Quantity Surveying Division
Royal Institution of Surveyors Malaysia
(RISM)

TWO-DAYS COURSE ON FUNDAMENTALS OF STANDARD METHOD OF MEASUREMENT (SMM3)

COURSE SYNOPSIS AND COURSE SCHEDULE

08-09 April 2026
29-30 April 2026

SYNOPSIS

The Malaysian Standard Method of Measurement of Building Works (SMM2) published in 2001 constitutes key aspects in the preparation of tender documents for building project in Malaysian construction industry. However, the structure of existing SMM2 is obsolete due to changes in the formats and professional QS practices at the international level. The earlier SMM1 and SMM2 editions of SMMs are developed in prose, and the development of tabular format in SMM3 is an improvement in the prose format.

SMM3 is preceded to cater significant requirements on the updates of methods and modes of measurement in relation to 2D and 3D BIM models and latest construction methods and materials in construction industry. SMM3 is a BIM-friendly standard method of measurement that reflects as a true tradition and flexible for modern reference. It provides among other – provisions for preparation of specifications and preambles, and standard library of item descriptions with coding system. The Taskforce for SMM3 was set up under the Quantity Surveying Division of the Royal Institution of Surveyors Malaysia (RISM) The effort in producing SMM3 is part of a cumulative efforts of all sub-committee in RISM QS Division since 2017

COURSE OBJECTIVES

Main objectives of Fundamentals of SMM3 course are:

- To understand the principles and methods of measurement based on The Standard Method of Measurement of Building Works Third Edition (SMM 3
- To undertake measurement works of the various elements associated with a domestic building
- To acquire the skills and knowledge to prepare a Bill of Quantities.

BENEFITS

- Instil understanding on the basic principles and measurement rules of the SMM3 in building works.
- Able to understand the standard methods of measurement SMM3 focusing on the coding system, work sections and rules of measurement.
- Able to undertake measurement tasks, applying mathematical calculations to the construction measurement process.
- Able to produce quantity abstract and bills of quantities of measured works based on SMM3 format and procedures.

WHO COULD BENEFIT FROM THE COURSE

Quantity surveyors, project manager, civil and structural engineers, mechanical and electrical engineers, construction manager, construction site managers, building surveyors involve in construction projects; cost planning and control staff associated with building and engineering construction; all staff who need fundamental training in construction project cost management.

Government and non-government officers; anyone responsible for or involved in managing construction and engineering projects.

COURSE SCHEDULE

TIME	DAY 1	DAY 2
MODULE	Introduction	
08.30 – 09.30 am	**Part 1: Introduction** Introduction To Principles of SMM3	**Part 3 : Architectural Works** Door and Window
9.30 – 10.15 am	**Part 2 : Structural Works** Earth Works & Site Clearance Sub-Structural Works **Quiz No 1**	**Part 3 : Architectural Works** Floor and Ceiling Finishes
10.15 – 10.30 am	Tea Break	Tea Break
10.30 – 11.15 am	**Part 2 : Structural Works** Piling Works	**Part 4: M&E Works** Cold Water Plumbing, Soil& Waste Pipe & Underground Drainage
11.15 – 12.00 pm	**Part 2 : Structural Works** Reinforced Concrete Work : Floor, Beam & Column, Staircase	**Part 4: M&E Works** Electrical Engineering Installations
12.00 – 01.00 pm	Part 2 : Structural Works Steel Structure **Quiz No 2**	**Part 4: M&E Works** Air Conditioning Installations & Fire Fighting System
01.00 – 02.00 pm	Lunch	Lunch
02.00 – 02.45 pm	**Part 2 : Structural Works** Roof	**Part 5: Preliminaries Works** Priced Item/Unpriced Item
02.45 – 03.30 pm	**Part 2 : Structural Works** IBS, Composite & Pre-Stressed Concrete	**Part 5: Preliminaries Works** Standard Library Items
03.30 – 04.15 pm	**Part 3 : Architectural Works** Wall and Finishes	**Part 5: Infrastructure Works** Bills of Quantities Prime Cost Sum & Prov Sum
04.15 – 04.45 pm	**Part 3 : Architectural Works** Door and Window	**Part 5: Standard Library** Standard Library and Costing (include Built Up Rate)
04.45 – 05.30 pm	**WORKSHOP 1**	**WORKSHOP 2**

SPEAKER

Sr DR. SARAJUL FIKRI MOHAMED
Associate Professor/Director
UTM/K&P QS Consultancy Sdn Bhd

Dr. SARAJUL FIKRI MOHAMED, CQS is a lecturer at the Department of Chemical and Environmental Engineering, Malaysia-Japan International Institute of Technology (MJIIT), Universiti Teknologi Malaysia, Kuala Lumpur where he specializes in Construction Management, Project Estimating, Whole Life Cycle Costing and Construction Innovation.

He is also Director of K&P Alliance (KPA) QS Consultancy Sdn Bhd, cost and contract management consulting firm based in Kuala Lumpur Malaysia. He obtained Bachelor of Quantity Surveying from Universiti Teknologi Malaysia (UTM). In the year 2002, he completed his Master of Science in Construction Innovation and PhD in Construction Management in 2006 from Department of Civil & Building Engineering, Loughborough University, United Kingdom.

His research areas include construction procurement, construction innovation and commercial management in construction. Prior to this, he worked as a property and construction consultant at MDA Consulting UK. The examples of projects he was involved in are Stratford Western Relief Road (Warwickshire County Council), William Baker Building (University of De Montfort), Airfield Business Park Market Harborough (William Davis), and Sport Complex Building (Leicestershire County Council). He has more than 25 years working experiences in related field. Dr. Sarajul Fikri also had carried out numerous of course related to Cost Management, Cost Control, Cost Estimation, Project Management, etc to The Institution of Engineers Malaysia (IEM), CIDB, HRDC and in house training for GLC's.