



Organised by Geotechnical Engineering
Technical Division



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COMPETITION ON GEOTECHNICAL SOLUTIONS FOR LANDSLIDE

"Engineering A Stable Tomorrow"

Proposal for Slope Stability Analyses and Remedial Solutions

OPEN TO :
CIVIL ENGINEERING STUDENTS AT
UNDERGRADUATE LEVEL FROM PUBLIC
AND PRIVATE INSTITUTIONS



IMPORTANT DATES

REGISTRATION	21 APR 2023
CLOSE OF REGISTRATION	29 JUN 2023
SUBMISSION OF REPORT	29 AUG 2023
ANNOUNCEMENT OF SHORTLISTED CANDIDATES	10 SEP 2023
PRESENTATION (VENUE: WISMA IEM)	18 NOV 2023

**The date and competition details are subject to change based on the organiser's discretion*

PRIZES:



RM 1000



RM 800



RM 600

REGISTER NOW!

**COMPLIMENTARY
REGISTRATION**

If you have any enquiries, please email sitaisyah@iem.org.my



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REGISTRATION FORM

REGISTRATION CRITERIA / ELIGIBILITY

- *The competition is open to all currently enrolled Civil Engineering students at the undergraduate level in both Public and Private Institutions.
- *Each team shall consist of no more than four (4) members.
- *Each team shall be supervised by a lecturer as a mentor.
- *Each team can be advised by a practicing engineer as an advisor (optional).
- *Each university can send up to a maximum three (3) teams
- *The competition will only accept a maximum of 50 groups, and places will be allocated on a first-come-first-served basis.

TEAM DETAILS:

Name of University:		
Name of Lecturer: Position: Mobile No: IC No: Email:		
Name of Practicing Engineer (Optional): Position: Mobile No: Company's Name: Email:		
Group Members:	Name:	Mobile No:
	Email:	IC No:
	Name:	Mobile No:
	Email:	IC No:
	Name:	Mobile No:
	Email:	IC No:
	Name:	Mobile No:
	Email:	IC No:

"The registration form shall be submitted to sitaisyah@iem.org.my.

Information regarding the competition will be sent to participants within 3 working days upon receiving the registration form".

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RULES AND REGULATION

This is a contest for undergraduate students of a team of maximum 4 students. The objective of this contest is to test the ability of the participating teams to carry out analysis, design and assessment of a slope failure based on a past actual slope failure incident. The case study of actual slope failure is intended to give exposure to the participants about the real-life slope engineering problems. In order to simplify the evaluation of the competition, participants are required to prepare a thorough and detailed Geotechnical Slope Assessment Report based on the following main contents but not limited to:

- **Introduction**
- **Geological Details**
- **Geotechnical Soil Model/Parameters**
- **Back Analysis and Failure Assessment**
- **Provide of reasonable slope stabilisation solution with backing of analysis**
- **Conclusion**

These simplifications do not negate any opportunities or chances of the participants to display their creativity and innovation in problem solving.

Eligible participating teams will be provided with the following information:

- **Soil Investigation Factual Report (Post Failure)**
- **Survey drawing and cross sections of the study area**
- **Selected photos of the landslide**

Candidates are strongly encouraged to research for additional information deemed to be useful for the assessment.
(Additional efforts will be recognized as an added value)

The report shall limit to maximum 20 pages (excluding figures, diagrams and calculation sheets).
The report shall be submitted in the "PDF" format.

The report's cover page shall feature logo and name of the university, name of lecturer, name of practicing engineer (optional), and names of team members.

Only shortlisted groups will proceed to the next stage of presentation.

The submitted report will be judged based on the following:

- **Relevance and in-depth knowledge of the problem statement**
- **Interpretation and usage of the provided information**
- **Analysis and assessment of the problem statement**
- **Creativity and innovation in the problem solving**

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