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**WEBINAR**

# THE ART OF FLOWCHARTING

## FOR ENGINEERING & BUSINESS PROCESS

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**07 AUGUST 2021 | SATURDAY  
2:00PM - 4:00PM**

"for continuous improvement of engineers and  
technologists. Let's Draw, Design and  
Deliver quality through our action.



**Speaker:**  
**Dr. Ravintran Mariappan**

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## SYNOPSIS

In the 1921 presentation of the 'Process Charts: First steps in discovering the One Best Way to Operate' by members of the American society of mechanical engineers (ASME), Frank and Lillian Gilbreth developed the first standardised system for recording the process flow. These instruments soon became part of industrial engineering's curricula. ASME has adopted a set of signature charts as "ASME Standard: Operation and Flow Process Charts," and the use of flow charts in the industry began extensively from then on. The flow charts became a popular description for computer algorithms through the 1970s, when computer terminal interactivity and third-generation programming languages became common tools in computer programming too. Now, all quality documentation and process mapping require flowcharts. One of the first things you need to ask when making a flowchart is "What is its purpose?" The answer to this question will help you create the type of flowchart that best suits your needs. Some common uses of flowcharts include: New project planning; Process Documentation; Business Process Modelling; Workflow Management; Process Auditing; Computer Algorithm Mapping; Data Management; and Chemical and Process Engineering. Revisiting, learning and understanding the use these types of flowcharts are crucial for continuous improvement for engineers and technologists at this moment of time. Let's Draw, Design and Deliver quality through our action.

## ABOUT SPEAKER

"Make your life simply extraordinary," describes Dr. Ravinthran Mariappan in all that he does. Dr. Ravinthran Mariappan is currently a committee member of METD (Mechanical Engineering Technical Division) Institute of Engineers, Malaysia (IEM). He has been active in the aviation, business and engineering industry since 1991. He is now working with a local airline, serving as a Senior Executive Engineer and a visiting lecturer at a few local universities. He holds a PhD degree in Business Administration, a master's degree in Information Technology, a bachelor's degree in Electrical, Electronics and Systems Engineering, and an Aircraft Maintenance Engineer License from the Civil Aviation Authority Malaysia (CAAM).

He started his career as a trainee aircraft engineer, established and worked on variety level of positions, including as a station engineer in Yangon, Myanmar, Aircraft Defect Analyst, Internal Auditor, Aircraft Maintenance, Repair and Overhaul (MRO) Change Lead and as a Business Lead for system and engineering process improvement.

He is a registered graduate engineer & engineering technologist with the Board of Engineers Malaysia (BEM), a certified Professional Technologist at Malaysia Board of Technologist (MBOT), a certified Business Coach from University Malaya, certified NLP Master Coach from American Board of NLP (ABNLP), a certified Trainer by HRDF, certified Professional Manager from United Kingdom and, a certified Psycho-Spiritual Master Trainer from Islamic Science University of Malaysia (USIM) and National Anti-Drug Agency of Malaysia (NADA).

He is also a meditation practitioner for the past 24 years at Brahma Kumaris Malaysia, a certified Master Time Line© Therapist and a certified Master Hypnotist from American Board of Hypnotherapy (ABH). Dealing with many process and procedure changes, he is an experienced subject matter expert in maintenance & engineering, quality and process change management. He has incorporated values into all of his trainings, seminars, coaching, mentoring and workshops effectively for an instant, positive outcome. He has coached & trained students (schools / colleges / public & private universities), athletes, trainees, apprentices, laborers, lecturers, executives, physicians, politicians, engineers, technologists, entrepreneurs, managers and CEOs of varieties of background and schools of thoughts, throughout India, Sri Lanka, Singapore, Myanmar, Indonesia, Vietnam, East and West Malaysia.