SUSTAINABLE ENERGY DEVELOPMENT AUTHORITY (SEDA) MALAYSIA

2nd SEDA INNOVATION CHALLENGE (SIC) 2026

STAGE 2: DOCUMENTATION

Project Title	**:**	
Team Name	**:**	
Institution	**:**	
Category	**:**	**(A / B)**
Scope	**:**	**(1 /2 / 3 / 4 / 5 / 6)**
Team Members	**:**	**1)** **2)** **3)** **4)**

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1. EXECUTIVE SUMMARY

Provide a concise and comprehensive overview of the proposed project.

The summary should clearly outline:

- The problem being addressed
- The proposed solution or innovation
- The key technical approach or methodology
- The expected impact and benefits

Recommended length: 150 – 250 words

2. PROBLEM STATEMENT & BACKGROUND

Provide a clear and well-supported explanation of the problem or challenge your project seeks to address.

Your response should cover:

- The background and context of the issue
- The importance and implications of the problem
- Its connection to sustainable energy and overall sustainability
- Evidence is supported by data, references, or case studies.

Teams are strongly encouraged to support their discussion with relevant data, credible sources, and practical examples.

3. INNOVATION CONCEPT & PROPOSED SOLUTION

Provide a detailed description of the proposed innovation and how it effectively addresses the identified problem.

Your response should include:

- An overview of the solution
- The core concept and key features of innovation
- The novelty and uniqueness of the approach
- A comparison with existing solutions, highlighting key differences and improvements

Participants are encouraged to include concept sketches, diagrams, or visual illustrations to enhance clarity and understanding.

4. CONCEPT DEVELOPMENT / TECHNICAL EXPLANATION

Explain how the proposed solution works from both a conceptual and technical perspective.

Your explanation should include:

- The overall concept flow or system workflow
- The key technologies, components, or tools involved
- The process or methodology employed
- An assessment of technical feasibility
- Key design considerations
- The implementation stages

Visual illustrations such as diagrams, sketches, or flowcharts are encouraged to enhance clarity.

5. RESULTS / OUTPUT / EXPECTED PERFORMANCE

Describe the expected or demonstrated results of the project.

For Category A – Ideation:

- Expected outcomes
- Potential results if the solution is implemented

For Category B – Prototype:

- Testing conducted
- Performance indicators
- Observation and outcomes
- Result and discussions

You may include:

- Graphs
- Data tables
- Performance metrics

6. PROTOTYPE DESCRIPTION (CATEGORY B ONLY)

If you are submitting under **Category B - Prototype**, describe your prototype in detail.

Include:

- Prototype design
- Materials and components used
- Functionality of the prototype

- Development process

Photos or diagrams of the prototype may be included

7. IMPACT AND SUSTAINABILITY

Explain the potential benefits of your innovation.

Your discussion should include, but is not limited to, the following aspects:

- Environmental impact
- Social and/or economic benefits
- Contribution to sustainable energy and broader sustainability goals
- Potential for real-world application

8. FEASIBILITY AND FUTURE DEVELOPMENT

Describe how the proposed idea can be implemented and further developed.

Include:

- Technical feasibility
- Possible challenges and proposed mitigation strategies
- Opportunities for future improvements or development potential

9. PROGRESSION (FOR PREVIOUSLY DEVELOPED PROJECTS ONLY)

Teams submitting projects that have been previously developed, presented or entered in other competitions must clearly demonstrate the progression made specifically for SIC 2026.

This section should highlight the new improvements, enhancements or developments introduced compared to the earlier version of the project.

Teams should clearly explain:

- What aspects of the project were previously developed
- The specific improvements or modifications made for SIC 2026
- New features, functions or technical enhancements introduced
- Improvements in design, system performance or implementation approach
- Additional testing or development progress

10. CONCLUSION

Summarize the key strengths of the project and its potential contribution to sustainable energy and sustainability innovation.

References

Include relevant references; no specific style is required.

DOCUMENT FORMAT REQUIREMENTS

1. Formatting Guidelines

Participants must prepare the project documentation according to the following specifications:

- **Font:** Calibri
- **Font Size:** 12 pt
- **Page Size:** A4
- **File Format:** PDF (file name: Team Name.pdf)

2. Additional requirements:

- All figures, tables, photos and diagrams must be clearly labelled and appropriately captioned.
- All pages should be numbered.
- Images and diagrams should be clear, high-quality and relevant to support the explanation.
- Please name the document file using your team's name (e.g.: Team Name.pdf).