



Fairul Anwar Abu Bakar

Quality Engineering Section

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CURRENT ROLE

Despite the role as a lecturer in UniKL-MITEC in Quality Engineering, most of the contributions focused to build the future technologist in Engineering Technology field. Play a position as Industrial Training Coordinator for UniKL-MITEC since 2010 in providing continuous sustainability of university-industry linkages and collaboration. Last position was Section Head of Quality Engineering Section before continue full time further study (PhD) on 2014. Currently hold a post as Coordinator of Master of Quality Engineering and Management (new program development). Expert subjects thought at UniKL-MITEC; Lean Six Sigma (Certified Trainer from Motorola University, Master Black Belt, UniKL), Innovative and Creative Circles (ICC), Design of Experiment (DOE), Taguchi Methods (Shin Taguchi - UTM), Statistical Quality Control (SQC/SPC); and Quality Tools and Improvement Methods (QC Tools, FMEA etc). Holdings a Master Degree in Technology Management and graduates in Industrial Science (Mathematics) discipline from Universiti Teknologi Malaysia (UTM). Currently pursue PhD in Engineering Technology (Manufacturing), focus on Lean Six Sigma deployment for SME using Technology Acceptance Model (TAM).

With Certified Train The Trainer (TTT/4930); he managed to developed and successfully conducted the training and consultancy to internal / external organization in the field of QCC / ICC, Lean Office Management, Lean Healthcare and customize teambuilding with interactive hands-on activities / simulations been blend in the program / course depends on customer's needs. Successfully accomplished several Lean Six Sigma and QCC/ICC projects at DRB-HICOM Automotive, Faber Group Berhad (UEM Group), Panasonic AV, PSB Decoration (Nusajaya). Appointed as sole consultant by PEMANDU, Prime Minister Department, to roll-out Lean Healthcare & Lean Agile program among all state hospital (under Ministry of Health) throughout Malaysia since 2013 until now with splendidly applied at 3 pilot hospitals; HSA & HSI, Johor Bahru, HTAR, Klang and Hospital Kuala Lumpur (HKL).

INDUSTRIAL EXPERIENCES

Have a solid 10 years of working experience in MNC companies i.e. Hewlett-Packard, Western Digital, Flextronics and Brother Industries; specialize in quality improvement activity, project management, new product introduction (NPI) experience from design concept to product/program realization and academic. Proven as an excellent project lead with excellent management skills, strong technical knowledge in production assembly/manufacturing and good analytical skills in manufacturing environment.

Several awards and accomplishments as listed below:

1. Gold Medal at ICC Convention East Regional from Malaysian Productivity Cooperation (MPC). 2004
2. Award from Hewlett Packard for outstanding contribution in manufacturing role, to the success of new printer mechanism namely Kman NPI program. Significant improvement in driving cost (reduce 20% of operation supply) and quality for Kman. September 9, 2008
3. Award from Hewlett Packard in recognition of outstanding effort in contribution to lead the contract manufacturer quarterly audit on 2008. October 29, 2008
4. Award from Hewlett Packard for the excellent contribution and flexibility to improve the operational excellence of BPD's products especially Benz and Daimler model. October 29, 2008
5. Magnificently transferred new Flextronics integrated plant at Pelabuhan Tanjung Pelepas (PTP) from various sub-plant (Melaka, Tampoi, Pasir Gudang) with industrial engineering approach and waste elimination and cost improvement impacts. March 2006 - June 2007
6. Anugerah Kecemerlangan Staff UniKL MITEC 2011: Anugerah Staff Berketerampilan, 2011
7. Director of UniKL Staff Sport 2013

PUBLICATION & PAPERS

No.	Name of the Publication / Conference / Seminar / Workshop /Participant	Date of Publication / Paper Presentation	Level (International / National)
1.	Development of Innovation Model for Research Universities in Malaysia, International Material, Industrial and Manufacturing Engineering Conference (MIMEC2013).	4-6 December 2013	International Scopus Indexed
2.	Development Time in Liquid Penetration Testing for Metal Butt Joint, International Conference on Mechanical and Manufacturing Engineering (ICME2013).	17-19 December 2013	International Scopus Indexed
3.	Six Sigma Applications: Enhancement Sigma Level towards Quality Improvement at Automotive Company, International Conference on Frontiers of Energy, Materials and Information Engineering (ICFEMI 2014).	21-22 August 2014	International Scopus Indexed
4.	UniKL Postgraduate Symposium 2014 Paper: Critical Success Factors of Lean Six Sigma Deployment: A Current Review	4 th December 2014	University
5.	MITEC Research Colloquium 2014. Paper: Transforming Malaysian Healthcare Service Delivery Through Lean Applications - A case study framework for lean implementation	12 th November 2014	University
6.	Advanced Materials Research. Vols (1044-1045) 2014pp 1780-1784. Trans Tech Publication, Switzerland. Doi:10.402/www.scientific.net/AMR.1044-1045.1780 Paper: Six Sigma Applications: Enhancement Sigma Level towards Quality Improvement at Automotive Company	13 th August 2014	International Scopus Indexed
7.	Critical success factors of Lean Six Sigma deployment: a current review", International Journal of Lean Six Sigma, Vol. 6 Iss 4 pp. 339 - 348 Permanent link to this document: http://dx.doi.org/10.1108/IJLSS-04-2015-0011	13 October 2015	International (Publisher: Emerald) Scopus Indexed
8.	Design Of Experiments Application Towards Improving Efficiency Of Press Machine, International conference on Mechanical and Manufacturing Engineering 2015 (ICME2015)	20-21 October 2015	International Scopus Indexed
9.	Journal Paper Writing Workshop	2-3 September 2015	National

10.	Review Manuscript ID IJLSS-10-2015-0039.R1 entitled "IMPACTS OF LEAN SIX SIGMA OVER ORGANIZATIONAL SUSTAINABILITY: A SYSTEMATIC LITERATURE REVIEW ON SCOPUS BASE" for the International Journal of Lean Six Sigma.	April 2016	International
11.	Review Manuscript ID IJLSS-06-2015-0024.R1 entitled "Lean Six Sigma and Environmental Sustainability: The case of a Norwegian Dairy Producer" for the International Journal of Lean Six Sigma.	April 2016	International
12.	Main author for paper (presented and submitted) "Lean Six Sigma Critical Success Factors Revisited", International Research Conference and Innovation Exhibition (IRCIE), October 2016. Will publish either International Journal Advanced and Applied Sciences (IJAAAS); ISSN: 2313-626X (Print), 2313-3724 (Online), ISI indexed journal, WoS or ARPN Journal of Engineering and Applied Sciences (ARPN JEAS); 1819-6608, Scopus- indexed.	October 2016	International
13.	Co-author for paper "Press Machine Process Improvement By Using DOE Method", ARPN Journal of Engineering and Applied Sciences, Vol.11, No.14, July 2016, ISSN 1819-6608, Scopus Indexed.	July 2016	International
14.	Review Manuscript AD1006 entitled "The Roles Of Employees' Coaching Towards Employee Outcome: A Conceptual Framework" for the Malaysian Journal of Industrial Technology (MJIT).	January 2017	International
15.	Review Manuscript AD1007 entitled "The Business Development Plan Report For Pengerang Industrial Area: The Financial Support Aspect" for the Malaysian Journal of Industrial Technology (MJIT).	January 2017	International