



Young Invent[💡]ors Challenge

Invention Pitch Video and
Project Report Judging Criteria

By the end of this session,
you should....

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





Invention Pitch Video: Judging Criteria

Invention Pitch Video: Judging Criteria

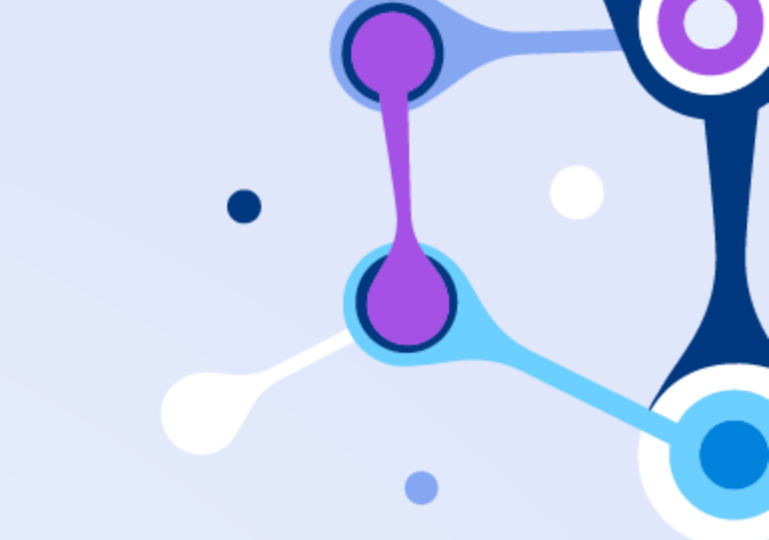
20% - Production Quality

30% - Presentation

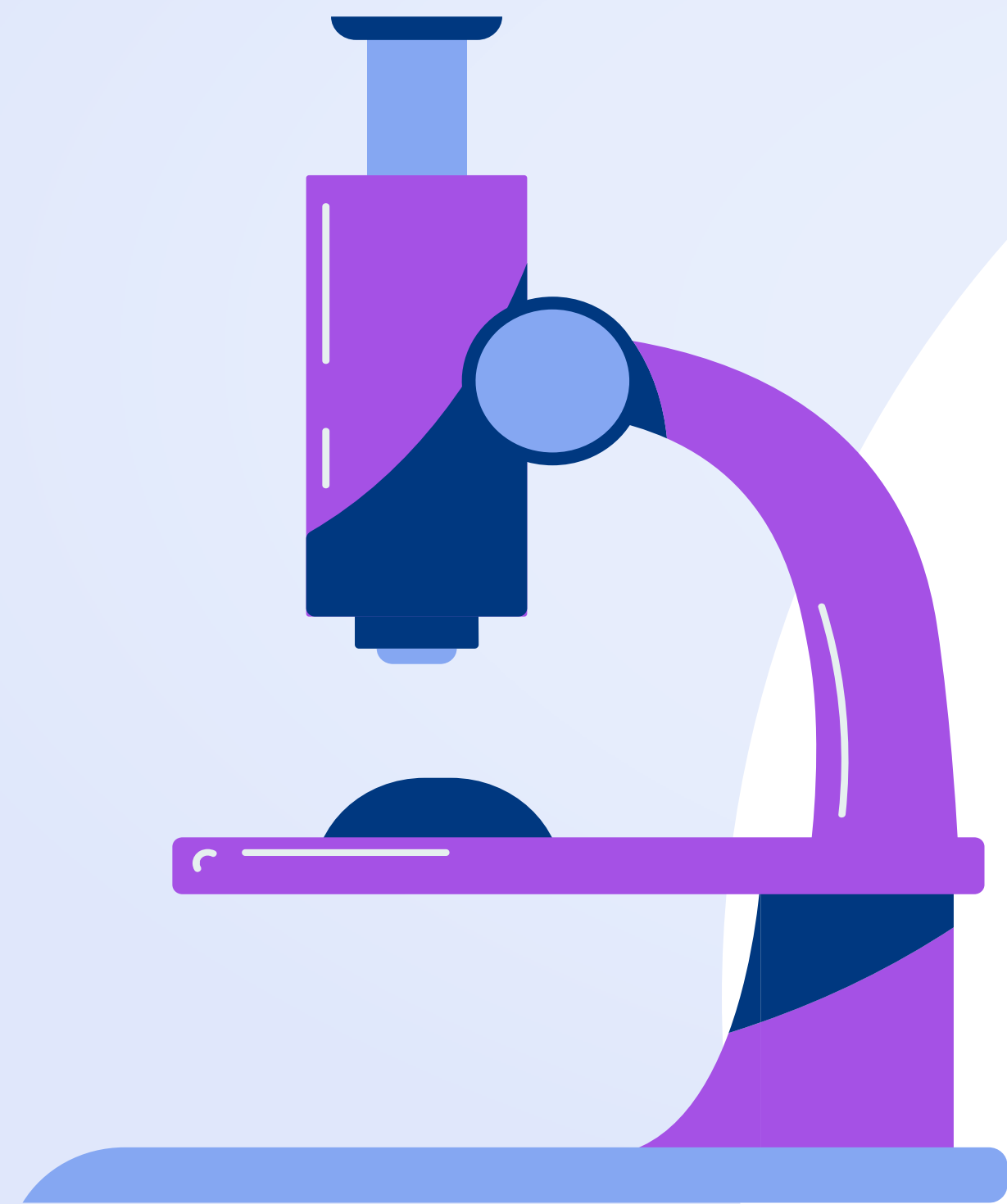
50% - Invention/Innovation

*May be subject to change(s)





50% - Invention/Innovation



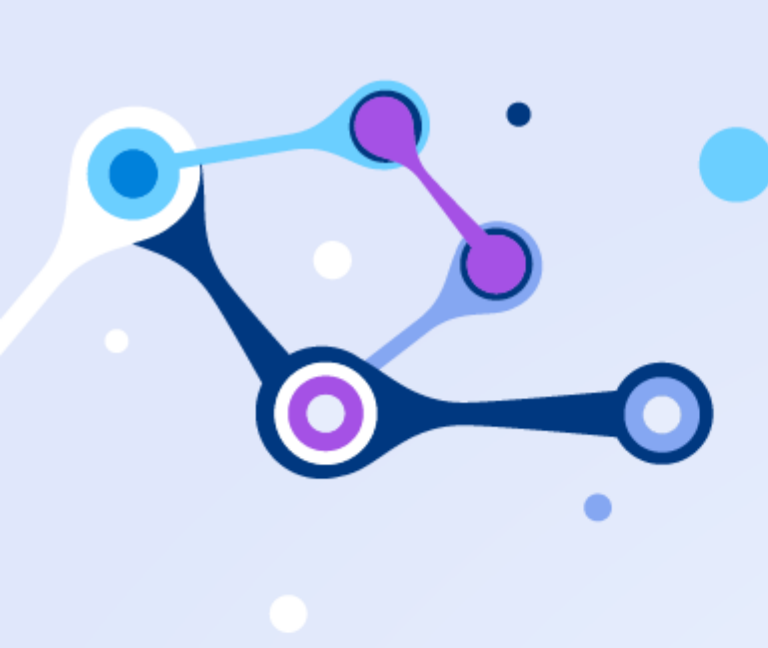
10% - Introduction

10% - Adoption and adaptation of scientific concepts

10% - Methodology

10% - Impact

10% - Commercialisation/Entrepreneurship Potential



10% - Introduction

Must include...

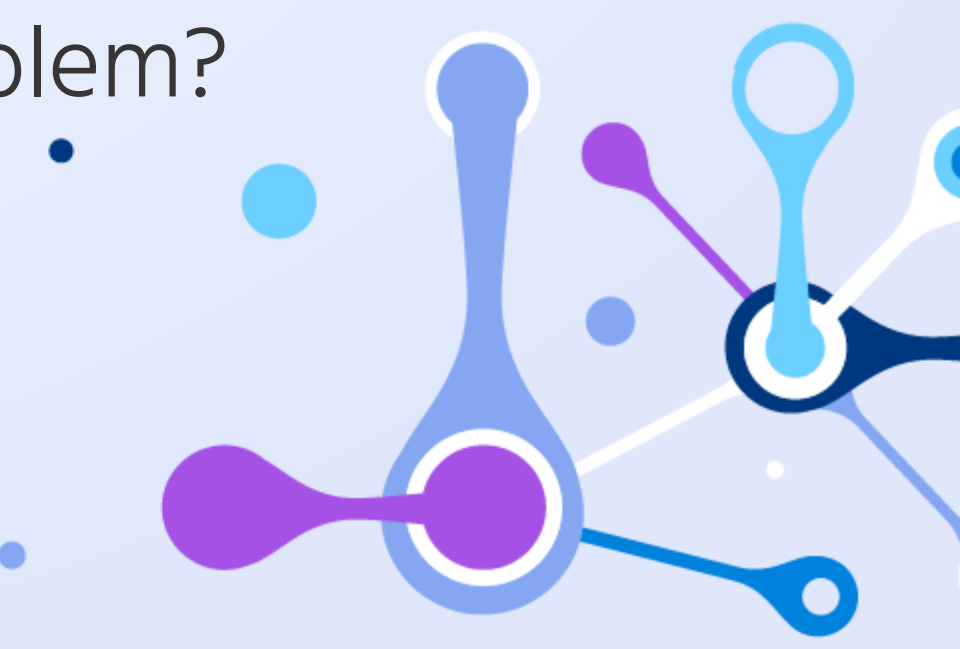
- 01 Description of the team
- 02 Problem Statement
- 03 Relevance to the theme
- 04 Description of the innovation
- 05 Originality of the innovation

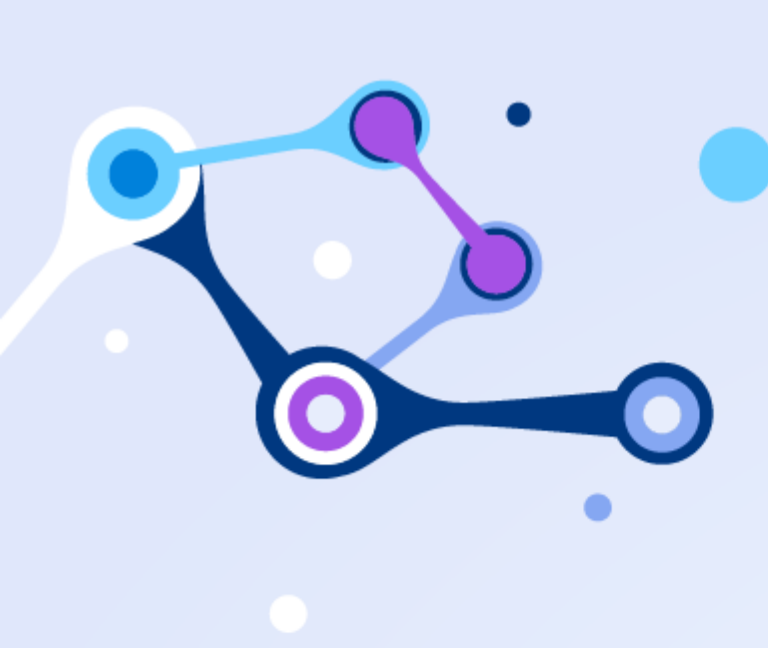




10% - Adoption and Adaptation of scientific concepts

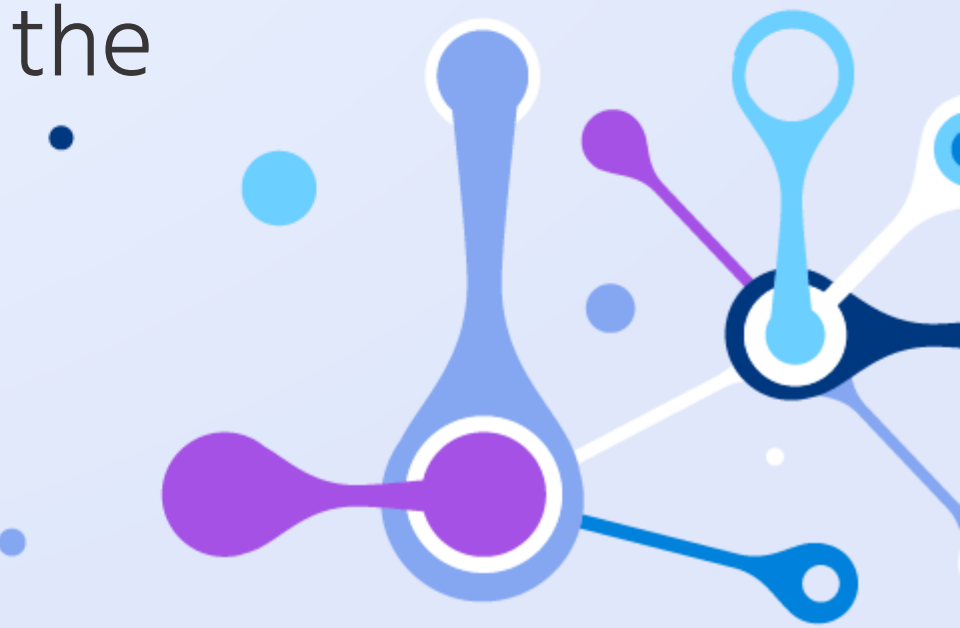
Adoption and adaptation of scientific concepts in the invention/innovation refers to....

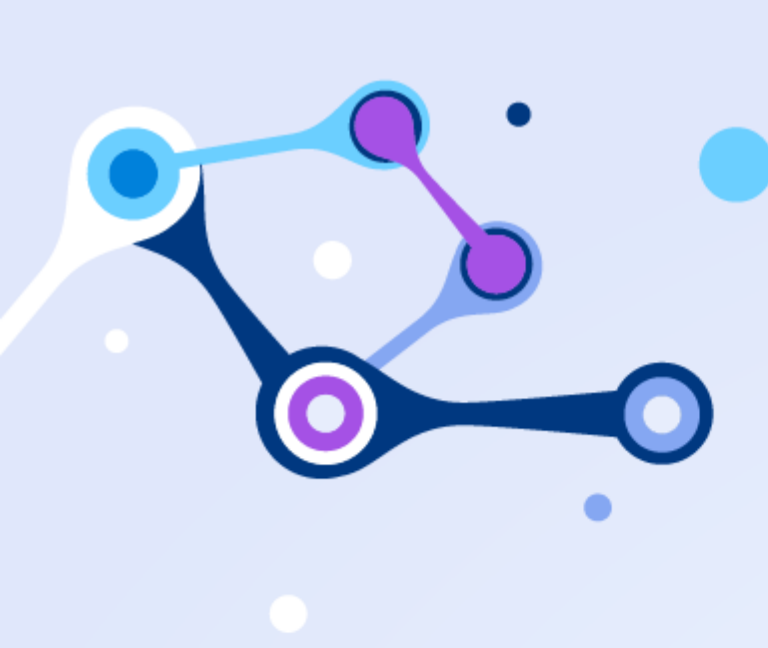
- 01 Justification of the scientific problem
 - 02 How the invention/innovation develops the learning of at least ONE scientific concept
 - 03 How unique is the invention; how different is it in comparison to existing solutions to the problem?
 - 04 Ethics - reliable acknowledgement/references
- 



10% - Methodology

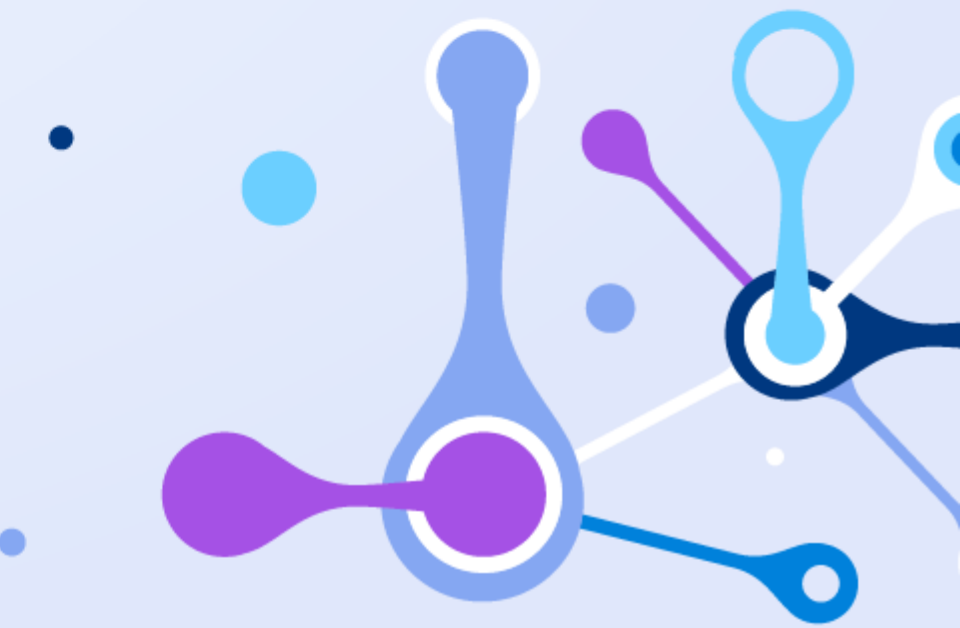
Must include...

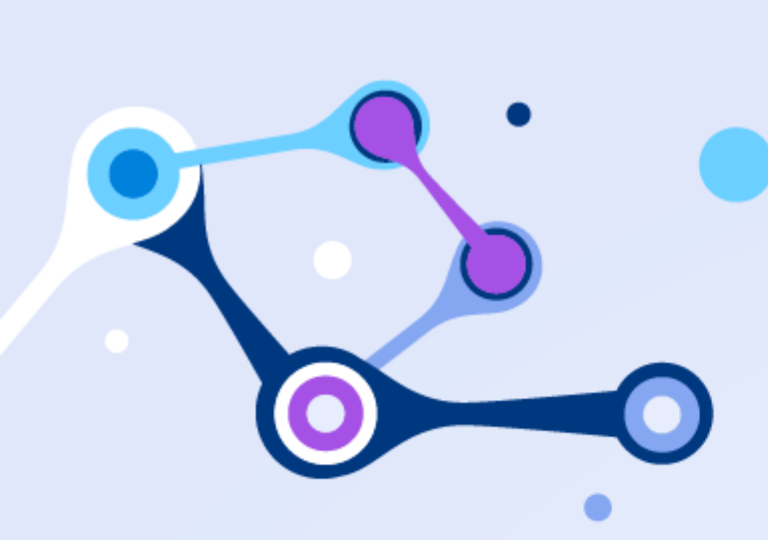
- 01 The thought process in identifying materials to be used
 - 02 Practicality of the material usage in terms of cost, safety and scalability
 - 03 A user can safely assemble/produce the invention/innovation with minimal/without the supervision of an expert/mentor
- 



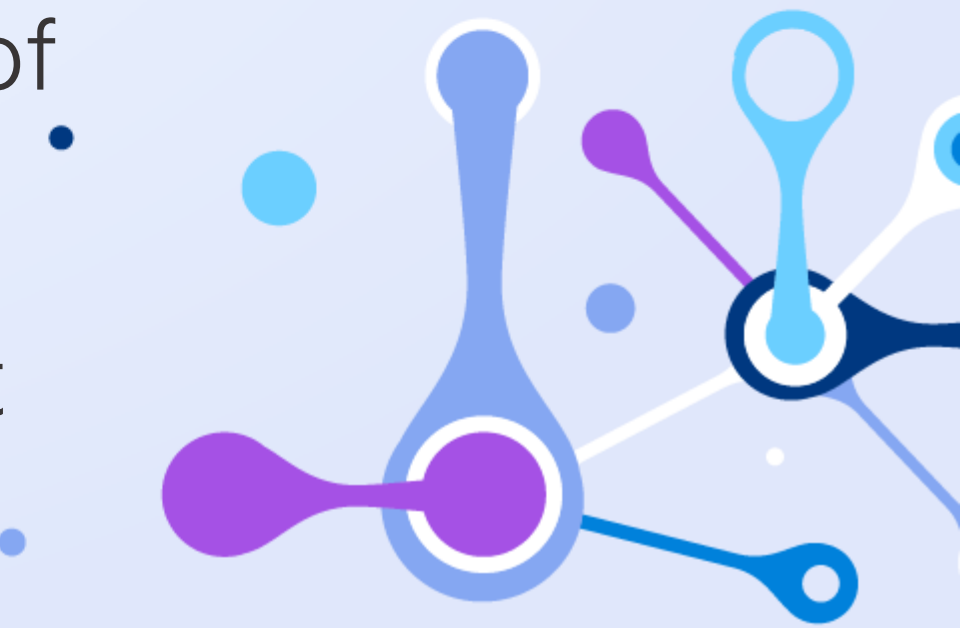
10% - Impact

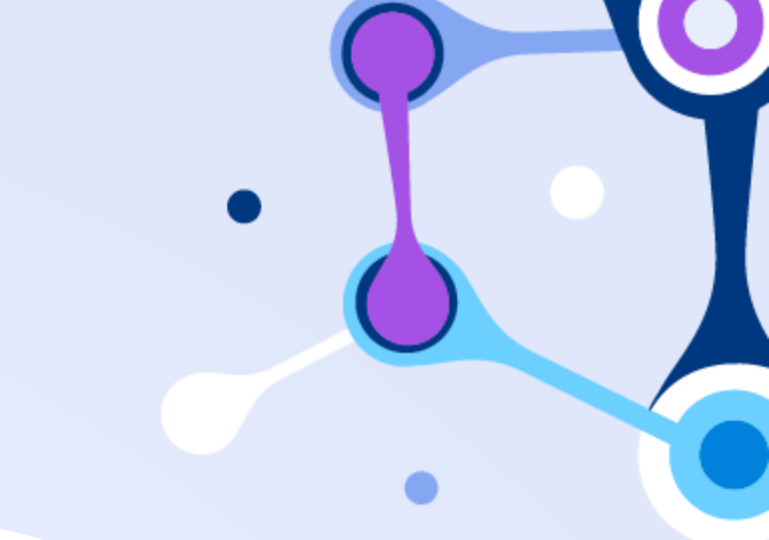
In terms of...

- 01 It is economically viable to address all levels of society
 - 02 It can be handled with minimal/without the supervision of an instructor
 - 03 It has the capability of being a catalyst for more inventions
 - 04 It is made from environmentally-friendly materials
 - 05 It has the potential of addressing a global need
- 

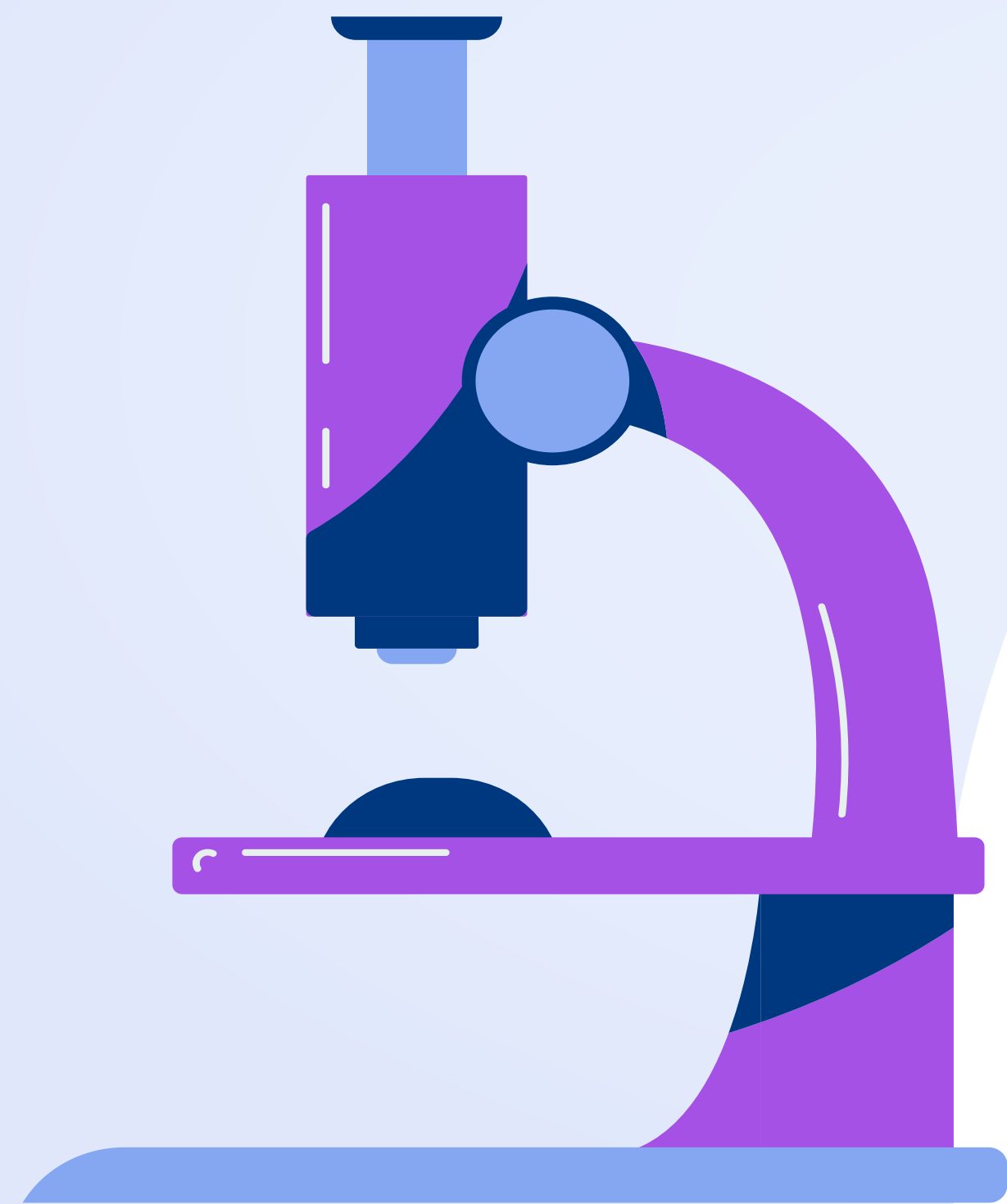


10% - Commercialisation/ Entrepreneurship Potential

- 01 **Market/Target Overview:** Can understand the targeted market/segment
 - 02 **Competition:** Can understand and provide market barriers/competitors/alternatives
 - 03 **Project Costing:** Can understand the importance of managing project costing
 - 04 **Business model:** Understanding the importance of revenues and ability to show production of profit
 - 05 **Readiness of prototype:** The prototype does not require major changes for commercialisation
- 



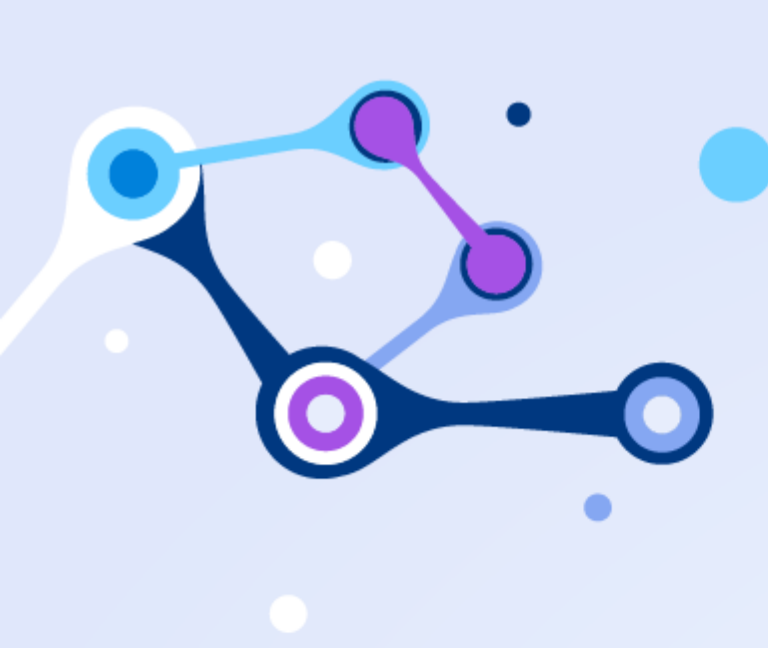
30% - Presentation



10% - Communication Skills

10% - Style of Presentation

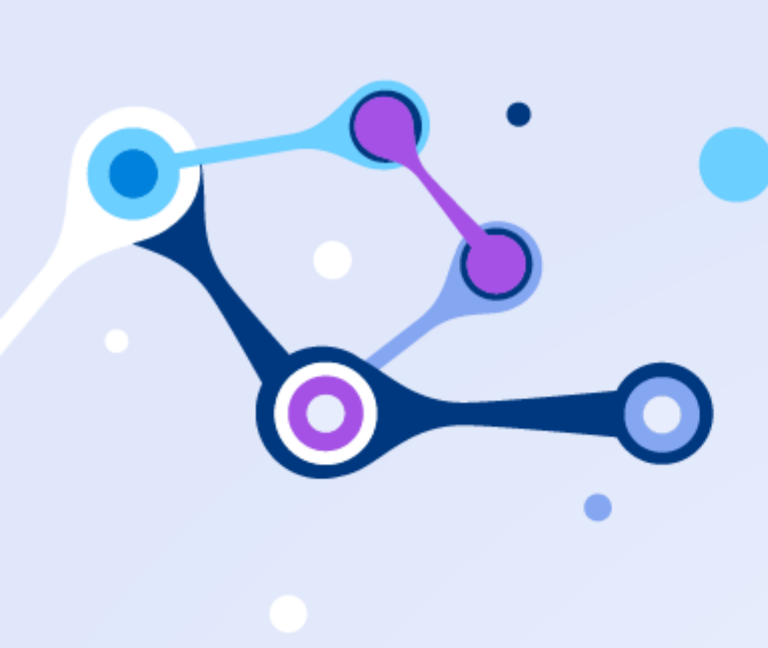
10% - Technical Presentation



10% - Communication skills

The presentation highlights the following criteria...

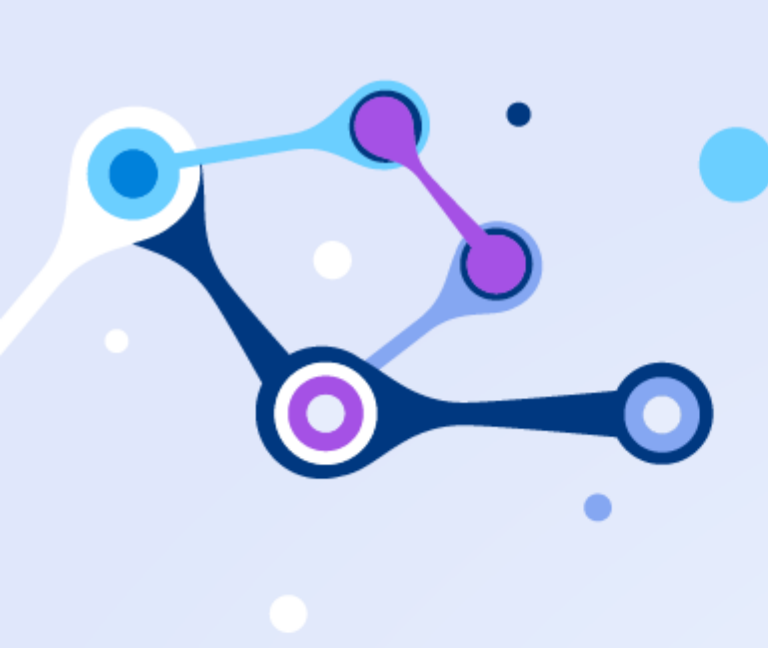
- 01 Well-articulated storyline
 - 02 Fluent
 - 03 Confident
 - 04 Clear interpretation of scientific principles
 - 05 Detailed elaboration of the scientific content
- 



10% - Style of Presentation

The video will be judged on...

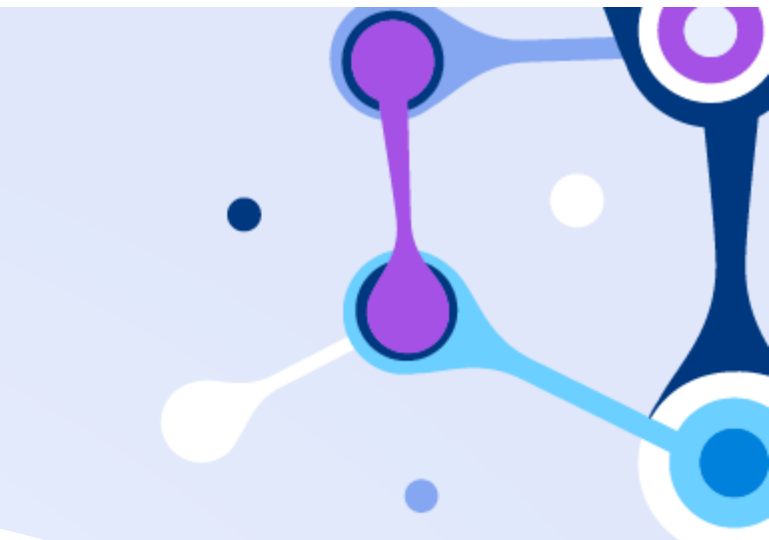
- 01 Attractiveness
 - 02 Able to engage with the audience
 - 03 Creativity in delivering scientific information
 - 04 Display of professionalism - Attire, Flow, and Manner
- 



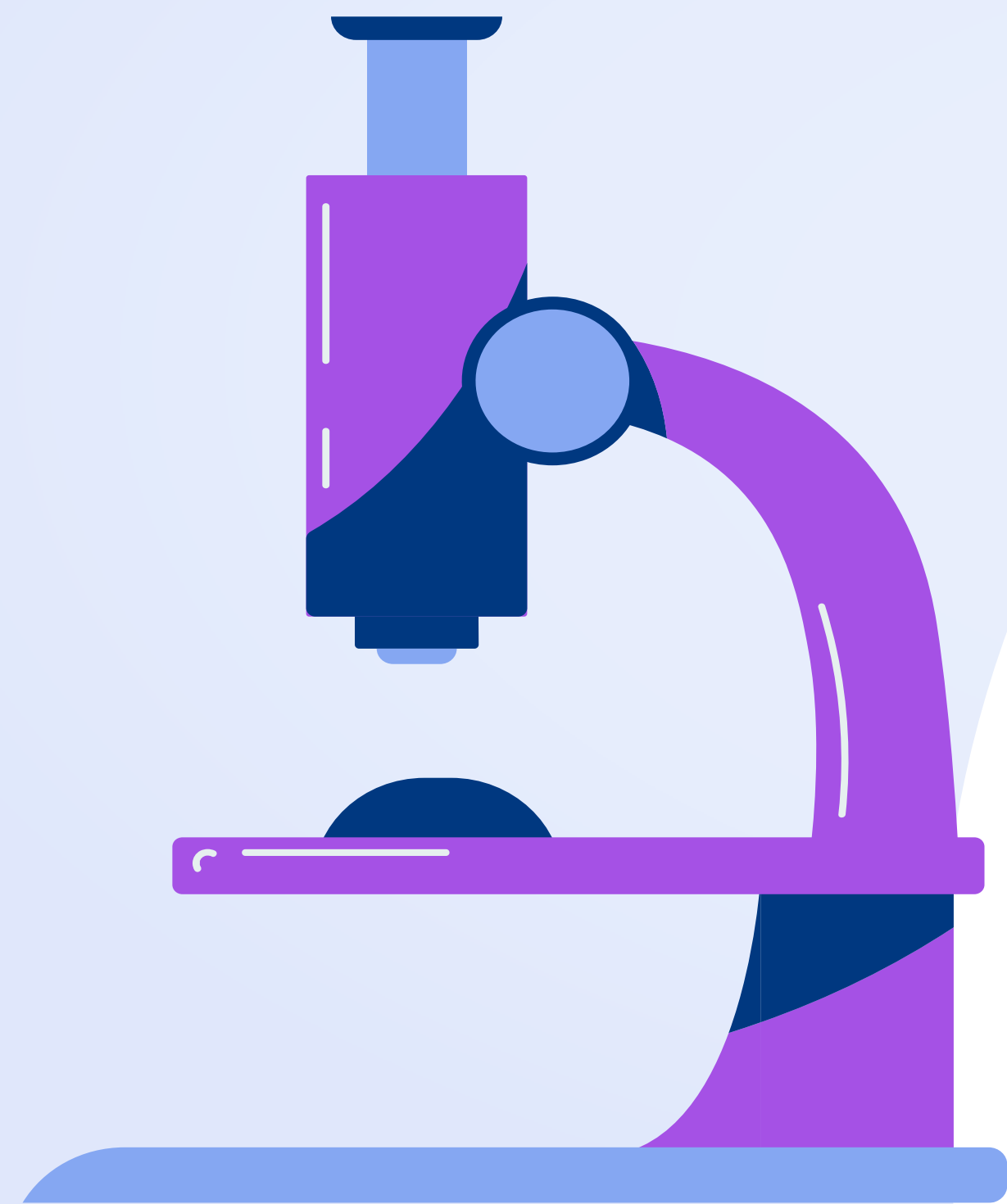
10% - Technical Presentation

The video displays...

- 01 Explanation with scientific evidence
 - 02 Logical explanation
 - 03 Real-life examples provided
 - 04 Future recommendation(s) for improvement
- 



20% - Production Quality

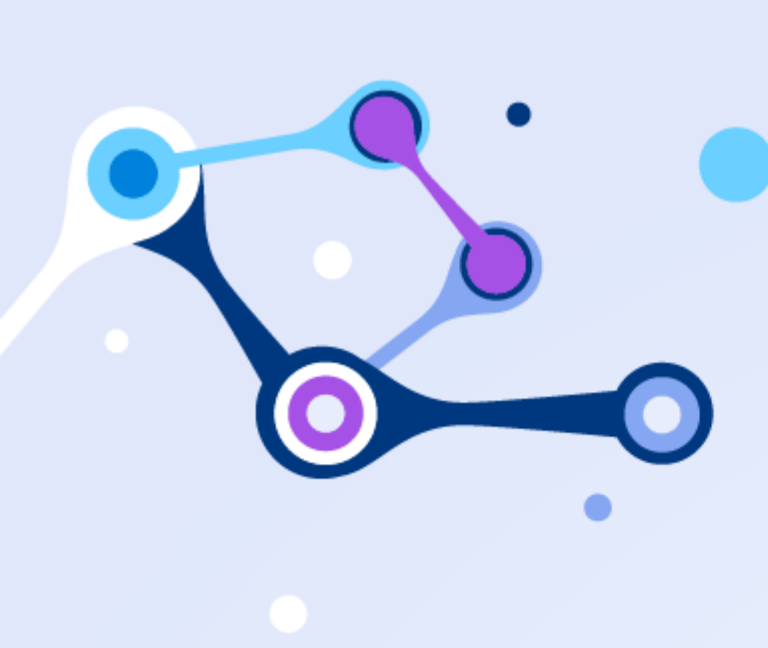


5% - Time/Duration of video

5% - Audio Quality

5% - Visual Quality

5% - Film Making or Video
Production Ability/Skills

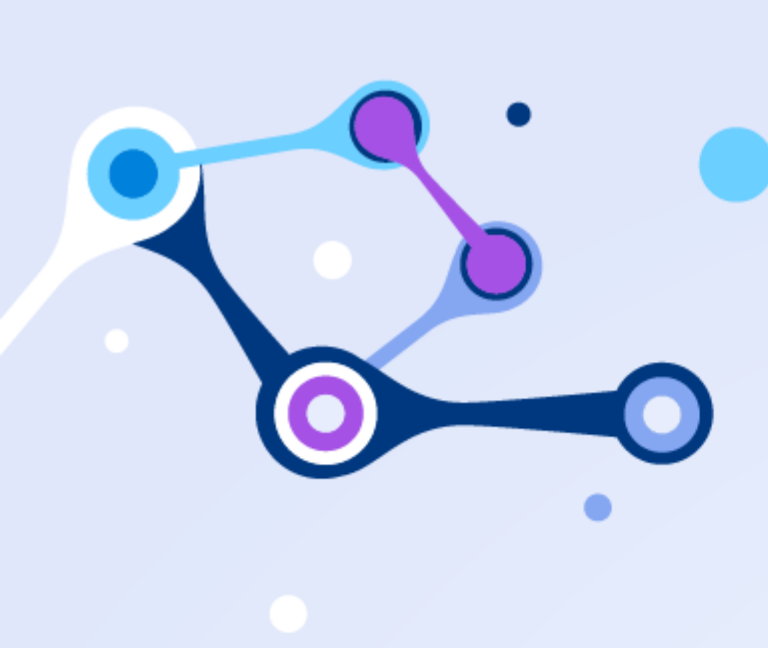


5% - Time/Duration of video

The video must fulfill the following criteria...

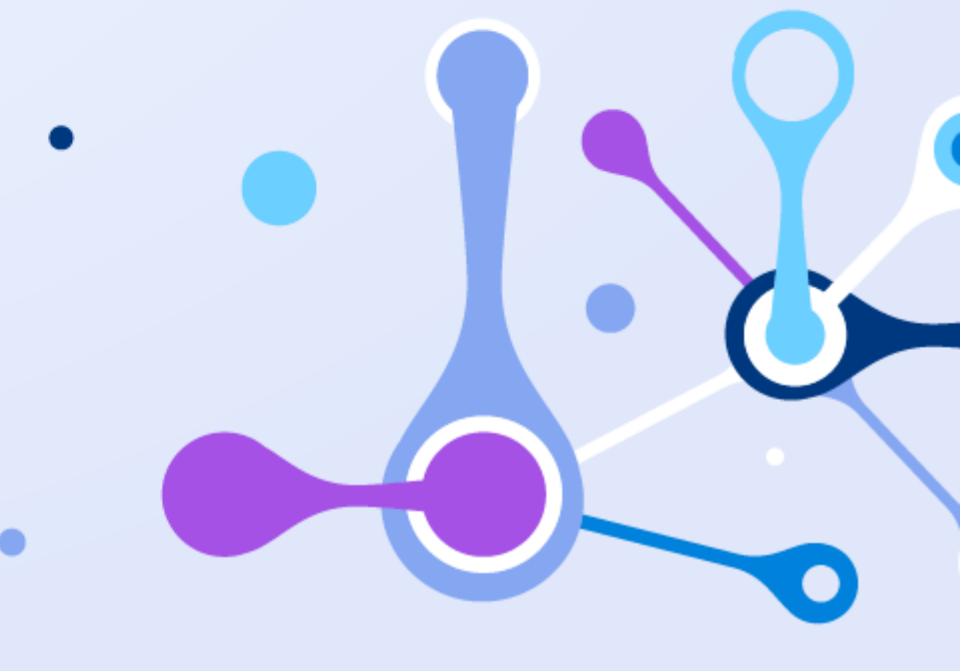
- 01 Time duration: approx. 5 minutes
- 02 Language: English
- 03 Team: 2-5 pax only
- 04 Appropriate title
- 05 Team Introduction/Credits

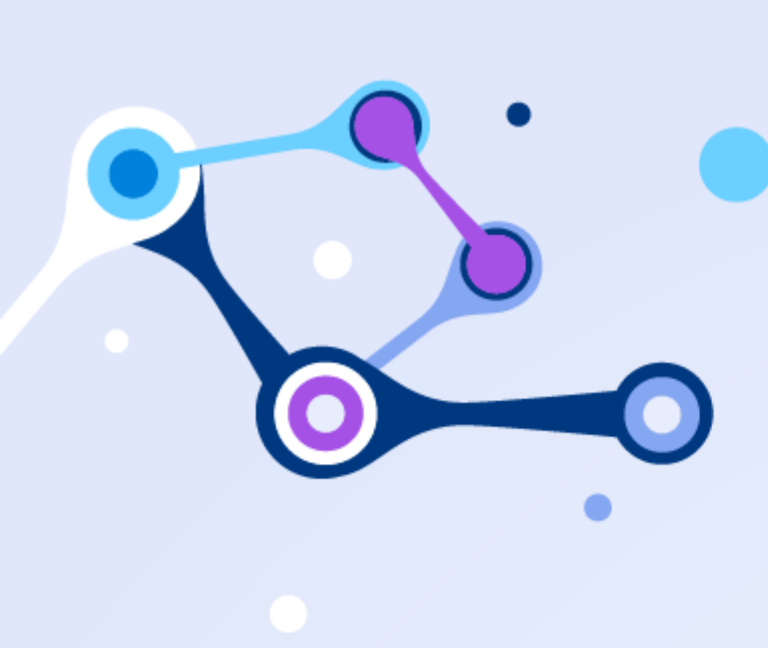




5% - Audio Quality

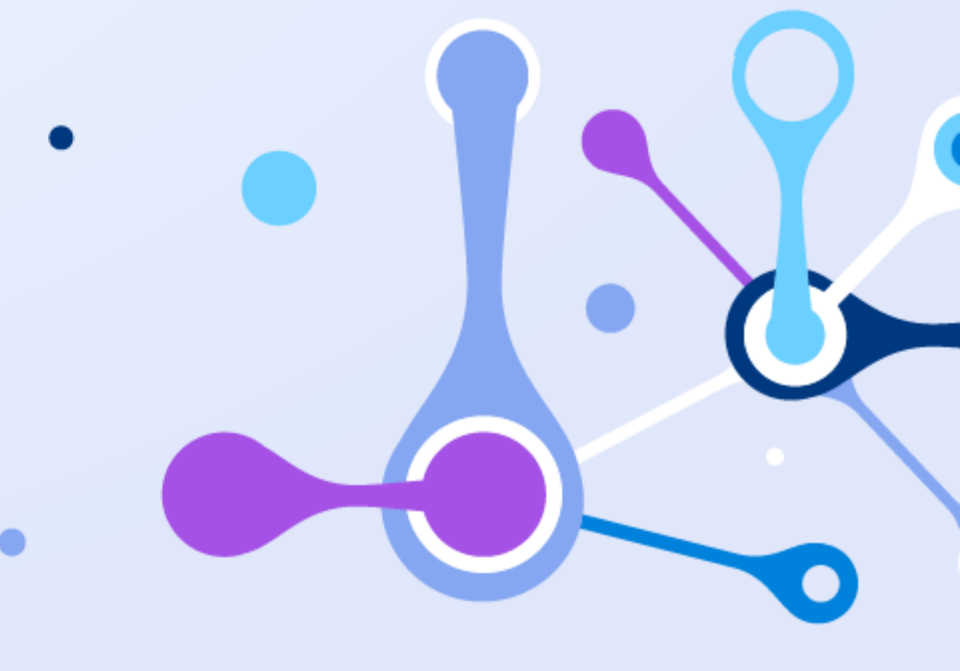
The video will be judged on...

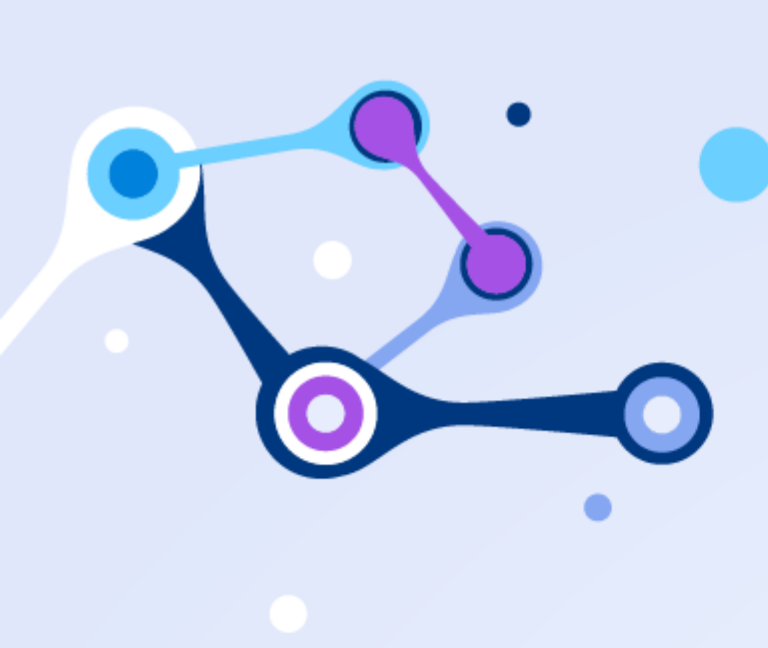
- 01 Sound effects / Music
 - 02 Volume of speaker / participants
 - 03 Accuracy and Fluency
 - 04 Language appropriateness
- 



5% - Visual Quality

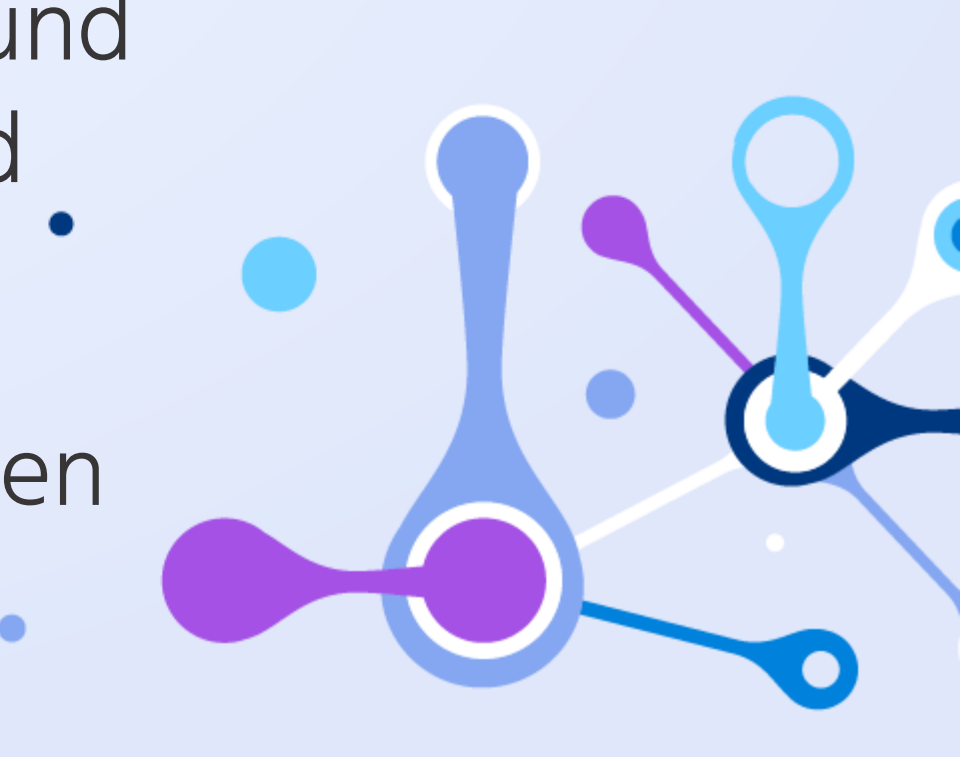
The video must fulfill the following criteria...

- 01 Graphics / Animations
 - 02 Colour Scheme (Background Colour)
 - 03 Text and Font (Readability)
 - 04 Video Resolution
 - 05 Camera Techniques (Exposure / Focus)
- 



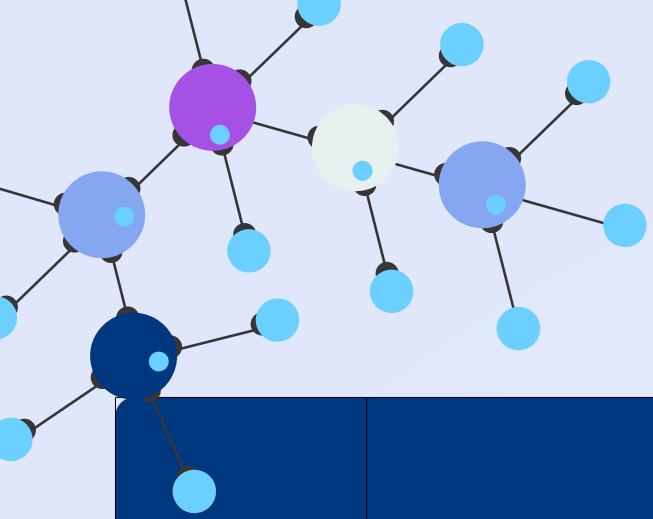
5% - Film Making or Video Production Ability / Skills

The video must display the following...

- 01 Storyboard (Video Structure)
 - 02 Screenplay (Clear dialogue / illustrations)
 - 03 Creativity (Able to attract viewer/audience attention)
 - 04 Digital Editing (Able to crop/cut, add music/sound effects, use visual effects, apply transitions, add titles and credits)
 - 05 Image / Video copyright (citations included when copied from other resources)
- 

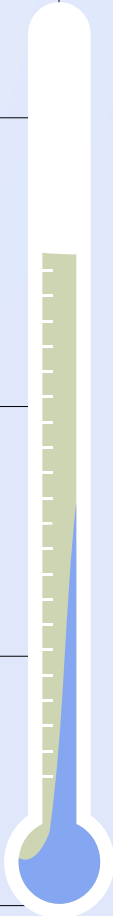


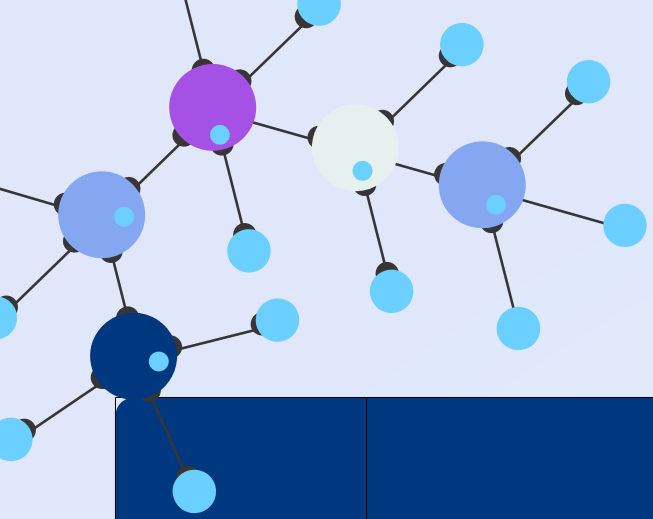
Project Report: Judging Criteria



Project Report: Judging Criteria (50 Marks)

	Criteria	Scores allocated
1	Problem Statement - short, clear and concise	5
2	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 mentioned and explained	5
5	Originality - Novelty, justification of invention (Not copied / plagiarised)	10

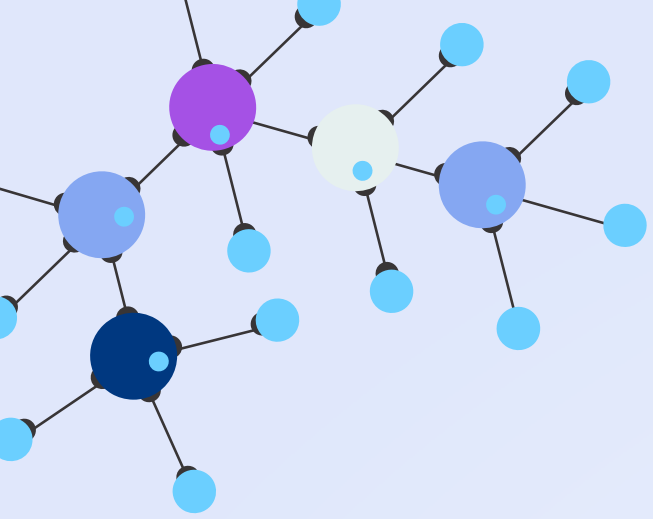




Project Report: Judging Criteria (50 Marks)

	Criteria	Scores allocated
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 stated and explained	3
8	Conclusion and Future Projects - Invention consistent and relates to the problem statement. Comparison made with existing invention, additional info which supports the invention. I.e. scalability, practicality	10





AI Declaration- Must be included in the Appendixes

AI USAGE DECLARATION FORM

Declaration of Artificial Intelligence (AI) and Technological Tool Usage

Team Details

Team Name: _____

Project Title: _____

Institution/School: _____

Declaration of AI Usage

Please provide specific details below:

AI Tool / Technology Used	Purpose of Use	Extent of Human Input
<i>Example: ChatGPT</i>	<i>Used for research on market trends and refining report structure.</i>	<i>Final content revised and rewritten by team members.</i>

We understand and acknowledge the following:

- AI was **only** used to support tasks such as brainstorming, grammar checking, research assistance, data analysis, and design visualization.
- AI was **not used** to fabricate data, plagiarize, or fully generate our proposal/report without substantial human involvement.
- We accept that **failure to disclose AI usage or misuse of AI tools** may lead to disqualification or point deduction, as per YIC rules.

We affirm that the majority of the content, ideas, and innovation presented in our project are original and developed through our own effort, under the guidance of our mentor.

Signatures

Name	Role	Signature	Date



8TH SEPTEMBER

2026, 11:59PM

Deadline for submission of
both the Invention Pitch
Video (YouTube link) and
Project Report (PDF)



Thank You