

# 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

- 01 Introduce the latest content of CIS 31:2024 and CIS 32:2024
- 02 Provide understanding of flood and landslide risk assessment methods based on CIDB guidelines and related regulations
- 03 Explain the process of developing a Risk Index for Critical Infrastructure (CI)
- 04 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**

*Chairman  
Geological Board of Malaysia*



**Dr. Ferdause Ahmad, P.Geol**

*Director  
Minerals and Geoscience Department, Terengganu*



**Ir. Hj 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)*

### COURSE FEE RM700\*/pax

*\*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



REGISTER  
NOW



CIS 31: Flood Risk Assessment in Malaysia

Day 1

TIME	PROGRAMME
08.30am – 09.00am	Participant Registration
09.00am – 09.15am	Introduction to CIS 31:2024
09.15am – 10.15am	Concept of Flood Risk and Related Legislation based on CIS 31:2024
10.15am – 10.30am	Morning Refreshments
10.30am – 01.00pm	Flood Hazard and Flood Risk Development & Assessment Calculations
01:00pm – 02:00pm	Lunch
02:00pm – 05:00pm	Flood Vulnerability Index Calculations
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 and Departure to SMART Tunnel
02:00pm – 03:30pm	SMART Tunnel Briefing and Flood Risk Area Identification
03:30pm – 05:00pm	Group Presentations on Observations (CIS 31 & CIS 32)
05:00pm – 05:15pm	Tea Break
	End of Course