



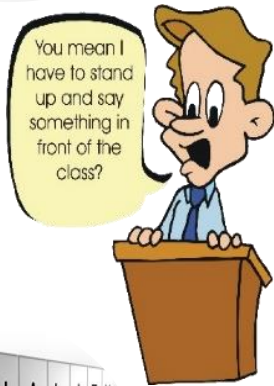
**JUDGING CRITERIA FOR
INVENTION PITCH VIDEO AND
PROJECT REPORT WRITING**

Session Introduction

At the end of this session you should:

- Understand the scoring mechanism for the Invention Pitch Video
- Understand the scoring mechanism for the Report Writing
- Understand the submission process and submission deadline

Judging Criteria for Invention Pitch Video (100 Marks)



Invention/Innovation

50%

Quality of Production

20%

Presentation

30%

Please note that the scoring is representative and is subject to change

Invention/Innovation (50%)

INVENTION/ INNOVATION Introduction (10%)



The introduction includes:

- i. Description of the team
- ii. Problem statement
- iii. Relevance to theme
- iv. Description of innovation
- v. Originality of innovation



SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD



Invention/Innovation (50%)

INVENTION/ INNOVATION

Adoption and adaptation of scientific concepts in the invention/innovation (10%)



Adoption and adaptation of scientific concepts in the innovation refers to:

- i. Justification of the scientific problem
- ii. How the invention/innovation develops the learning of at least ONE scientific concept
- iii. The approach used in the invention/innovation is unique and novel; how different is it in compared to existing solutions in solving the problem identified
- iv. Ethics - reliable acknowledgement/ references

Invention/Innovation (50%)

INVENTION/ INNOVATION Methodology (10%)



The methodology employed in the production of the invention/innovation includes:

- i. The thought process in identifying materials to be used
- ii. Practicality of the material usage in terms of cost, safety and scalability
- iii. A user can safely assemble/ produce the invention/innovation with minimal/ without the supervision of an expert

Invention/Innovation (50%)

INVENTION/ INNOVATION

Impact (10%)



The invention/innovation impacts in terms of:

- i. It is economically viable to address all levels of society
- ii. It can be handled with minimal/without the supervision of an instructor
- iii. It has the capability of being a catalyst for more inventions
- iv. It is made from environmentally friendly materials
- v. It has the potential of addressing a global need

Invention/Innovation (50%)

INVENTION/ INNOVATION
Commercialisation/Entrepreneurship Potential (10%)



The invention/innovation :

- i. Market/ Target: Overview: Can understand the targeted market/ segment
- ii. Competition: can understand and provide the market barriers/ competitors/ alternatives
- iii. Project Costing: Understand the importance of managing project costing
- iv. Business model: Understanding the importance of revenues and ability to show production of profit. (Profit= Revenue - Cost)
- v. Readiness of prototype: The prototype do not require major changes for commercialisation potential

Quality of Production (20%)

QUALITY OF PRODUCTION Time/ Duration of video (5%)



The video fulfils the following criteria:

- i. Time duration: 5 minutes
- ii. Language : English
- iii. Team : 2 - 5 pax only
- iv. Appropriate title
- v. Team Introduction/Credits

Quality of Production (20%)

QUALITY OF PRODUCTION

Audio Quality (5%)



The video fulfils the following criteria.

- i. Sound effect/ Music
- ii. Volume of speaker/ participant
- iii. Accuracy and Fluency
- iv. Language appropriateness

Quality of Production (20%)

QUALITY OF PRODUCTION

Visual Quality (5%)



The video fulfils the following criteria.

- i. Graphic/ Animation
- ii. Colour Scheme (Background Colour)
- iii. Text and Font (Readability)
- iv. Video Resolution
- v. Camera Techniques (Exposure/Focus of content)

Quality of Production (20%)

QUALITY OF PRODUCTION

Film Making or Video Production Ability and Skills (5%)



The video displays the following criteria.

- i. Storyboard (Video Structure)
- ii. Screenplay (Clear explanation in terms of dialogue or illustration)
- iii. Creativity (Able to attract the viewer/ audience)
- iv. Digital Editing (Able to crop/cut, add music/sound effects, use visual effects, apply transitions, add titles and credits effectively)
- v. Image/Video Copyright (citation of image/video that is being copied from other resources)

Presentation (30%)

Presentation Communication skills (10%)



The presentation highlights the following criteria.

- i. Well-articulated storyline
- ii. Fluent
- iii. Confident
- iv. Clear interpretation of scientific principles
- v. Detailed elaboration of the scientific content

Presentation (30%)

Presentation Style of Presentation (10%)



The presentation displays the following criteria.

- i. Attractiveness
- ii. Able to engage with the audience
- iii. Creativity in delivering scientific information
- iv. Display of professionalism - Attire, Flow and Manner

Presentation (30%)

Presentation Technical Presentation (10%)



The presentation displays the following criteria.

- i. Explanation with scientific evidence
- ii. Logical explanation
- iii. Real-life examples provided
- iv. Future recommendation(s) for improvement

Judging Criteria for Report Writing (50 Marks)

No	Criteria	Scores Allocated
1	Problem Statement – short, clear, concise	5
2	Relevance to Theme-relevance to the Theme “Sustainable Development Goals (SDG)”.	2
3	Description of Invention-its purpose & objective; clear and easy to understand	5
4	Scientific Principle relevant to the invention- scientific Principle mentioned and explained	5
5	Originality – Novelty, justification of invention – not copied / plagiarized.	10
6	Diagram with specifications and Technicality – detailed diagram /figures with specifications, methodology and test parameters explained. Data and results well tabulated.	10
7	Benefits of the Invention/innovation-benefits of the invention/innovation stated and explained	3
8	Conclusion and Future Projects- Invention consistent and relates to the problem statement above, comparison made with existing invention, additional info which supports the invention i.e. scalability, practicality.	10

Judging Criteria for Report Writing

School Logo

Country:

State:

School Name:

Team Name:

Team Members Name:

1)

2)

3)

4)

5)

Team Mentors Name:

1)

2)

Judging Criteria for Report Writing

Table of Content:

Topic	Page Number
1) Problem Statement	
2) Relevance to Theme	
3)Description of Invention	
4) Scientific Principle relevant to the invention	
5) Originality	
6) Diagram with specifications and Technicality	
7) Benefits of the Invention/innovation	
8) Conclusion and Future Projects	

Judging Criteria for Report Writing

1) Problem Statement

-short, clear, concise and explain what problem are you solving.

2) Relevance to Theme

-Explain how your invention is relevance to the Theme “Sustainable Development Goals (SDG)”

3)Description of Invention

-its purpose & objective; clear and easy to understand

4) Scientific Principle relevant to the invention

-What are the scientific principles being addressed in your invention. Explain.

5) Originality

– Explain the novelty of your invention, justification of invention – not copied / plagiarized.

6) Diagram with specifications and Technicality

– detailed diagram /figures with specifications, methodology and test parameters explained. Data and results well tabulated.

7) Benefits of the Invention/innovation

-benefits of the invention/innovation stated and explained

8) Conclusion and Future Projects

- Invention consistent and relates to the problem statement above, comparison made with existing invention, additional info which supports the invention i.e. scalability, practicality.

Judging Criteria for Report Writing

Requirements:

- 1. Number of pages: Strictly not exceeding 5 pages including diagrams and references, excluding cover page and table of content. For reference format, please refer to the link below:
<https://umlibguides.um.edu.my/c.php?g=939660&p=6801197>*
- 2. Paper size: A4*
- 3. Font type: Times New Roman*
- 4. Font size: 12 points*
- 5. Spacing: Single Spacing*

Submission Deadlines

Both the
Invention Pitch Video (YouTube link)
And
Project Report (PDF)
should be submitted
by **10 September 2024, 11.59pm**

THANK YOU

