

Online Talk

Lean Six Sigma:

Driving Operational Excellence through Continuous Improvement

Synopsis

In today's increasingly competitive business environment, organizations are under constant pressure to improve efficiency, reduce operational costs, enhance quality, and deliver greater value to customers. As markets evolve and customer expectations continue to rise, businesses must adopt systematic approaches to improve performance while maintaining sustainable growth.

Lean Six Sigma has emerged as one of the most widely adopted methodologies for achieving operational excellence. By combining Lean principles, which focus on eliminating waste and improving process flow, with Six Sigma methodologies that reduce process variation and defects, organizations can achieve significant improvements in productivity, quality, and customer satisfaction.

This talk provides participants with an overview of Lean Six Sigma concepts, their practical applications, and the value they bring to organizations across various industries. Through real-world examples and case studies, participants will gain insights into how leading organizations have successfully applied Lean Six Sigma to streamline operations, improve decision-making, and drive continuous improvement.

The session will also explore how Lean Six Sigma supports organizational resilience, innovation, and competitiveness in an increasingly complex business landscape. Participants will leave with a better understanding of the principles behind operational excellence and how continuous improvement can contribute to long-term business success. The talk will be structured with approximately 50% focus on real business and industrial case studies, 30% on Lean Six Sigma concepts and frameworks, and 20% dedicated to interactive discussion and Q&A sessions. This balanced approach ensures that participants gain both conceptual understanding and practical insights that can be applied within their own organizations.

About the Speaker

Norazizah Abdul Rahman is a manufacturing and engineering professional with over 15 years of experience in multinational environments, specializing in Lean Six Sigma, Continuous Improvement, Operational Excellence, Industrial Engineering, Quality Management, and process optimization. Her expertise includes Lean methodologies, DMAIC, Kaizen, TPM, SPC, FMEA, 8D problem-solving, cost reduction, yield improvement, OEE enhancement, and cycle time optimization.

Since 2011, she has built extensive experience in solar cell manufacturing, supporting advanced technologies such as IBC, NGT, and PERC, with a focus on process optimization, yield enhancement, and high-volume production. Her career has progressed through various technical and leadership roles, including Lean Engineer, Product Development Officer, Continuous Improvement Lead, Production Supervisor, and currently Senior Lean Six Sigma Engineer. She has also gained valuable experience in PCB manufacturing and Augmented Reality (AR) production, strengthening her cross-industry expertise. A certified Train-the-Trainer (TTT) and Training Within Industry (TWI) Coach, she is passionate about developing people and fostering a culture of continuous improvement.

Norazizah holds a Bachelor's Degree in Chemical Engineering from UTM(2020) and a Master's Degree in Manufacturing Systems Engineering from UPM (2022). She is also certified in ISO 9001, ISO 14001, and QMS systems, and remains committed to lifelong learning and engineering excellence. In addition, she has actively participated in technical research, professional development programs, and industry training initiatives related to manufacturing excellence, quality improvement, and engineering innovation. Her experience includes facilitating continuous improvement projects, supporting operational transformation activities, and applying data-driven approaches to enhance productivity and business performance. She is dedicated to sharing practical industry knowledge and helping organizations develop sustainable improvement cultures through Lean and Six Sigma methodologies.



7 Aug 2026 (Fri)



3.00pm – 5.00pm



BEM CPD Hours: 2
Ref: IEM26/PG/287/T(w)

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Speaker:
Tc Norazizah Abdul Rahman



Moderator:
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