



## **Comprehensive Course**

CIS 31: Flood Risk Assessment in Malaysia & CIS 32: Landslide Vulnerability Assessment and Development of Risk Index for Critical Infrastructure (CI) in Malaysia

The Construction Industry Standard (CIS) is an official document owned by CIDB Malaysia, developed and published under the provisions of Act 520 by the CIDB technical committee. It is intended to help reduce the impact of disaster risks at construction sites.

#### COURSE OBJECTIVES

Introduce the latest content of CIS 31:2024 and CIS 32:2024

Provide understanding of flood and landslide 02 risk assessment methods based on CIDB guidelines and related regulations

Explain the process of developing a Risk Index 03 for Critical Infrastructure (CI)

Enhance participants' ability to identify, assess, and plan risk mitigation strategies

2 - 4 September 2025 | Kuala Lumpur



7 - 9 October 2025 | Alor Setar

4 - 6 November 2025 | Johor Bahru

#### TARGET PARTICIPANTS

- Local Authority (PBT) technical officers
- Consulting engineers
- · Technical agency officers
- Lecturers
- Researchers
- · Asset managers for critical infrastructure
- And other relevant professionals

### **INSTRUCTORS**



Dato' Zakaria Mohamad, P.Geol Geological Board of Malaysia



Dr. Ferdause Ahmad, P.Geol Minerals and Geoscience Department, Terengganu



Ir. Hjh Bibi Zarina Che Omar

Former Deputy Director General (Technical Sector) Department of Irrigation and Drainage (JPS) Malaysia



Ir. Dr. Nor Eliza Alias Senior Lecturer, Faculty of Civil Engineering, Universiti Teknologi Malaysia (UTM)

#### RM700\*/pax COURSE FEE

\*inclusive of:

- CIS 31 & CIS 32 courses + technical visit
- Free access to 10 CREAM Webinar Series sessions (with CCD Points worth RM750)
- Discount for testing services at CREAM Laboratories
- 25% discount for CQMS certification

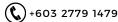








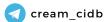
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TIME	PROGRAMME	
08.30am - 09.00am	Participant Registration	STANDARD
09.00am - 09.15am	Introduction to CIS 31:2024	INDUSTRI PEMBINAAN
09.15am - 10.15am	Concept of Flood Risk and Related Legislation based on CIS 31:2024	(CONSTRUCTION INDUSTRY STANDARD)
10.15am - 10.30am	Morning Refreshments	CIS 31:2024
10.30am - 01.00pm	Flood Hazard and Flood Risk Development & Assessment Calculations	FLOOD RISK ASSESSMENT IN MALAYSIA  Description from Edit and analysis of the Risk Risk Statements Res
01:00pm - 02:00pm	Lunch	CONSTRUCTION INDUSTRY DEVELOPMENT BOARD
02:00pm - 05:00pm	Flood Vulnerability Index Calculations	CIDE (2) Construction Industry  Section 1 Construction Industry  Linear Section 1 Cons
05:00pm - 05:15pm	Tea Break End of Day	

# CIS 32: Landslide Vulnerability Assessment and Development of Risk Index for Critical Infrastructure (CI) in Malaysia

Day 2



TIME	PROGRAMME
08.30am - 09.00am	Participant Registration
09.00am - 09.15am	Introduction to CIS 32:2024
09.15am - 10.15am	Concept & Framework of Landslide Risk Analysis and Related Legislation based on CIS 32:2024
10.15am - 10.30am	Morning Refreshments
10.30am - 01.00pm	Landslide Vulnerability Assessment
01:00pm - 02:00pm	Lunch
02:00pm - 05:00pm	Hands-on: Landslide Vulnerability Index and Risk Classification
05:00pm - 05:15pm	Tea Break End of Day

### Site Practical - CIS 31:2024 & CIS 32:2024

Day 3

TIME	PROGRAMME
08.30am - 09.00am	Safety Briefing
09.00am - 09.15am	Introduction to Types of Landslides and Rainfall Factors
09.15am - 10.15am	Case Study Based on CIS 31:2024 and CIS 32:2024 – Group Discussion & Brief Analysis
10.15am - 10.30am	Morning Refreshments
10.30am - 12.00pm	Marking Landslide Scars and Use of MALVAT Tool
12:00pm - 02:00pm	Lunch
02:00pm - 05:00pm	Technical Visit (TBC)
05:00pm - 05:15pm	Tea Break End of Course