CURRICULUM VITAE

PERSONAL PARTICULARS

Name in full: AEAD M. AHMED
Date and place of birth: 22 December 1979**,** Iraq Republic
Gender: Male
Nationality: Iraq
IC No. A10779739
State of Health: Very Good
Citizenship: Iraq Republic, (Iraq)
Permanent address: Iraq, Kirkuk
Current residence: Iraq, Mosul, Al-Hadabaa Sq.

1. Education and Academic Qualifications:

Universiti Malaysia Perlis, 2013, PhD. In Manufacturing & Production Engineering.
Universiti Putra Malaysia, 2009, MSc. In Manufacturing Engineering
University of Mustansiriya, 2004, BEng. In Applied Mechanical Engineering

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Profession: Mechanical, Manufacturing, Industrial, and Automation Engineer

2. Areas of Expertise

- Automation of Manufacturing Processes
- Theory of Industrial Productivity
- Automated Production Lines Design
- Machine Tools Technology
- Machine component design
- Statics, Kinematics and Machine Dynamics
- Gear Machining on Multi-Axis CNC Working Centres
- Industrial Machines Reliability
- Manufacturing Processes

3. Teaching Courses

1. **Engineering Mechanics**
2. **Mechanical of Material**
3. **Strength of Material**

4. **Mechanical Construction**
5. **Engineering Drawing**
6. **Mathematics**
7. **Manufacturing Engineering**
8. **Theory of Machine**

4. Research Activities (Publications).

A. Research Completed Journals:

1- **A. M. Ahmed Alwaise**, Omer H. Kanam, Jan (2022). Separator of parts for transporting to processing machines "International Journal of Mechanical Engineering"., Volume 7 No. 1 January, 2022, ISSN 0974- 5823. Ppg 2120-2126.

2- **A. M. Ahmed Alwaise**, Omer Haitham Kanam, (January 2021). Study of availblilty and productivity of automated lined" International Journal for Research inApplied Sciences and Biotechnology" Volume-8, Issue-1: ISSN 2349-8889, ppg 144-153.

3- **A. M. Ahmed Alwaise**; M. Ibrahim Alwiase; A. Y. Qasim; April (2020). Numerical investigation of heat transfer augmentation in curved channel using hybrid nanofluids, Journal of Experimental and Theoretical Nanotechonology, Vol 4, issue 2 ppg 85-95, ISSN 2590-4132.

4- **A. M. Ahmed Alwaise**, Omer Haitham Kanam, Dec (2019). Double cutters machining bevel gears with spiral tooth "Sylwan Journal", 163(12): ISSN 0039-7660 ppg 682-690.

5- **A. M. Ahmed Alwaise**, M. Ibrahim Alwaise, A. Y. Qasim, (2019). Numerical investigation of heat transfer augmentation in curved channel using hybrid nanotechnology" Experimantal and theoritical nanotechnology "Vol 4, issue 1, Jan 2020.

6- R. Usubamatov [1], Z. M. Zain, **A. M. Ahmed alwaise** (2011). productivity rate of machine tools depending on change on machining mode ''proceedings of the institution of mechanical engineers partB, Journal of Engineering Manufacture'' July 18, 2011 0954405410397258,

7- **A. M. Ahmed. Alwaise**, R. Usubamatov, Z.M Zain, (2011). Optimization of Multi-Tool Machining Process, "*Australian Journal of Basic and Applied Sciences*", 5(9): 2111-2119, 2011-ISSN 1991-8178

8- **A.M. Ahmed Alwaise,** R. Usubamatov, Z.M. Zain, Saifulddin abdulmanan, Bhuvenesh Rajamony (2011). Optimization of Machine Tools by Using the Maximum Productivity

Rate "*Australian Journal of Basic and Applied Sciences*, 5(11): 543-548, 2011-ISSN 1991-8178

9- **A. M. Ahmed alwaise,** R. Usubamatov, Z. M. Zain (2011). Productivity and optimization of section-based automated lines of parallel-serial structure with embedded buffers, "*International Journal of Advanced Manufacturing Technology*" ISSN 0268-3768, DOI 10.1007/s00170-012-4204-2.

10- **A. M. Ahmed Alwaise**, R. Usubamatov, Z. M. Zain (2012). Optimization of Multi-Cutting Machining Process "*International Journal of Advanced Manufacturing Technology"* Under review

11- R. Usubamatov*, **A. M. Ahmed. Alwaise**, and Z.M. Zain. (2012). Optimization of the multi-tool machining process with simultaneous action. proceedings of the institution of mechanical engineers part B, Journal of Engineering Manufacture'.

B-Conferences:

1- **A. M. Ahmed Alwaise**, M. Ibrahim Alwaise, A. Y. Qasim, (2018). Numerical investigation of heat transfer augmentation in curved channel using hybrid nanotechnology" Meetingon nanotechnology: principles and applications "MNPA-34.

2- **A. M. Ahmed Alwaise**, R. Usubamatov, Z. M. Zain (2011). Optimization of processing mode of machine tools by criterion of maximum productivity rate. "*Research Bulletin Australian Institute of High Energetic Materials*" ISBN: 978-0-9806811-9-2 vol. 1, ppg 64-75

3- R. Usubamatov, **A.M. Ahmed. Alwaise,** A. Qasim. (2011). Analysis of Productivity and Availability of Automated Lines" *International conference on Advanced Manufacturing* ICAM2011-1

4- **A. M. Ahmed Alwaise**, R. Usubamatov, Z. M. Zain (2011). Productivity and Optimization of the machining mode of cutting tools "*The International Postgraduate Conference on Engineering*" IPCE2011. Best Paper Third Prize

5- **A. M. Ahmed Alwaise**, R. Usubamatov, Z. M. Zain, (2012). Optimization of the processing mode of machine tools by using the criterion of minimum cost "*international conference on applications and design in mechanical engineering ICADME2012"*

6- R. Usubamatov, **A. M. Ahmed Alwaise**, Z. M. Zain (2012). Analysis of Productivity and Availability of Automated Lines with Complex Structure *"international conference on applications and design in mechanical engineering ICADME2012"*

7- **A. M. Ahmed Alwaise**. Z. M. Zain, R. Usubamatov. (2012). Effect of cutting speed on economics analysis and optimal machining condition by selection cemented carbide

turning tool. *Imiejs2012" The 2nd International Malaysia-Ireland Joint Symposium on Engineering, Science and Business*

C- Exposition:

1- I-Inova11. Movable vanes vertical axis wind turbine cavity shape (**A. M. Ahmed Alwaise**, A.Y. Qasim, R. Usumabatov and Z. M. Zain), Oct. 2011, **Silver Medal**

2- REKACIPTA 2012. Movable vanes vertical axis wind turbine cavity shape (R. Usumabatov, **A.M. Ahmed Alwaise**, A.Y. Qasim, and Z. M. Zain), Jan. 2012, **Silver Medal**

3- I-ENVEX 12. Design new vane vertical axis wind turbine cavity shape (**A. M. Ahmed Alwaise**, A.Y. Qasim, R. Usumabatov and Z. M. Zain), April 2012, **Silver Medal.**

5. Experiences

- 2015-2016 Teaching Engineering Mechanics Course at Collage of petroleum & Mining Engineering at University of Mosul
- 2015-2016 Teaching Engineering Drawing Course at Collage of petroleum & Mining Engineering at University of Mosul
- 2015-2016 Teaching Engineering Mechanics Course at Collage of Agriculture at University of Kirkuk
- 2015-2016 Teaching Engineering Drawing Course at Collage of Agriculture at University of Kirkuk
- 2015-2016 Teaching Basic of Computer Science at Collage of Education at University of Kirkuk
- 2015-2016 Teaching Basic of Computer Science at Hawija Technical Institute at North Technical University
- 2015-2016 Teaching Mathematics at Hawija Technical Institute at North University
- 16/7/2003 - 30/6/2006: Al Entidhar Company, Baghdad, Iraq. Consultant Engineering for Export & Import Mechanical devices.
- UNIVERSITY PUTRA MALAYSIA, (during Master Study): Lab. Supervisor

- Teaching totar in Manfacruinng Lab During my Ph. D Study 2010-2013
- Teaching Mechanics of Engineering at Al- Hawija Technical Institute 2013 to present

6. Training Courses Delivered

- CATIA & Master CAM, Mechanical Drawing Software
- Strategic Planning
- Strategic Thinking
- Time Management
- Change Management and Leadership
- Work Groups and Work Teams
- Leadership
- Scientific Report/Thesis Writing

7. Training Courses Attended

- Working Model Software, UPM,2008
- Automation Robotics and CAM, Universiti Putra Malaysia (KMP5801) KUL, 2008
- Total Quality Management (TQM), Malaysia Society for Quality, Universiti Putra Malaysia (KMP5901), 2008
- Advance Manufacturing Technology and Processes, Universiti Putra Malaysia (KMP5001) KUL, 2008
- Computer Application in Manufacturing System, Universiti Putra Malaysia (KMP5701) KUL, 2008
- Manufacturing System Design, Universiti Putra Malaysia (KMP5703) KUL, 2008
- Computer Aided Design and Manufacturing Laboratory, Universiti Putra Malaysia (KMP5802) KUL, 2008
- Computer Aided Design and Manufacturing Laboratory, Universiti Putra Malaysia (KMP5802) KUL, 2008
- Industrial Organization Management, Universiti Putra Malaysia (KMP5904) KUL, 2008
- Manufacturing Operation Management, Universiti Putra Malaysia(KMP5903), KUL, 2009

- Industrial Ergonomics Management, Universiti Putra Malaysia (KMP5907) KUL, 2009
- Maintenance Management System, Universiti Putra Malaysia (KMP5908) KUL, 2009
- Industrial Safety, Health and Environmental Management System, Universiti Putra Malaysia (KMP5909) KUL, 2009
- Project for Master " Design and Simulation Flexible Manufacturing System (KMP5988) KUL, 2009
- Six Sigma, Advanced Level (Green Belt), Euro Malaysian Advanced Business Institute (EMABI), Malaysia, 2009
- Strategic Planning, Euro Malaysian Advanced Business Institute (EMABI), Malaysia, 2009
- How to write Thesis, High Rank Journal (Workshop), Universiti Putra Malaysia, Malaysia, 2008
- Self-Motivation and Motivating Others (Workshop), Unit of Change Engineering-Malaysia Engineers Association, 2011

8. Activities

- 2nd March 2011 Until 01 March 2012 Scholarship" Graduation Assistance (GA) in Ref No. (UniMap/RMIC/GA/11 (1) for Project Title " Optimization of Machining Regimes by Criterions of Maximum Productivity and Minimum Cost

- 2nd March 2012 Until 01 March 2013 Scholarship" Graduation Assistance (GA) in Ref No. (UniMap/RMIC/GA/12 (2) for Project Title " Optimization of Machining Regimes by Criterions of Maximum Productivity and Minimum Cost

- 2nd March 2013 Until 01 March 2014 Scholarship" Graduation Assistance (GA) in Ref No. (UniMap/RMIC/GA/13 (3) for Project Title " Optimization of Machining Regimes by Criterions of Maximum Productivity and Minimum Cost

9. Prizes

- **Third Prize** Best Paper, **A. M. Ahmed Alwaise**, R. Usubamatov, Z. M. Zain (2011). Productivity and Optimization of the machining mode of cutting tools "*The International Postgraduate Conference on Engineering*" IPCE2011.

- **Silver Medal**, In Exposition. I-Inova11. Movable vanes vertical axis wind turbine cavity shape (**A. M. Ahmed Alwaise**, A.Y. Qasim, R. Usumabatov and Z. M. Zain), Oct. 2011,

- **Silver Medal**, In Exposition. REKACIPTA 2012. Movable vanes vertical axis wind turbine cavity shape (R. Usumabatov, **A.M. Ahmed Alwaise**, A.Y. Qasim, and Z. M. Zain), Jan. 2012,

- **Silver Medal**, In Exposition. I-ENVEX 12, Design new vane vertical axis wind turbine cavity shape (A. M. Ahmed Alwaise, A.Y. Qasim, R. Usumabatov and Z. M. Zain), April 2012.

10. Professional Memberships

- Member of Iraq Engineers Association.