



قوليتيكنيك بروني
POLITEKNIK BRUNEI



CALLING YOUNG INNOVATORS

2024 POLITEKNIK BRUNEI INNOVATION AWARD Competition

“SMART SOLUTIONS FOR A SUSTAINABLE FUTURE”

OPEN TO ALL PB STUDENTS

PROJECT JUDGING CRITERIA:

- 1) PRESENTATION - [10%]
- 2) MARKETABILITY - [10%]
- 3) EXPECTED BENEFITS - [20%]
- 4) UNIQUENESS - [30%]
- 5) FEASIBILITY - [30%]

DEADLINE: 16 JULY 2024

For more information,

Email us at: innovation.award@pb.edu.bn



**PRIZES
TO BE WON**

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MEDAL AND
CERTIFICATE**

REGISTER HERE:



<https://bit.ly/PBIAC-Reg-2024>



THE INNOVATION AWARD

Welcome to the Innovation Award 2024, a platform dedicated to celebrating and honoring outstanding innovations that are driving positive change and shaping the future. This competition seeks to recognize students that have demonstrated exceptional creativity, ingenuity, and impact through their innovative solutions, projects, or initiatives. Herewith, we invite you to showcase your groundbreaking ideas and join us in shaping a brighter tomorrow.

Innovation Award is an annual competition with the following objectives:

- To foster creative and innovative culture among the students of Politeknik Brunei.
- To enhance students' 21st-century learning skills through collaboration on projects, exchange of ideas, and active involvement in decision-making and taking ownership of every process during the journey.
- To showcase potential projects/prototypes to be commercialized, relevant to respective industries.

The Innovation Award will encompass a diverse array of competition entries, each representing the ingenuity, creativity, and groundbreaking ideas of innovators amongst students of Politeknik Brunei. These entries will span across various educational backgrounds, showcasing innovative solutions to pressing challenges, groundbreaking technological advancements, and impactful social initiatives to innovate for a better future.

As we embark on this journey into the future, let us embrace the spirit of innovation and celebrate the students who dare to dream, and let this platform be able to shape a world that is brighter, bolder, and more innovative than ever before. Welcome to the Innovation Award 2024 - a celebration of excellence, a catalyst for change, and a beacon of hope for the future.

COMPETITION OVERVIEW

This year's Innovation Award 2024 theme:

“Smart Solution for a Sustainable Future”

The theme aims to inspire participants to develop forward-thinking, technologically advanced solutions that leverage digitalization and the principles of the Fourth Industrial Revolution (Industry 4.0). This competition encourages innovators to harness the power of emerging technologies to address key sustainability challenges and drive transformative changes across various sectors.

“Smart Solution” refers to an advanced, often technology-driven approach designed to address specific problems or enhance efficiency in various fields. These solutions typically incorporate elements of automation, artificial intelligence, data analytics, and connectivity to optimize performance and provide intelligent insights.

A Smart Solution can be a product, application, or service. Examples of smart solutions include smart home systems, predictive maintenance in manufacturing, intelligent transportation systems, and advanced healthcare diagnostics.

“Sustainable Future” refers to a vision of development and progress that meets the needs of the present without compromising the ability of future generations to meet their own needs. It encompasses economic, social, and environmental dimensions, aiming for a balance that ensures long-term viability and health of the planet and its inhabitants.

Achieving a sustainable future involves concerted efforts at all levels, from individual actions to global policies, and requires collaboration across sectors and disciplines. It is about creating a world where both people and nature can thrive together.

This theme aligns with the global shift towards more sustainable and resilient systems, encouraging participants to think critically and innovatively about how digital technologies and Industry 4.0 can be harnessed to create a sustainable future. Participants are challenged to propose smart, actionable solutions that not only address immediate challenges, but also contribute to the long-term well-being of society and the planet.

THE COMPETITION BRIEF

The Innovation Award 2024 competition entries encompass a wide range of projects from five different schools under Politeknik Brunei as follows:

1. School of Business
2. School of Information and Communication Technology
3. School of Science and Engineering
4. School of Health Sciences
5. School of Petrochemical

The project focuses on creating and presenting prototype proposals to address specific challenges or opportunities in participants' chosen fields. Participants will conceptualize and design prototypes, aiming to showcase the feasibility and functionality of their innovative ideas. They should consider factors like user needs, technical feasibility, and market viability, developing prototypes in various forms, such as physical models or digital simulations. Through iteration, feedback, and collaboration, participants refine their designs to demonstrate proof of concept and potential real-world impact. The goal is to produce prototypes that effectively address identified challenges and offer meaningful solutions.

COMPETITION ENTRY

There will be two stages of the competition as explained below:

STAGE 1: VIDEO SYNOPSIS PRESENTATION

The first level requires participants to create a video presentation that explains their project. Participants must finish the presentation in a manner consistent with the standards outlined below.

VIDEO SUBMISSION REQUIREMENTS

The video should contain and run in the following sequence:

a)	Project Title Page	Video title should follow the following format: '(Project Title)', Group Name, & Innovation Award Competition 2024 For example; 'Tag Card Pro', by Tag Technologies, Innovation Award Competition 2024
b)	Copyright statement	To include centrally aligned disclaimer below: <i>The contents of this video, including (but not limited to) all written, images, photos and code are copyright of Politeknik Brunei – ©Politeknik Brunei 2024.</i> <i>All right reserved.</i> <i>"You may not copy, reproduce, modify, republish, transmit or distribute any material from this video without written permission."</i>
c)	Meet up the Team	The team description should introduce the team members and their roles within the project that gives readers a clear understanding of who is involved in the project and how each member contributes to its development and implementation.
d)	Introduction	In the introduction, participants articulate the problem they are addressing and its significance. They state the project's goals and briefly outline their approach. Overall, the introduction aims to give a clear understanding of the project's objectives and purpose.
e)	Problem Identification	The problem identification section sets the stage for the rest of the project. Participants should

		clearly define the issue they are addressing, explain why it matters, and who it affects. They can provide background information and any research they have done to support their understanding of the problem.
f)	Proposed Solution <ul style="list-style-type: none"> ● Prototype Explanation ● Prototype demonstration/showcase 	<p>Participants should outline their ideas for addressing the identified problem. They need to explain how their solution will work and why it is effective.</p> <p>This might include describing the features of their prototype or how it will be used in real-life situations. Participants should also mention any advantages their solution has over existing ones.</p> <p>It is essential to keep the explanation clear and straightforward, making it easy for readers to understand the proposed solution's benefits and potential impact.</p>

VIDEO SUBMISSION GUIDELINES

1. **The video presentation should be done in a professional and appropriate manner.**
2. Video duration must be a maximum of **(3) three minutes**.
3. **Audio must** meet the required criteria below:
 - a. English language.
 - b. Presented by team members.
 - c. Clear and audible.
 - d. Low to no background noises.
 - e. (Optional): Special sound effects / background music may be added to your video, if it is appropriate, does not interfere with audio description, does not contain copyrighted items and is relevant to your presentation.
4. **Subtitles** are required throughout the video presentation to facilitate audio description.
5. Video file must be saved in a single **MP4** format (minimum **720p HD Quality**).
6. Video file size **must not** exceed 500MB.
7. The video calls for creativity and **should not** include the face of the presenter.
8. The video must be renamed to **Video_{Project Name}.mp4**

STAGE 2: PROJECT PITCHING

ALL successful shortlisted project teams will be invited to present their projects in front of panels of judges in a one-day event, physically. This face-to-face interaction allows judges to assess the projects firsthand and provides participants with a platform to effectively communicate their ideas and findings.

During the event, participants will have to stand before a group of evaluators and explain their projects, likely using visual aids or demonstrations to support their presentations. They will have the opportunity to showcase their work prototype, answer questions from the judges, and demonstrate their understanding and expertise in their respective fields.

ASSESSMENT DAY REQUIREMENT

On presentation day, it is crucial to have all the necessary items to ensure a smooth and successful delivery. Here is a list of items you might need for your presentation assessment:

1. An allocation of up to a **maximum of 30 minutes** will be allocated per team which includes **10 minutes presentation and 20 minutes question and answer**.
2. **Digital Presentation Slides** should be properly prepared, ready to be displayed and bring any necessary equipment such as a laptop, projector, or pointer to support their presentation.
3. **Your Project Prototype:** make sure they are set up and functioning correctly for demonstration.

By ensuring you have all these items prepared and ready to go, you can focus on delivering a polished and impactful presentation on the day of your assessment.

PRESENTATION PITCHING REQUIREMENTS

Your presentation slide should contain items below in the following sequence:

a)	Project Title Page	The title should follow the following format: '(Project Title)', Group Name, & Innovation Award Competition 2024. A template will be provided. For example: 'Tag Card Pro', by Tag Technologies, Innovation Award Competition 2024
b)	Copyright statement	To include centrally aligned written statement below:

		<p><i>The contents of this video, including (but not limited to) all written, images, photos and code are copyright of Politeknik Brunei – ©Politeknik Brunei 2024.</i></p> <p><i>All right reserved.</i></p> <p><i>“You may not copy, reproduce, modify, republish, transmit or distribute any material from this video without written permission.”</i></p>
c)	Meet up the Team	The team description should introduce the team members and their roles within the project that give readers a clear understanding of who is involved in the project and how each member contributes to its development and implementation.
d)	Introduction	In the introduction, participants articulate the problem they are addressing and its significance. They state the project's goals and briefly outline their approach. Overall, the introduction aims to give a clear understanding of the project's objectives and purpose.
e)	Problem Identification	The problem identification section sets the stage for the rest of the project. Participants should clearly define the issue they are addressing, explain why it matters, and who it affects. They can provide background information and any research they have done to support their understanding of the problem.
f)	Proposed Solution <ul style="list-style-type: none"> • Prototype Explanation • Prototype demonstration/showcase 	<p>Participants should outline their ideas for addressing the identified problem. They need to explain how their solution will work and why it's effective.</p> <p>This might include describing the features of their prototype or how it will be used in real-life situations. Participants should also mention any advantages their solution has over existing ones.</p> <p>It is essential to keep the explanation clear and straightforward, making it easy for readers to understand the proposed solution's benefits and potential impact.</p>
Project Analysis and Evaluation		
g)	Market	In the market analysis section, participants examine potential users for their solution, assess existing products or services, and identify market opportunities. They investigate customer needs,

		competitor offerings, pricing, and distribution channels. This analysis ensures their solution meets customer needs and is well-positioned for success.
h)	Financial <ul style="list-style-type: none"> ● Proposed Budget ● Return of Investment 	In the financial analysis, participants look at how much it will cost to make their solution and how much they might earn from it (proposed budget). They estimate expenses like materials and labor, and then predict how much they could make from selling their solution (Return of Investment). This helps them see if their project can make enough money to be successful.
i)	Feasibility <ul style="list-style-type: none"> ● Resources required 	In the feasibility analysis, participants evaluate whether their project is achievable and beneficial. They consider technical, economic, and operational aspects to determine if they have the necessary resources and if the project is financially viable and compatible with existing systems. This analysis helps participants decide whether to proceed with their project.
j)	Conclusion	In the conclusion, participants summarize their project's main findings, reflect on its significance, and discuss any limitations or future directions. It provides closure to the project, reaffirming its objectives and highlighting its contribution to the field.

ASSESSMENT DAY GUIDELINES

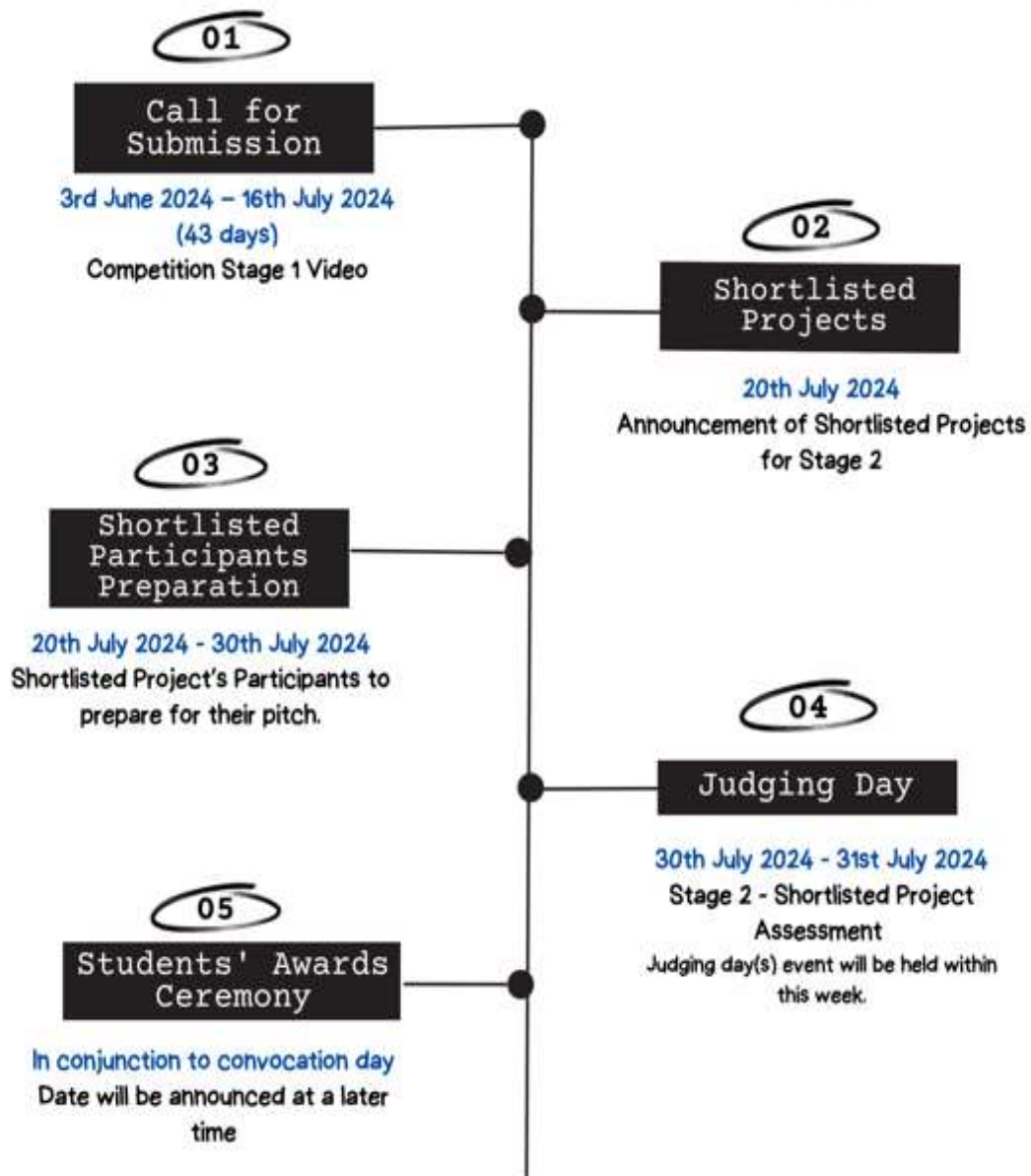
1. **Presentation Materials:** Bring printed copies of your presentation slides or any handouts for the judges to refer to during or after your presentation. No cue cards or presentation transcripts are allowed during the presentation.
2. **Professional Attire:** Dress appropriately in professional attire that reflects the seriousness of the occasion, demonstrating your respect for the assessment process.
3. **Confidence and Positive Attitude:** Lastly, exude reasonable confidence and a positive attitude to your presentation. Approach the assessment with enthusiasm and a willingness to engage with the judges and audience.

THE JUDGING CRITERIA

Innovation projects in the Diploma Level 5 Education were designed, aiming to foster creativity, problem-solving skills, and real-world application of knowledge. Here are four criteria that can help guide the development and assessment of such projects:

1.	Presentation	How well did you work with your team members? Did you communicate your ideas, progress, and outcomes clearly? Can you demonstrate effective collaboration and communication skills?	10%
2.	Marketability	Can the project adapt to changing market conditions and future demands? How effectively does the product identify and cater to its target audience, demonstrating an understanding of their needs, preferences, and behaviors? Are the projected returns on investment (ROI) favorable and realistic?	10%
3.	Expected Outcome	What impact could your project have on its intended audience or the broader community? Does it address significant issues, fulfill specific needs, or contribute to positive societal, environmental, or economic outcomes?	20%
4.	Uniqueness	How unique and original is your project idea? Have you introduced innovative concepts or offered creative solutions to the problem you are addressing?	30%
2.	Feasibility	Is your project feasible and practical to implement in real-world scenarios? Can you show how your ideas can be turned into tangible results that can be put into practice or scaled up?	30%
TOTAL MARKS			100%

SUBMISSION TIMEFRAME



COMPETITION REGISTRATION PROCEDURE

- i. Participants may start submitting their project(s) from **3rd June 2024, 9.00a.m.** until **16th July 2024, 11:59p.m.**
- ii. To register for these competitions, prospective participants will need to fill up an online Google Sheets Registration Form. **This online Google Sheets Registration Form link is included in the Innovative Award Competition 2024 Invitation Email.**
- iii. Information and data will be kept **strictly confidential between the organizer and the participants** and will not be shared with third parties.
- iv. By submitting entries, participants are deemed to have read, understood, and agreed to the Terms and Conditions. Any breaches of the terms and conditions will be subject to automatic disqualification and the organizer will not be responsible for any dissatisfaction or complaint.
- v. Judges' decision is final.

GENERAL TERMS AND CONDITIONS

ENTRIES

- i. The competition is open to current Politeknik Brunei students only.
- ii. Participants can join the competition as an individual or in teams, up to a maximum of 5 members in a group. No changes of team members are allowed after the submission deadline and only one entry is allowed per individual or team.
- iii. Participants may consist of students from different schools.

CONTENT OF SUBMISSIONS

- i. Entries must not necessarily be new; they can be from students' existing projects. It must be original and not copied from other sources.
- ii. However, submission entries must not have been previously published, products that are available in the market or received awards at any other competitions.
- iii. Participants are responsible for ensuring infringement of racial sensitivity, religion, political views, and violence of any kind, sexually explicit materials, obscenity, profanity, or nudity will be subject to immediate disqualification.
- iv. Participants must ensure that they own the copyright for their materials and that their entry does not infringe on the privacy rights, copyright, or any other rights of any organization or individual.
- v. Participants are advised not to include confidential or proprietary information in their entries, as the organizers cannot guarantee absolute confidentiality.

ASSESSMENT AND SHORTLISTING

- i. The entries will be reviewed by internal and external assessors and participants of shortlisted entries will be notified.
- ii. Suitable judges for the assessment and evaluation of entries will be identified and appointed by the organizing committee.
- iii. All decisions of the organizing committee (including those of the shortlisting and judging panels) are final, and no correspondence will be entertained.

OWNERSHIP

- i. Participants will retain ownership of their entries.
- ii. By submitting an entry, participants grant the organizers a non-exclusive, royalty-free license to use, modify, and distribute their entries for promotional and marketing purposes related to the competition.
- iii. The organizers may feature winning entries in promotional materials, websites, social media, and other communication channels, with appropriate attribution to the participants.
- iv. The organizers will take reasonable measures to protect the confidentiality of sensitive information submitted as part of the competition entries.
- v. The organizers reserve the right to amend the terms and conditions at any time without prior notice. In the event amendments are made, the revised terms and conditions shall be notified to participants immediately.

QUESTIONS AND ENQUIRIES REGARDING COMPETITIONS

- i. Any questions or inquiries, please contact us via the email provided below:
Email: innovation.award@pb.edu.bn