

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



14- 15 October 2025 | USM, Pulau Pinang
**16 October 2025 | Technical Practical
Visit to Sungai Pinang & USM**

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' Ir. Dr. Che Hassandi Abdullah

*Former Senior Director
CREaTE, Public Works Department Malaysia (JKR)*



Ir. Ts. Dr. Mastura Azmi

*Senior Lecturer,
Universiti Sains Malaysia (USM)*



Ir. Haji Azmi Ibrahim

*Former Director Water Resources Management &
Hydrology Division
Department of Irrigation and Drainage (JPS) Malaysia*



Sr Dr. Muhammad Wafiy Adli Ramli

*Senior Lecturer,
Universiti Sains Malaysia (USM)*

COURSE FEE RM700*/pax

**inclusive of:*

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



REGISTRATION
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 at USM
09.15am – 10.15am	Case Study Based on CIS 31:2024 and CIS 32:2024 – Group Discussion & Brief Analysis at USM
10.15am – 10.30am	Morning Refreshments
10.30am – 12.00pm	Marking Landslide Scars and Use of MALVAT Tool at USM
12:00pm – 02:00pm	Lunch
02:00pm – 05:00pm	Technical Practical Visit to Sungai Pinang, Georgetown
05:00pm – 05:15pm	Tea Break
	End of Course