

CONSULTATION AND PUBLICATION

Grant

- Six Sigma & Voice Of Customer Integrated Approach In Government Sector Towards Service Excellence – (Main - Researcher)
- Voice Of Customer: A Measurement Of Employer Satisfaction Towards Graduate Attributes Using Quality Function Deployment Approach- (Co Researcher)
- Assessment On Readiness For Lean Healthcare Implementation At Malaysian Public Hospitals (Co-Researcher)

Publication

- **A.W. Mohamad Ikbar.** (2015) Press Machine Process Improvement by Using Doe Method *ARPN Journal of Engineering and Applied Sciences*. **Scopus Indexed – Main Author**
- **A.W. Mohamad Ikbar** (2015) Queuing Theory Application: Capacity Analysis for Public Toilet at Teluk Kemang Towards Customer Satisfaction *International Journal of Scientific and Engineering Research*, 6(4)- **Main Author**
- **A.W. Mohamad Ikbar,** (2015). Factors Affecting Students' Intention to Study at Higher Learning Institution of Technical and Vocational Education and Training. – **Co Author**
- **A.W. Mohamad Ikbar** (2014) Design of Experiment (DOE) Approach to Optimize Accuracy of Surface Roughness", *Applied Mechanics and Materials*, Vols. 465-466, pp. 1224-1228, 2014 **Scopus Indexed – Co Author**
- **A.W. Mohamad Ikbar,** (2014) Six Sigma Applications: Enhancement Sigma Level towards Quality Improvement at Automative Company, *Advanced Materials Research*, Vols. 1044-1045, pp. 1780-1784 **Scopus Indexed- Main Author**
- **A.W. Mohamad Ikbar,** (2013). Implementation of DMAIC Six Sigma Methodology in Automotive Company. Google Scholar –**Main Author**
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Consultation & Training Conducted

- Gemba Kaizen Consultation at PSB Decoration Sdn Bhd – **Principle Consultant**
- Root Cause Analysis Training and Consultation at Dimension Bid Sdn Bhd- **Principle Trainer**
- Lean Office Management Training for UniKL (MIAT.MICET & MITEC)- **Principle Trainer**
- Public Service Delivery Transformation – Public Facilities Improvement, Public Service Delivery Transformation Consultation for Majlis Perbandaran Port Dickson, Kementerian Kesejahteraan Bandar, Perumahan Dan Kerajaan Tempatan- **Principle Consultant**
- Public Service Delivery Transformation – Lean Healthcare at Hospital Tuanku Ampuan Rahimah – **Invited Trainer**
- Public Service Delivery Transformation – Lean Healthcare at Hospital Sultanah Aminah- **Invited Trainer**
- Public Service Delivery Transformation - “Modern Policing” Transformation- **Invited Trainer**
- Measurement Unit Training - **Principle Trainer**

INDUSTRIAL EXPERIENCE

- **Sr Lean Engineer (April 2011- May 2012) at Flextronics Technology (M) Sdn Bhd**
 - Kaizen activity saving tracking report, data from Global Business Excellence & manual track 6 month saving.
 - Coordinate between Kaizen owners with finance representative on project hard saving calculation method validation.
 - Screen thru potential Best Practices from overall plant wide
 - To rectify potential BP physically (3 GEN) whether result quantify correctly and sustainable.
 - Coach the SGA and Internal Kaizen Workshop leader in the kick off meeting. E.g. define appropriate problem statement on the assign project scope from the HODs, derive project objective, elaborate project background & etc.
- **Production Engineer & Quality Engineer , Innovalues Precision Sdn Bhd, Pasir Gudang, Johor (April 2009 – Mac 2011)**
 - Control of customer's drawing and documentation, develop Process, Work instruction and Control Plan
 - Provide Technical Knowledge, Customer Specification understanding, ISO System Documentation TS 16949 : 2002 and Engineering general knowledge to related department and sub-ordinate.
 - Coordinate any Design of Experiment (DOE) request from customer or internal study for improvement.
 - Ensure external & internal 8D-CAR is issued, track and close within stipulate time frame.

MASTER PROJECT (2010/2011)

The title is Quality Improvement At a Precision Part Manufacturing Company Using Six Sigma Methodology. The Six Sigma DMAIC methodology consists of five phases which are Define (D), Measure (M), Analyze (A), Improve (I) and Control (C) respectively. The objective of the project is to increase the sigma level of the process to 3.5σ . The project started with define phase which is problem identification. Nonconformance data for a period of three months were analyzed. Current process performance were analysed to identify are of improvement and some recommendation for improvement have been implement to the process. Current sigma level was increase from 3.02σ to 3.65σ .

ACHIEVEMENT AND RECOGNITION

Commission as Young Lieutenant in Reserve Officer Training Unit (ROTU) in Malaysian Army.
Member of Board Engineer (Reg. No: 63551A)
Green Belt Holder for Six Sigma Project
Certified Internal Auditor (Serial No : 000803)
Certified for Train The Trainer by Malaysian Institute of Management (Certificate No: TTT/7742)
Flextronics Lean Reward (Sorcery Line Material Replenishment Improvement)
Site Superior for Internship Programme
Facilitate Master Project for UTM Student (*Mixed Integer Programming (MIP) Model for Production Scheduling in an Automotive Company*)

REFERENCE

Name	: Fairul Anwar Abu Bakar	Name	: Assoc. Prof. Dr. Abdul Rahman Abd. Rahim
Telephone	: 012 7722333	Telephones	: 0197568588
Designation	: Previous HOS, Quality Engineering	Designation	: Personal Advisor & Lecturer
Organization	: Universiti Kuala Lumpur MITEC	Organization	: Faculty of Mechanical UTM