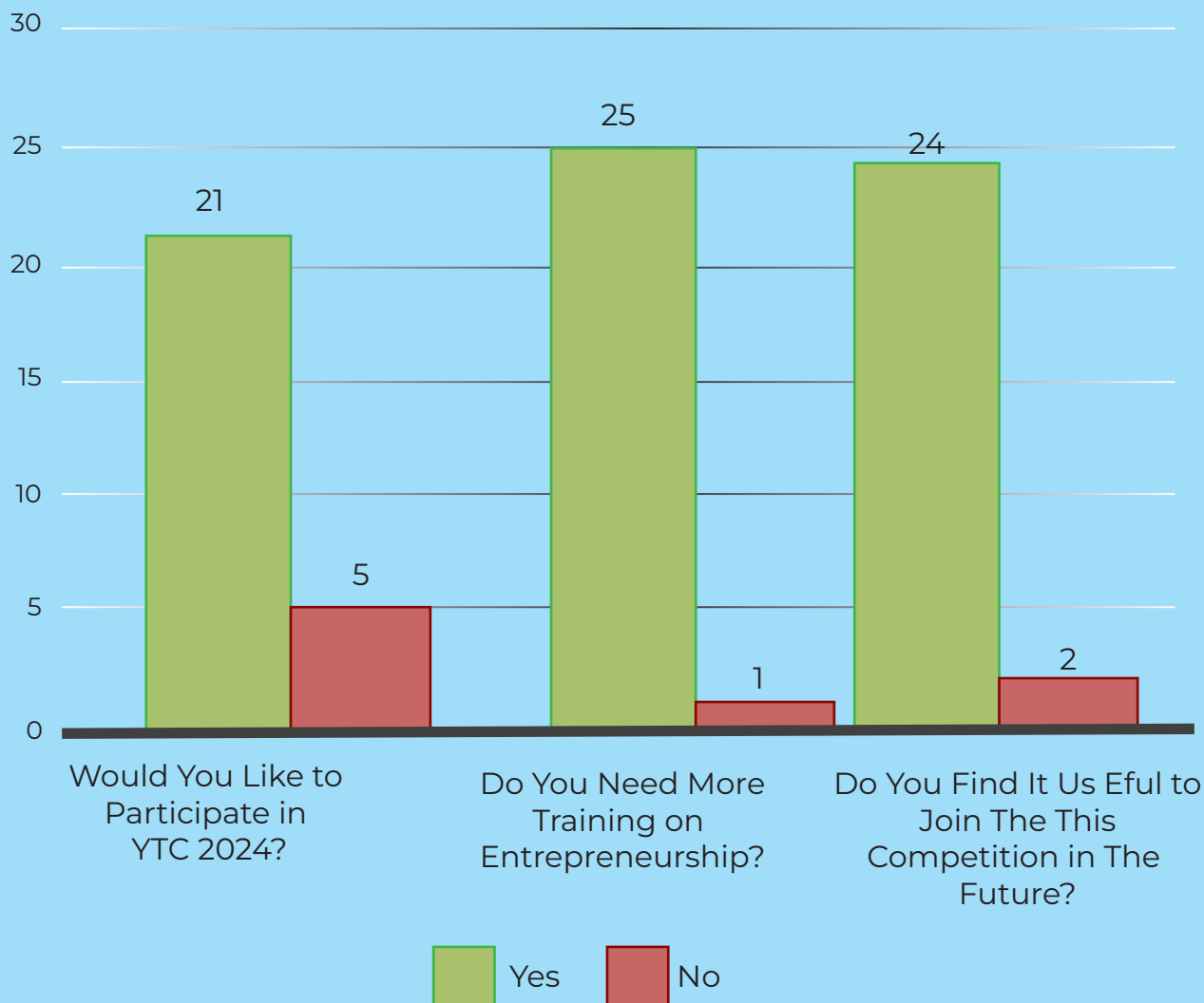


Figure 6: Participants Feedback on YTC 2024

Figure 6 provides an insight into the participants' feedback regarding their participation in YTC 2024: When asked if they would like to take part in YTC 2024, a significant majority of 81% responded with a "YES," indicating their interest and willingness to participate again in the future. Furthermore, when questioned about the need for more training on entrepreneurship, an overwhelming 96% of the students expressed their desire for additional training in this area, reflecting their enthusiasm for further development. Finally, inquiring about the usefulness of joining this competition in the future, a substantial 92% of the participants responded with a confident "YES," highlighting the positive impact and value they perceive in participating again. The feedback from Figure 6 shows that the majority of participants have shown strong interest in continuing their involvement in YTC, as they highly value the experience and recognize the importance of ongoing entrepreneurship training.

7.0

SWOT ANALYSIS

SWOT analysis was carried out by the Working Group Committee and below is the summary.

Strength

- 🎯 Good support and publicity from Ministry of Education and State Education Department of Malaysia
- 🎯 The instruction given is clear and the organiser is very friendly
- 🎯 Ability to keep-up to the deadline
- 🎯 Capacity to invite large numbers of judges
- 🎯 High number of participating teams

Weakness

- 🎯 To increase international participation
- 🎯 To increase participation for Category 2: Age 18-30
- 🎯 Some teams are still poor in understanding business plan
- 🎯 Few shortlisted teams face poor internet connection and limited assistance from mentors

Threat

- 🎯 Need for adequate funding
- 🎯 Other similar competitions

Opportunity

- 🎯 Develop better links with industry for mentorship, training and funding

Recommendation

- 🎯 More active promotion to reach wider audience globally
- 🎯 Organise more training on Business and Entrepreneurship before participants preparing their business plan report
- 🎯 Form better links with the industry
- 🎯 Explore more sources of funding

8.0

CONCLUSION

We like to congratulate the participants on their resounding success in completing their journey with this year's Young Technopreneurs Challenge (YTC)! In its inaugural year, YTC attracted an impressive participation of 225 teams.

The overwhelming response was evident not only in the number of teams but also in the encouraging amount of Business Plan Reports received. This level of engagement showcases the enthusiasm and dedication of the participants towards the competition.

The success of YTC 2023 would not have been possible without the invaluable contributions of our sponsors, trainers, judges, and volunteers. Their support and commitment played a crucial role in making the event a resounding success. We extend our heartfelt gratitude to each and every one of them for their dedication and belief in the potential of young technopreneurs.

We eagerly look forward to an even more exciting and rewarding journey in YTC 2024. With the continuous support of our community and the unwavering passion of the participants, we are confident that the future editions of YTC will be filled with innovation, creativity, and entrepreneurial spirit. We also hope the participants will continue their journey of entrepreneurship and discovery, and take YTC as one step of many towards their life journey in finding their purpose in life.

Once again, a sincere thank you to everyone involved in making YTC 2023 an outstanding accomplishment. Together, we hope to continue to empower the next generation of technopreneurs and create a brighter future for all.

Thank you!



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