



## INTRODUCTION

MyCESMM2 replaces the current Malaysian Standard Method for Measurement of Civil Engineering construction covering a wider range of civil engineering works. It is expected to contribute towards delivering cost effective civil engineering projects through the adoption of best practices in the preparation of the bills of quantities (BQ). The implementation of MyCESMM2 would eliminate discrepancies and ambiguities in the BQ, facilitate better understanding of the nature of work to be done and thus reduce potential claims and dispute arising during the construction stage. This MyCESMM2 is the mandatory course for all those who are involved in all engineering works.

## SYNOPSIS

This course consist lectures, workshops, and presentations on important MyCESMM2 matters in the following manners:

### Lectures

- Standard Method of Measurement (SMM) in relation to preparation of Bill of Quantities (BQ), function of BQ, why standardised BQ is needed, SMM in construction procurement without SMM, benefits of standardizing the BQ for civil engineering works using MyCESMM
- Introduction to CESMM (2003), MyCESMM (2011) and MyCESMM2 (2018)
- Principles of MyCESMM; Definitions, general principle, application of the work classifications, coding & numbering of items, preparation of BQ, completion, pricing and use of BQ, and finally method-related charges
- Introduction to selected work classes; General Items, Roads & Pavings and Earthworks
- For detail items, to cover work classifications of Piling, Concrete, Piling and Drainage works

### Workshops

- Prepare BQ description by extraction from Library of Standard BQ description for MyCESMM2
- Taking off, Abstracting and prepare BQ in-line with MyCESMM2

### Presentations

- Participants working in groups will be presenting their workshop task and to be compared to Trainer's model answers.

## COURSE PROGRAMME

TIME	DAY 1	DAY 2
8.30am - 9:30am	<b>Lecture 1</b> Introduction to Principles of MSCESMM and MyCESMM2 Quiz no. 1	<b>Lecture 5</b> Site Investigation Work Geotechnical Work
9:30am - 10.00am	Tea Break	Tea Break
10.00am - 10.45am	<b>Lecture 2</b> Demolition and Site Clearance Earthworks	<b>Lecture 6</b> Drainage Work Quiz no. 4
10.45am - 11.30am	<b>Workshop 1</b> Site Preparatory Work	<b>Workshop 3</b> Concrete Work
11.30am - 1.00pm	<b>Lecture 3</b> Piling Work Concrete Work Quiz no. 2	<b>Lecture 7</b> Environmental Protection Miscellaneous Quiz no. 5
1.00pm -2.00pm	Lunch Break	Lunch Break
2.00pm -3.30pm	<b>Lecture 4</b> General Items Provisional & Prime Cost Sums Quiz no. 3	<b>Lecture 8</b> Roads & Pavings Traffic Management & Control Quiz no. 6
3.30pm -4.00pm	Tea Break	Tea Break
4.00pm -4.45pm	<b>Workshop 2</b> Piling Work	<b>Workshop 4</b> Roadwork
4.45pm -5.30pm	Presentation Q & A	Presentation Q & A

## MyCESMM2 Workshop Trainers

### Assoc. Prof. Sr Dr. Zakaria Mohd Yusof (CQS, FRISM, MIVMM, AACE, CCPM)

Served at Universiti Teknologi Malaysia (UTM) for over 30 years. Has a Diploma in Quantity Surveying at UTM before continuing studies at Glasgow Caledonian University, Scotland, UK in the same field. He also obtained an MSc. in Construction from Loughborough University of Technology, UK and PhD in Technical and Vocational Education (PTV) from UTM Skudai.

He is a Consultant Quantity Surveyor (CQS), Fellow of the Royal Institutions of Surveyor, Malaysia (RISM), Full Member of American Association of Cost Engineering (AACE) and CIDB Certified Construction Project Manager. The committee member Royal Institution of Surveyors Malaysia (RISM) Johor Branch. He is currently the Director Continuing Education School of Professional and Continuing Education (UTMSPACE)



### Assoc. Prof. Sr Dr. Mohd Saidin Misnan (MRISM, MRICS, MIVMM, CQS)

Sr Dr. Mohd Saidin Misnan is an Associate Professor in the Department of Quantity Surveying, Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia. He graduated with Quantity Surveying from Universiti Teknologi Malaysia, MSc. (Project Management) from Universiti Sains Malaysia and obtained his PhD (Facilities Management) from Universiti Teknologi Malaysia.

He has 24 years of experience as an academician, especially lecturing in Construction Technology, Professional Practice and Civil Engineering Works. He is a Consultant Quantity Surveyor (CQS), Member Royal Institutions of Surveyor, Malaysia (RISM), Royal Institution of Chartered Surveyor (RICS), UK., Member, The Chartered Institute of Building, United Kingdom (CIOB), Member, Institute of Value Management, Malaysia (IVMM).



### Sr Dr. Zuhaili Mohamad Ramly

Sr Dr. Zuhaili Mohamad Ramly serves as Senior Lecturer for Quantity Surveying and Construction at the Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia since 2008. He also currently serves the Faculty as the Assistant Dean (External & Global Engagement), and former Postgraduate Academic Manager and Undergraduate Programme Coordinator in the same faculty. He holds a Bachelor in Quantity Surveying and MSc Construction Contract Management, from Universiti Teknologi Malaysia.

He obtained his PhD in Value Management and Engineering in Construction from the Hong Kong Polytechnic University (PolyU) in 2015. Prior to joining the higher education, he was the Project Executive at ARH Juruukur Bahan Sdn Bhd, a consulting firm in Kuala Lumpur. He is a Professional Quantity Surveyor registered with the Board of Quantity Surveyors Malaysia (BQSM), Member of the Royal Institution of Surveyors Malaysia (RISM), Member of the Institute of Value Management Malaysia (IVMM), and Member of the Hong Kong Institute of Value Management (HKIVM).

