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Academic Qualification

PhD Manufacturing Ssystem Engineering, Univsersiti Kebangsaan Malaysia
Msc. Manufacturing System Engineering, University of Warwick, UK
B.Eng Manufacturing System Engineering, University of Sunderland, UK

Brief Profile

Ahmad Nasser Mohd Rose is currently at Faculty of Mechanical Engineering, Universiti Malaysia Pahang. He has involved in teaching since 1997 with Terengganu Advanced Technical Institue (TATI). In addition, he has also actively involved in ISO 9000 at TATI and was appointed as Management Representative (MR). Apart from teaching experience, he also had industry experience with Hitachi Consumer Product (M) Sdn.Bhd., Bangi. At Hitachi, he was in-charged Incoming Quality and New Parts Development. Hands-on experience in Quality Management at Hitachi has made him confident to deliver and managing quality issues. Currently, he undertakes a research on lean manufacturing implementation in SMEs automotive component industry.

Working Experiences / Appointment

2006~now Lecturer at Universiti Malaysia Pahang
1997~2006 Lecturer at Terengganu Advanced Technical Institute (TATI)
1989~1993 Quality Supervisor at Hitachi Consumer Product (M) Sdn.Bhd.

Expert Area

Quality Management, Lean Manufacturing, Quality Circle, 5S

Research Interest

Lean manufacturing, Six Sigma, Productivity and Quality improvement, Plant layout optimisation, Ergonomics.

Research Project / Grant

KTP Grant – An innovation in new fixture design and layout for processing fish cracker.	Completed
Internal Grant- A Study of Lean Manufacturing Implementation in SME - Automotive component Industry.	In progress
Internal granty - Embedded Ergonomic in Design for Assembly of Automotive Body Sub-Components	In progress

Professional Qualification / Membership / Affiliation / Experience

Teaching Experience

Lean manufacturing System
Purchasing for Engineers
Engineering Economics
Industrial Engineering
Quality Management
Production Planning and Control
Occupational, Safety and Health

Post Graduate Supervision

Anith Farhana – Development of Lean kitting model in electronic company (Sem 3/In progress)	Main
Muhaimin Mustaqim bin Jamaludin – Ergonomics study in armoured vehicle manufacturing industry - (Sem2/In progress)	Main

Degree / Final Year Supervision

- Abdullah, A.I. 2017.** Study of working posture in SME Food Industry using Jack Process and Simulate Human Software 2017
- Sahar, N.H. 2015.** A proposal of new ergonomics chair as to minimize the musculoskeletal disorders (MSDs) at automotive components industry
- Danil, S.M. 2015.** Production layout improvement by using Witness Simulation Software
- Mohd Noor, H. 2014.** Improving productivity through value stream mapping (VSM) – Case study at Electrical & Electronic Company.
- Yong, G.K. 2007.** The importance of industrial engineering in small and medium industries: A time study in manufacturing industry.
- Bahari, M.Y. 2007.** Optimum ratio of recycled high density polyethylene (HDPE) or blow molding process
- Abd Raop, M.K. 2007.** Polypropylene (PP) reinforced with recycle polyethylene terephthalate (PET) as an alternative material for new plastic product.
- San, M.J.H 2007.** The suitability of aluminium as an alternative material for car body.
- Abd Raheem, M,N. 2007.** The comparative study between implementation of material requirement planning (MRP) and Just in Time (JIT) system in selected industry.
- Seman, M.S. 2007.** Investigate and analyse the failure of turning cutting tools.

List of Publications

- ANM Rose, MFF Ab Rashid, NMZ Nik Mohamed, H Ahmad 2017.** Similarities of lean manufacturing approaches implementation in SMEs towards the success: Case study in the automotive component industry. Journal MATEC Web of Conferences Volume 87
- MN Ismail, **ANM Rose**, NZ Mohammed, MFF Ab Rashid 2017. Development of Six Sigma Methodology for CNC milling process improvements. IOP Conference Series: Materials Science and Engineering 257 (1).
- AFH Fansuri, **ANM Rose**, NMZN Mohamed, H Ahmad 2017. The challenges of lean manufacturing implementation in kitting assembly IOP Conference Series: Materials Science and Engineering 257 (1).
- Rose, A.M.N.**, B.M. Deros, and M.N.Ab. Rahman 2014. Critical Success Factors for Implementing Lean Manufacturing in Malaysian Automotive Industry. Research Journal of Applied Sciences, Engineering and Technology Vol 8(10), pp1191-1200.
- M. Alias, Wan Ab Aziz, S.B. Mohamed, Z. Ibrahim, M.S. Muda, **A.N.M. Rose**, 2014. Strategic Human Resource for Lean Management involving Quality and Operational Performance Australian Journal of Basic and Applied Sciences, 8(4) Special 2014, Pages: 752-760.
- Rose, A.M.N.**, Deros, B. Md., Rahman, M.N. Ab. 2012. Lean manufacturing practices implementation in Malaysian's SME automotive component industry. International Conference on Mechanical and Manufacturing Engineering.
- Rose, A.M.N.**, Deros, B. Md., Rahman, M.N. Ab. 2012. Lean manufacturing perception and actual practice among Malaysian SME in Automotive industry. International Conference on Material Science, Metal and Manufacturing Engineering.
- Rose, A.M.N.**, Deros, B. Md., Rahman, M.N. Ab. 2011. A study on lean manufacturing practices implementation in Malaysian Automotive Component Industry. Advanced processing and systems in Manufacturing Symposium 2011.
- Rose, A.M.N.**, Deros, B. Md., Rahman, M.N. Ab. 2011. Lean manufacturing best practices in SMEs. Proceeding of 2011 International Conference on Industrial Engineering and Operations Management, Kuala Lumpur 2011.
- Rose, A.M.N.**, Deros, B. Md., Rahman, M.N. Ab. 2010. Development of framework for lean manufacturing implementation in SMEs. 11th Asia Pasific Industrial Engineering & Management Systems (APIEMS) 2010.
- Rose, A.M.N.**, Deros, B. Md., Rahman, M.N. Ab. 2009. A review on contextual, infrastructures and lean manufacturing implementation in Malaysian Small and Medium Enterprises. Proceeding of the Regional Engineering Postgraduate Conference 2009.
- Rose, A.M.N.**, Deros, B. Md., Rahman, M.N. Ab. 2008. A review of lean manufacturing practices in small and medium enterprises. Proceeding Seminar 3 AMREG 2008.
- Rose, A.M.N.**, Deros, B. Md., Rahman, M.N. Ab. 2008. A review on lean manufacturing implementation in small and medium enterprises. Proceeding Seminar 2 AMREG 2008.

List of Books

Pelaksanaan Sistem Pembuatan Lean di Industri Kecil dan Sederhana – (In progress).

List of Consultancy

Hunstman Tioxide Operation Manual translation from English to Bahasa Melayu
Productivity improvement through redesign fixture at Mama Bake.

List of Research / Project

Lean manufacturing implementation in Malaysian Automotives component industry. (Ongoing Research)

Awards / Research / Achievements

Patents

Nil

List of Course / Conference Attended

1. International Conference on Mechanical and Manufacturing Engineering (ICME)2012.
2. Advanced Processes and System in Manufacturing, APSIM 2011 Symposium and exhibition Conference.
3. International Conference on Industrial Engineering and Operations Management 2011.
4. Asia Pacific Industrial Engineering & Management Systems (APIEMS) 2010 Conference.