



### **Mastering Quality Control: A Comprehensive Guide to Calibration Procedures**

By Ir. Ts. Sukhairul Nizam Abdul Razak

IEM Council Member 2024/2025

On the morning of May 20th, 2023, 18 participants gathered virtually for a transformative half-day seminar on quality control. Led by an esteemed committee member for Engineering Education Technical Division IEM, Mr. Ir. Ts. Sukhairul Nizam bin Abdul Razak, the session promised a comprehensive exploration of calibration procedures—an essential component in ensuring the accuracy and reliability of measurements across diverse industries.

In today's fast-paced world, the significance of quality control cannot be overstated. Calibration stands as the cornerstone of this process, offering a systematic approach to maintain instrument accuracy and uphold industry standards.

Throughout the seminar, participants were guided through the fundamental principles of calibration, including measurement uncertainty, error analysis, and traceability—essential concepts that underpin quality control. Practical aspects of calibration methodologies, from equipment selection to data analysis, were meticulously examined to ensure a thorough understanding of the procedures involved.

Interactive discussions and real-world case studies enriched the learning experience, fostering an atmosphere of shared learning where questions were encouraged and knowledge was freely exchanged.

One of the highlights was the exploration of emerging trends and technologies shaping the future of calibration, providing valuable insights into the evolving landscape of quality control.

As the seminar concluded, participants emerged equipped with the knowledge and skills to elevate their organizations' quality control practices. The event stands as a testament to the power of knowledge and collaboration in ensuring the integrity and reliability of every measurement taken.



# VIRTUAL HALF DAY COURSE ON QUALITY CONTROL STARTS WITH CALIBRATION: A COMPREHENSIVE GUIDE TO CALIBRATION PROCEDURES

Organised by :  
Education Engineering Technical Division, IEM

BEM Approved CPD : 4      Ref. no : IEM23/HQ/106/C (w)

**DATE** : 20 MAY 2023, SATURDAY

**TIME** : 9.00AM - 1.00PM

**ONLINE PLATFORM**

**SPEAKER :**  
**Ir. Ts. SUKHAIRUL NIZAM BIN ABDUL RAZAK**



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**CLOSING DATE:**  
13 MAY 2023

	<b>ONLINE</b> <small>(Log in for registration &amp; payment: <a href="http://www.myiem.org.my/member/login.aspx">www.myiem.org.my/member/login.aspx</a>)</small>	<b>NORMAL FEE</b> <small>(by fax &amp; email) Payment by cash, credit card and bank-in</small>
IEM Student Member	40.00	50.00
IEM Graduate Member	75.00	90.00
IEM Corporate Member	125.00	150.00
Non-IEM Member	240.00	300.00

Register Online at [www.myiem.org.my](http://www.myiem.org.my)

Photo on the poster for Virtual Half Day Course on Quality Control: A Comprehensive Guide to Calibration Procedures