



MOHD AMRAN BIN MOHD DARIL

Senior Lecturer, Quality Engineering Section,
Universiti Kuala Lumpur (UniKL), Malaysian Institute of Industrial Technology (MITEC),
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PERSONAL PARTICULAR

IC : 770530-14-5823
DOB : 30 May 1977
Nationality : Malaysian
Race : Malay
Religion : Islam
Gender : Male
Marital Status : Married

CURRENT ROLE

As a senior lecturer in UniKL-MITEC, main responsibilities and accountabilities are to play a vital role in nurturing, teaching and educating future engineer (i.e. students), active in research and development, continuous provide service to community and offer consultancy to external/internal organization. Previously is holding various management positions such as Head of Research and Innovation and Head of Section Quality Engineering.

Main interest is related to the quality improvement methodology such as Lean and Six Sigma, as well as any tools and techniques that related to the effort of improvement activities. Has granted with several research grants from internal and external scheme. Subjects matter expert amongst others are Innovative and Creative Circles (ICC), Lean Six Sigma (Trained by Motorola University and Certified Master Lean Six Sigma Black Belt from UniKL MITEC), Quality Tools and Improvement Method and; Statistical Quality Control, Statistical Process Control. Vast experiences in conducting short courses, training and consultation for various industries (manufacturing, services and oil & gas) such as Ministry of Health Malaysia, Ministry of Housing and Local Government Malaysia, Panasonic AVC Networks Johor, PSB Decoration Sdn Bhd, Faber Group Berhad and Dimension Bid Sdn Bhd.

WORKING EXPERIENCES

Over 17 years combine working experiences in manufacturing industry (US and Japan based company), service and academic environment. Scope of working experiences are including the quality improvement activities, project management, new product introduction (NPI) from design concept to product/program realization, production assembly and plant maintenance, new bachelor and master program development. Proven as an excellent project leader with excellent management skills, strong technical knowledge in production assembly/manufacturing and good analytical skills in manufacturing, service and academic environment

Recognize as an effective and motivational team player with a good attitude and consistent track record in delivering bottom line results for each project undertaking. Proven as

a result driven person in improving customer satisfaction and demonstrating an excellent interpersonal and communications skill across all levels of group in the organization. Several awards and accomplishments amongst other are;

1. Gold Medal in Mini QCC Convention from Malaysian Productivity Cooperation (MPC), 2002.
2. Gold Medal in National ICC Convention from Malaysian Productivity Cooperation (MPC), 2004.
3. Award from Hewlett Packard Singapore for outstanding contribution in manufacturing role to the success of new printer mechanism namely Akita Thing NPI program. This product is newly to HP design in order to compete in printer technology industry. June 22, 2006
4. Award from Hewlett Packard Malaysia Sdn Bhd for the contribution to lead the effort to enable Garibaldi lines ramp up from 15K/month to 240K/month. This was challenging because the Contract Manufacturer never had experience to build with such high volume and it was in the midst of factory transfer from Singapore to Johor Bahru. April 22, 2007
5. Award from Hewlett Packard Singapore for the excellent contribution in driving down the Operating Supply cost for K2 and Everest from US\$2 per unit printer to US \$1.4 per unit printer. Cost saving over US\$2 billion in 2008. June 19, 2008
6. Anugerah Pekerja Cemerlang Peringkat UniKL MITEC, 2011

EMPLOYMENT HISTORY

University Kuala Lumpur, Malaysian Institute of Industrial Technology Aug 2009 - Present

Position Held

- Senior Lecturer (Quality Engineering, UniKL MITEC) 2014 - Present
- Lecturer (Quality Engineering), UniKL MITEC 2009 - 2014
- Head, Research and Innovation Department 2013 - 2014
- Head of Section (Quality Engineering), UniKL MITEC 2010 - 2013
- Instrumentation and Control Engineering Project Lead, UniKL MITEC 2011 - 2012
- MITEC R&D Coordinator, UniKL MITEC 2010 - 2011

Research Grant

- 1) The Manufacturing Performance Factors (MPF) of Electric and Electronic Industries In Penang And Johor Bahru: Criteria For Sustainability: Project Leader; Short Term Research Grant, UniKL (RM 17,340)
- 2) The Development of Manufacturing Sustainability Framework for Malaysian Industries Utilizing a Macro-Supply Chain (McSC) Approach. Co-Researcher; Fundamental of Research Grant Scheme (RM 30,000)
- 3) Development of Manufacturing Sustainability Framework for Electrical and Electronics Industries in Malaysia: Integrated Critical Success Factor: Co-Researcher; Short Term Research Grant, UniKL (RM 17,564)

Final Project Supervision

Bachelor of Engineering Technology (Hons) in Quality Engineering;

- 1) Development of Value Stream Mapping (VSM) Model at Puspakom Johor Bahru Vehicle Inspection Center. July 2011
- 2) The Development of Regression Equation among Raw Water Quality Parameters for Raw Water Quality Testing. July 2011
- 3) The Manufacturing Performance Factors (MPF) of Electrical and Electronic Industries in Pasir Gudang, Johor: Criteria for Sustainability. May 2012
- 4) Problem-Solving Tools and Techniques: A Selection Guideline. November 2012.
- 5) Study on the Root Cause Analysis in Methodology of PDCA and Islamic Perspective. November 2012

- 6) The Study of Exploration on Turnover Time Using Lean Approach at Hospital Operating Room. November 2012
- 7) The Study of Supplier Selection Criteria in Service Industry Based on Manufacturing Industry Perspective. May 2013
- 8) Application of DOE on Best Parameter and Performances of Roundness Measurement Machine at UniKL MITEC. 2013
- 9) Comparative Study Between Laser Interferometer and Gauge Block by Universal Length Measurement (ULM) Machine . 2013
- 10) Study on Application of Statistical Process Control and Poka-Yoke Technique in Order to Improve Water Consumption at Hostel UniKL MITEC. 2013
- 11) Lean in Healthcare: Reducing Muda in Medical Ward Hospital Sultan Ismail, Johor 2016
- 12) Lean in Healthcare: Reducing Mura Muri in Medical Ward Hospital Sultan Ismail, Johor, 2016.

Diploma of Engineering Technology in Quality Engineering;

- 1) Electrical and Electronic Industry Performance Criteria (IPC) in Pasir Gudang area. November 2010
- 2) Comparison of Waste Handling In Pandan City Wet Market and Kipmart Wet Market in Johor Bahru. July 2011
- 3) Motion study and Improvement at Assembly Production at Calsonic Kensei Malaysia Sdn Bhd. July 2011

New Program Development at UniKL MITEC

1. Lead the development of new bachelor engineering technology program at UniKL MITEC in 2011, namely Bachelor of Engineering Technology (Hons) in Instrumentation and Control Engineering. JPT/BPP (N/523/6/0093) 09/17, MQA PA 1995
2. Lead the development of new bachelor engineering technology program at UniKL MITEC in 2016, namely Bachelor of Engineering Technology (Hons) in Oil and Gas. (In progress)
3. Member of the development of new master program at UniKL MITEC in 2016, namely Master in Quality Engineering and Management. (In progress)

Lean Six Sigma Projects

1. Reduction of Dirt Defect Rate at Top Coat Process In Paint Shop (Mercedes Benz), DRB-HICOM Automotive, Pekan, Pahang.
2. Cost Reduction on Door Glass Scratches for Suzuki Swift, DRB-HICOM Automotive, Pekan, Pahang.
3. Cycle Time Improvement at Body Shop (Suzuki Swift), DRB-HICOM Automotive, Pekan, Pahang.
4. Improvement of Planned Preventive Maintenance (PPM) at Faber Group Berhad
5. Energy Performance Management System (EPMS) at Faber Group Berhad

Publications (Conference/Journal/Colloquium/Symposium/Paper Work/Projects/Thesis)

1. "Hewlett-Packard Malaysia Technology Sdn Bhd Staff's Perception on Research and Technological Linkages with Universities." Universiti Teknologi Malaysia: Master Thesis (Project), 2008.
2. "Production of 100,000 Metric Tons of Methanol per year." Universiti Teknologi Malaysia: Bachelor Project Design, 1999.
3. "Experimental of Pilot Plant Scale in Recovery of Mineral Oil from Waste Fuller via Solvent Extraction." Universiti Teknologi Malaysia: Bachelor Thesis, 1999.
4. "The development of Regression Equation between Raw Water Quality Parameter for Raw Water Quality Testing.", University Kuala Lumpur, Malaysia Institute of Industrial Technology, Colloquium, 2012.
5. "Development of Value Stream Mapping (VSM) Model at Puspakom Johor Bahru Vehicle Inspection Center.", University Kuala Lumpur, Malaysia Institute of Industrial Technology, Colloquium, 2012.
6. "Lean Thinking Adoption in Malaysia: Identification of Practices and Barriers, and Critical Success Factors in Transition of Manufacturing to Services Industry", Seminar

Kecemerlangan Organisasi Melalui Kreativiti dan Inovasi (by Malaysian Productivity Corporation) 28 February 2013, Kuantan, Malaysia.

7. "Perlaksanaan Aktiviti Kaizen dalam Pengurusan LEAN bagi Sektor Perkhidmatan"., Seminar Kecemerlangan Organisasi Melalui Amalan Pengurusan LEAN (by Malaysian Productivity Corporation), 29 May 2013, Kuala Terengganu, Malaysia.
8. "Recycling of Aluminium - Developing Design Criteria for Aluminium Cans Compressor", International Material, Industrial and Manufacturing Engineering Conference (MIMEC2013), 4-6 December 2013, Johor Bahru, Malaysia.
9. "Recycling of Aluminium - Developing Design Criteria for Aluminium Cans Compressor", Journal Advanced Materials Research Vol. 845 (2014) pp 489-493 doi: 10.4028 / www.scientific.net / AMR.845.489, © (2014) Trans Tech Publications, Switzerland
10. "Six Sigma Applications: Enhancement Sigma Level towards Quality Improvement at Automotive Company", Advanced Materials Research, ISSN: 1662-8985, Vols (1044-1045) 2014pp 1780-1784. Trans Tech Publication, Switzerland. Doi: 10.402 / www.scientific.net / AMR.1044-1045.1780
11. "Transforming Malaysian Healthcare Service Delivery Through Lean Applications - A case study framework for lean implementation", UniKL MITEC Research Colloquium (MRC 2014), 12th November 2014.
12. "Body of Knowledge Quality Tools and Techniques", Universiti Kuala Lumpur Postgraduate Symposium 2014, 4th December 2014.

Professional Consultancy and Entrepreneurship

1. Trainer and Consultant for "Gemba Kaizen Coaching Program", PSB Decoration Sdn Bhd, Aug 2012. (Grant: RM 10,000.00)
2. Trainer for "ICC Teambuilding" at UniKL MITEC, 2012 (Grant: NIL)
3. Trainer for "ICC Teambuilding", Panasonic AVC Networks Johor, 2012. (Grant: RM 5,000.00)
4. Panel for Round Table Discussion (RTD), "Lean Management Practitioners Certification", organized by Malaysian Productivity Corporation (MPC), Dec 2012. (Grant: NIL)
5. Trainer and Consultant for Lean Office Management (LOM) Training for UniKL (Headquarter, MICET, MIAT, MITEC), Jan 2013 - Mar 2013. (Grant: RM 5,400.00)
6. Panel Member in the Development of National Occupational Skill Standard (NOSS) for Lean Production System (LPS) - Jidoka Operation Level 2, 3, May-Jul 2103. Malaysia Automotive Institute (MAI). (Grant: NIL)
7. Trainer for Root Cause Analysis (RCA) Training at Dimension Bid Sdn Bhd (Oil & Gas), Sept 2013. (Grant RM 6,800.00)
8. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Lean Healthcare - "Reducing Waiting Time at Orthopedic Clinic, Hospital Sultan Ismail (HSI), Johor Bahru", Sept 2013-Mar 2014. Collaboration with MoH and PEMANDU. (Grant: RM 106,957.00)
9. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Lean Healthcare - "Reducing Cancer Treatment Waiting Time, Hospital Sultan Ismail (HSI), Johor Bahru", Sept 2013-Mar 2014. Collaboration with MoH and PEMANDU. (Grant: Same grant in no 8)
10. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Public Facilities Improvement (PFI) - "Improve Public Toilet at Pantai Port Dickson", Feb 2014-Aug 2014. Collaboration with KPKT, MPPD and PEMANDU. (Grant: RM 163,443.00)
11. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Lean Healthcare - "Reducing Waiting Time at Emergency Department, Hospital Tengku Ampuan Rahimah (HTAR), Klang", May 2014-Oct 2014. Collaboration with MoH and PEMANDU. (Grant: RM 185,994.90)
12. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Lean Healthcare - "Improve Medical Ward Congestion - Reduce BOR, Hospital Tengku Ampuan Rahimah (HTAR), Klang", May 2014-Oct 2014. Collaboration with MoH and PEMANDU. (Grant: Same grant in no 11)
13. Facilitator for Lean Healthcare Workshop, "Development of Guidelines for Implementation of Lean Healthcare Initiatives, Nationwide", July 2014. (Grant: RM 4,000.00)

14. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Lean Healthcare - "Improve Patient Waiting Time at Ophthalmology Specialist Clinic, Hospital Sultanah Aminah (HSAJB), Johor Bahru", Nov 2014-Apr 2015. Collaboration with MoH and PEMANDU. (Grant: RM 130,000.00)
15. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Lean Agile for 16 hospitals across Malaysia (state and major hospitals) - Emergency Department and Medical Ward, Jan 2015-Sept 2015. Collaboration with MoH, IHSR and PEMANDU. (Grant Stage 1: RM 175,578.48) (Grant Stage 2: RM 145,530.00)
16. Facilitator and Consultant Workshop on Training Development for Institute for Health Systems Research, Ministry of Health, 6-8 October 2015 (Grant: RM 6,240.00)
17. Trainer - In-House Lean Management Training for UniKL, 21-22 September 2015. (Grant: NIL)
18. Trainer and Consultant - Lean Management Training for UniKL Royal College of Medicine Perak (RCMP), 16-18 November 2015. (Grant: RM 6,655.00)
19. Trainer and Consultant - Lean Management Training for UniKL Malaysian Spanish Institute (MSI), 13-14 June 2016. (Grant RM 4,800.00)
20. Trainer and Consultant - Lean Six Sigma Greenbelt Certification and Training for MoH and MoHA , 18-23 July 2016 (Grant: RM 75,000.00)
21. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Lean Healthcare - "Improving Patient Experience at Medical Ward, Hospital Kuala Lumpur", Jan 2016-June 2016. Collaboration with MoH and PEMANDU. (Grant: RM 143,346.00)
22. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Lean Agile Orthopedic and Ophthalmology for 4 hospitals (Hospital Kuala Lumpur, Hospital Selayang, Hospital Sungai Buloh, Hospital Tengku Ampuan Rahimah Klang), Mar 2016 - Aug 2016. Collaboration with MoH and PEMANDU. (Grant: RM 148,047.00)
23. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Hospital Kuala Lumpur Transformation_Towards Premier Hospital_Patients Records Improvement, Feb 2017 - Jul 2017. Collaboration with MoH and PEMANDU. (Grant: RM 145,587.00)
24. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Heijunka Patient's Appointment Levelling at Specialist Clinics, Hospital Sungai Buloh, Selangor, Feb 2017 - Jul 2017. Collaboration with MoH and PEMANDU. (Grant: RM 138,112.00)
25. Trainer and Consultant - Public Service Delivery Transformation (PSDT), SMED for Operation Theatre at Hospital Sultan Ismail, Johor Bahru, June 2017 - Nov 2017. Collaboration with MoH and PEMANDU. (Grant: RM 110,066.00).
26. Trainer and Consultant - Public Service Delivery Transformation (PSDT), Hospital Kuala Lumpur Transformation_Towards Premier Hospital_Support Service Improvement, May 2017 - Oct 2017. Collaboration with MoH and PEMANDU. (Grant: RM 138,112.79)
27. Trainer for "Bengkel Pemantapan Peranan Lean Champion Inisiatif Lean Healthcare di KKM", 21-22 Apr 2017. (Grant: RM 8,000.00)

Hewlett-Packard (M) Technology Sdn Bhd

Feb 2006 - June 2009

Responsibilities

Overall roles and responsible (R&R) is to manage the operation at Contract Manufacturers (CM) in order to meet the organization's objectives. The expectation is to play critical roles as point of integration among World Wide R&D, Manufacturing and Outsourcing Partners. Lead in management of cross-functional teams between HP and Contract Manufacturers to manage and meet the objectives of total customer experience in term of quality, delivery and cost of HP's products from Earlier (NPI) stage until End of Life (EOL) stage. Obtain several awards and rewards for outstanding performance as stated above.

Responsibilities

Overall roles and responsible (R&R) is directing all engineering activities in the ink plant with major emphasis on Quality, Cost and Delivery. Require to manage new product introduction (NPI) which is Print Head for Ink Jet Printer, from design concept to product/program realization. New Product Introduction from Japan to Malaysia:-

- a. 17th June 2001 until 1st July 2001
New Product Introduction for new design of print head (BY4 Model) and new process infrastructure (layout, equipment, etc). Responsible to transfer the knowledge, technology and requirement to Brother Malaysia.
- b. 2nd December 2001 until 16th December 2001
Print Head new technology transfer from Japan to Malaysia that was introduced as pioneer technology to market in 2001. Responsible to transfer the knowledge, technology and requirement to Brother Malaysia. Require to understand the relationship between process control and design specification.

EDUCATIONAL BACKGROUND

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| 1. Candidate PhD in Engineering Technology (Manufacturing)
Universiti Kuala Lumpur. | Estimate completed in 2017 |
| 2. Master in Management of Technology
University Technology of Malaysia (UTM) | June 2008 |
| 3. Bachelor of Engineering (Chemical) - Hons
University Technology of Malaysia (UTM) | April 2000 |

PROFESSIONAL DEVELOPMENT

- Graduate Engineer, Board of Engineer Malaysia (BEM) - GE143480A
- Member of Malaysian Society for Engineering and Technology (MySET) - Reg no. MS#01147
- Pakar Pengajar (PAJAR), Sektor Pengangkutan (TP05-00), Sub Sektor Jentera & Pengangkutan Darat (5.3), Siri Pendaftaran Direktori Pakar Industri Negara no. 770530145823, Jabatan Pembangunan Kemahiran (JPK).
- Certified Trainer (TTT/4933) - PSMB/MIM
- Certified Trainer - Lean Six Sigma Green Belt - Motorola University
- Lean Six Sigma Green Belt Program - Motorola University
- Master Black Belt Lean Six Sigma - Universiti Kuala Lumpur MITEC
- Design for Manufacturability - National University Singapore
- Design of Experiment - University Sains Malaysia
- Taguchi Method - Shin Taguchi / Universiti Teknologi Malaysia
- Geometrical, Dimensional and Tolerances; GD&T - Hewlett Packard
- Project Management Fundamental - Hewlett Packard
- KT- PSDM (Problem Solving Decision Making) - Kepner Tregoe
- Failure Mode Effect Analysis Workshop - Hewlett Packard / Brother Industries
- Program on Gemba Kaizen - The Association for Overseas Technical Scholarship (AOTS)
- Basic and New 7 QC Tools - Brother Industries Tech (M) Sdn Bhd
- Internal Quality Auditing- Neville Clerk
- Judging of ICC Presentation - NPC
- Pedagogy Training (P1-P4) - UniKL
- Outcome Base Learning - UniKL
- Academic Writing - UniKL