

INNOVATION, DESIGN, AND ENGINEERING FOR ADVANCED SUSTAINABILITY (IDEAS) COMPETITION 2025



The Institution of Engineers Malaysia (IEM) is organising the IDEAS Innovation Competition 2025, a platform for students to showcase their innovative, design-driven, and engineering-based solutions to real-world challenges. The competition encourages creativity, sustainability, and the use of advanced technologies to solve pressing societal and environmental issues.

The competition will be conducted fully online, where participants submit their competition entry as a video presentation.

VIDEO SUBMISSION GUIDELINES:

- Duration: Maximum 5 minutes.
- Format: MP4 or any standard video format.
- Language: English or Bahasa Malaysia.
- Content: Must include clear visuals, voiceover, and explanations of the idea.
- Submission Method: Videos must be uploaded to a designated online platform (Google Drive, YouTube, or a university portal), and the link must be submitted through the competition's official registration form.

COMPETITION TIMELINE:

- Video Submission Deadline: 31 July 2025
- Evaluation & Shortlisting: 10 August 2025
- Final Winners Announcement: 15 August 2025

COMPETITION CATEGORIES:

Participants can submit projects in the following fields:

1. Renewable Energy & Smart Technologies
2. Sustainable Engineering & Green Materials
3. Digital Innovations & Smart Systems
4. Any other STEM related topics

PRIZES & AWARDS

(INDIVIDUAL CATEGORY)

First : RM350
Second : RM250
Third : RM100

(GROUP CATEGORY)

First : RM600
Second : RM400
Third : RM200



**** All participants will receive a Certificate of Participation.

REGISTRATION FEES:

Individual Category:
RM 30 per participant

Group Category:
RM 60 per team

TARGET PARTICIPANTS:

- Tertiary students from universities, colleges, and polytechnics.
- Open to all engineering, technology, and STEM disciplines.

REGISTRATION & SUBMISSION PROCESS

- Participants register through the IEM website.
- Payment confirmation must be sent to the IEM secretariat.
- Participants upload their videos to an online platform and submit the video link via a designated submission form.

IEM SECRETARIAT:

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ORGANISED BY:

Engineering Education Technical Division
(E2TD), IEM

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INDIVIDUAL CATEGORY RUBRIC (TOTAL: 100 MARKS)

CRITERIA	WEIGHTAGE
Innovation & Creativity	30%
Technical Feasibility	25%
Sustainability Impact	20%
Presentation & Clarity	15%
Adherence to Guidelines	10%

GROUP CATEGORY RUBRIC (TOTAL: 100 MARKS)

CRITERIA	WEIGHTAGE
Innovation & Creativity	25%
Technical Feasibility	25%
Sustainability Impact	20%
Team Collaboration & Roles	15%
Presentation & Clarity	10%
Adherence to Guidelines	5%