



## **Virtual Half-Day Workshop: Mastering Soft Skills on Systems Thinking, Agile and Ethics for Future-Ready Engineers and Industry Professionals.**

By

Ir. Sukhairul Nizam Abdul Razak

IEM Council Member for Session 2025/2026

The Institution of Engineers, Malaysia (IEM), through the Seniors Special Interest Group (SSIG), successfully organised a virtual half-day workshop titled “Mastering Soft Skills on Systems Thinking, Agile and Ethics for Future-Ready Engineers and Industry Professionals.” The event was held on Saturday, 9 August 2025, from 9:00 AM to 1:00 PM, and was conducted by Ir. Sukhairul Nizam.

A total of 18 participants attended, comprising lecturers, professional engineers, graduate engineers, and engineering students. The programme was designed to equip engineering and industrial professionals with interdisciplinary soft skills to master systems thinking, agile methodologies, and ethical decision-making tailored to modern manufacturing challenges. In his presentation, Ir. Sukhairul emphasised the need for professionals to go beyond technical skills to drive innovation and efficiency in an era of globalised supply chains and sustainability pressures.

The workshop provided an in-depth exploration of systems thinking tools, such as Value Stream Mapping (VSM) and Causal Loop Diagrams (CLDs), demonstrating their application in optimising production lines, supply chains, and resource allocation. Ir. Sukhairul elaborated on how these tools help identify bottlenecks, visualize complex cause-and-effect relationships, and anticipate long-term outcomes, thereby transforming approaches to industrial problem-solving.

The session underscored the importance of integrating agile workflows and ethical frameworks to lead resilient, sustainable, and socially responsible manufacturing operations. The interactive format sparked engaging discussions among participants, creating a dynamic and intellectually stimulating environment and paving the way for the application of these skills in their professional contexts.

Overall, the event was a resounding success, providing participants with valuable exposure to essential soft skills and strategic frameworks. It reinforced IEM SSIG’s commitment to advancing professional development and preparing engineers for future challenges through responsible, knowledge-driven innovation.

# Virtual Half-Day Workshop on Mastering Soft Skills on Systems Thinking, Agile and Ethics: for Future-Ready Engineers and Industry Professionals



14 June 2025, Saturday  
9.00 am – 1.00 pm

*BEM Approved CPD: Applying  
CPD Ref No.: Applying*



Zoom Platform



Ir. Ts. Sukhairul Nizam Abdul Razak



**Register Now!**

**Closing Date : 6 June 2025**

## REGISTRATION FEE'S (subject to 8% SST)

	Online	Normal
IEM Student Members	RM40	RM50
IEM Graduate Members	RM75	RM90
IEM Corporate Members	RM125	RM150
Non-IEM Members	RM240	RM300



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The poster for Virtual Half Day Course on Mastering Soft Skills on Systems Thinking, Agile and Ethics for Future-Ready Engineers and Industry Professionals. The session postponed from 14<sup>th</sup> June 2025 to 9<sup>th</sup> Aug 2025.