

Measuring programme outcome – Final year design project and alternate pathways

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ABSTRACT: Final Year Design Project shall involve complex engineering problems and design systems, components or processes integrating (culminating) core areas and meeting specified needs with appropriate consideration for public health and safety, cultural, societal, project management, economy, environmental considerations and sustainable development where appropriate. It should be treated as multifaceted assignment that serves as a culminating academic and intellectual experience for students, involving the complex engineering activities, typically towards the end of their learning-pathway experience. The programme should seize the opportunity to deliver and assess many relevant POs. How can we ensure the attainment of the POs are visible? How can we control that the purpose of accreditation shall not be compromised when using the alternate pathways? This sharing session will assist the participants to create an aligned TLA in measuring POs and thereafter perform CQI.

ABOUT THE SPEAKER:

Ir Dr Siti Hawa Hamzah (PhD, P.Eng PC, FIEM, Hon MAFEO ASEAN Engr, MRM, PSWM, BSCE, Cert. of Education, MSCE) is currently the Director (EAD & ETAD), Board of Engineers, Malaysia and the Mentor to Bangladesh for WA (IEA). She is a Retired Professor (Civil & Structural Engineering), UiTM Shah Alam with 33 years teaching & academic experience since 1983. She is the Past Associate Director for Civil and Structural at EAC, Past Council Member and Past Excomm of IEM. She had been appointed as External Reviewer to MSCE at Qatar University; External Examiner to B. Eng Civil programs at Monash University Malaysia, University College of Technology Sarawak, MAHSA University, Universiti Malaysia Sarawak, INTI International University, Universiti Tun Hussein Onn Malaysia; and Diploma in Civil Engineering at MAHSA University. Had been an OBE Trainer (CEE UTM - MOHE Afghanistan World Bank Project), EAC Advisor to Universiti Malaya, Advisory Panel Member Bachelor of Civil Engineering (Al Madinah International University), OBE Advisor to Universiti Industri Selangor, BEM-EAC & ETAC Accreditation Trainer and BEM Lead Accreditation Evaluator. Professionally, she is a PAE & PI Principle Panel Interviewer and formerly a BEM T&E Comm. Member. She received IEM Women Engineer Award, Honorary Member to ASEAN Federation of Engineering Organization (AFEO), triple recipient of excellent service awards and awarded with more than 20 research accolades.