

MOHAMMED OTHMAN

An-Najah National University, Industrial Engineering Department
P.O. Box 7, Nablus, Palestine
+970598062181, m_othman@najah.edu

PROFILE

- Solid background in mathematics, design, optimization, and continuous improvement
- Familiar with data analytics, systems engineering, quality engineering, and lean engineering
- Highly motivated with superior analytical, organizational, and communication skills
- Citizenship: Canadian/Palestinian

RESEARCH INTERESTS

- Operations management, operations research, human resources planning (in manufacturing and healthcare sectors), HR analytics, sustainability, quality management, supply chain management, project management, waste management, product development, and green logistics management.

CURRENT POSITION

- Assistant professor, Industrial Engineering Department, An- Najah National University, January 2013 – Present
- Head of the Industrial Engineering Department, An- Najah National University, Palestine July 2014 – Present
- Coordinator, Engineering Management Master Program, An- Najah National University, January 2013 – Present

EDUCATION

- **09/2008-10/2012 Doctor of Philosophy (P.h D.) in Industrial Engineering** Concordia University, Montreal, Canada, GPA=4.0, Thesis Goal: To develop a mathematical model that integrates worker' differences into workforce planning (Thesis Ranking: Excellent) **Advisor: Prof. Nadia Bhuiyan**
- **09/2005-12/2007 Master of Science in Industrial Engineering** Concordia University, Montreal, Canada, GPA=4.0, Thesis Goal: To develop a dynamic seating system for High-Tone Extensor Thrust Phenomenon using the Design Structure Matrix Method (healthcare sector), **Advisors: Prof. Nadia Bhuiyan (Concordia University) and Prof. Linghua Kong (Georgia Institute of Technology, USA).**
- **09/1997-06/2002 Bachelor of Science in Industrial Engineering** An-Najah National University, West Bank, Palestine **GPA=88.2% (the top of my class)**
- **09/1997-06/1997 General Secondary School Certificate (97.4%)** Al-Saidia School, Salalah, Sultanate of Oman

COMPUTER SKILLS

MS Office; Word, Excel, PowerPoint, Access, Visio (Expert)

MS Office; MS Project (Advanced)

Design Software; Solid Works, Layout Software (Advanced)

Statistical Packages; Smart PLS, Minitab, and SPSS (Advanced)

Programming Languages; LINGO, and LINDO (Advanced)

Simulation Software; MATLAB (Intermediate)

WORK EXPERIENCE

Research Fellow at CIRRELT

May 2019 – Present

University of Montréal, Montreal, QC, Canada

Research visitor and work remotely at the Interuniversity Research Centre on Enterprise Networks, Logistics, and Transportation (CIRRELT). Researching smart and green waste management collection problems.

Host Researcher: Prof. Michel Gendreau, Polytechnique Montreal, QC, Canada.

Head of Industrial Engineering Department

July 2014 – Present

An-Najah National University, Palestine

- Managing all department activities; such as department strategic planning, annual courses planning, annual budget planning, evaluation of department's staff performance, evaluation of the current staff and new applicants, supporting students' registration process every semester, leading the advisory council, advising undergraduate students, filling ABET reports.

Coordinator of Engineering Management Master Program

January 2013 – Present

An-Najah National University, Palestine

- Managing all program activities; such as annual courses planning, students' enrolment management, mentoring and advising graduate students, coordinating comprehensive exams, and all the administration of the program

Assistant Professor

January 2013 - Present

Department of Industrial Engineering, An-Najah University, Palestine

- Teaching various courses for graduate and undergraduate students; graduate courses such as Manufacturing and Factory Planning, Advanced Production Systems, Advance Operations Research, Supply Chain Management, Engineering Project Management, Product Design, and Operations Management. Undergraduate courses such as Product Design and Development, Operations Research 1 and 2, Production Planning and Inventory Control, Operations Management, Statistical Quality Control, Facilities Planning and Design, Project Management, Probability and Statistics, and Computational Applications Lab.
 - Developed the courses' curriculum
 - Uploaded course material onto an e-learning website; Moodle
 - Ensure that students understand all the concepts to achieve the learning outcomes for students
 - Participated in course assessment committees
 - Followed up with ABET center to ensure continuous improvement process
 - Worked as an invigilator for 12 years.

- Supervision: undergraduate and graduate students in areas of Green Logistics, Operations Research, Industry 4.0, Logistics Management, Human Resources Analytics, Project Management, Marketing, Quality Management, Product Design, Supply Chain Management, Information Security, Lean Construction, Feasibility Studies, Facilities Planning, Maintenance Management.

Teaching and Research Assistant

09/2005- 11/2012

Department of Mechanical and Industrial Engineering, Concordia University, QC

- Worked on production planning, human factors, and workforce planning research
- Worked on Product Design and Development research
- Contributed to teaching the following courses: project management, production management (delivered several tutorials), continuous improvement, manufacturing engineering (delivered several lectures), inventory control (delivered lab sessions), advanced quality control, lean enterprise (marked assignments), operation research, product design and development (marked assignments)
- Met individually with students to provide them with specialized assistance
- Offered tutorials, helped students in their projects, and evaluated their assignments, reports, and exams.
- Worked as an invigilator for 5 years.

Industrial Engineer

06/2011- 09/2011

Internship, Panaxion Company, Montreal, QC

- Designed and developed a new CNC Painting product using SolidWorks software

Lecturer

01/2008- 06/2008

Department of Industrial Engineering An-Najah University, Palestine

- Taught the following undergraduate courses: Quantitative methods, operations management, production planning, inventory control, and reliability and maintenance engineering

Teaching Assistant and Lab Administrator

09/2003- 08/2005

Department of Industrial Engineering, An-Najah University, Palestine

- Contributed toward teaching the following courses: Manufacturing Processes Lab, Computer Numerical Control, Operation Research, human factors and Engineering Safety Lab, and properties of material lab

Industrial Engineer

05/2002- 09/2002

Internship, GULF Company, Nablus, Palestine

- Worked in engineering consultations and industrial companies' development
- Developed maintenance system software using Visual Basic language

JOURNAL PUBLICATIONS

1. Zaid, A., Sleimi, M., Nazzal, M., **Othman, M.** (2021). The mediating roles of knowledge transfer and supply chain quality management capabilities on organizational performance. *Vine Journal of Information and Knowledge Management Systems*. (Scopus Indexed: JCI=0.86). <https://doi.org/10.1108/VJIKMS-12-2020-0226>

2. Shahbari L. M., ***Othman, M.**: (2021). Assessing green logistics practices in the Palestinian service logistics companies., *International Journal of Logistics Systems and Management*, 38(4), 506-526. (**Scopus Indexed**) <https://doi.org/10.1504/IJLSM.2021.114773> (***Corresponding author**)
3. Hejazi A., Bhuiyan, N., ***Othman, M.** (2020). Development of lean engineering performance measurement model. *Concurrent Engineering: Research and Applications*, 28(3), 198-209 (**Impact Factor: 2.12**), <https://doi.org/10.1177/1063293X20958916>. (***Corresponding author**)
4. Ramadan M., Salah, B., **Othman, M.**, Ayubali, A. A. (2020). Industry 4.0-based real-time scheduling and dispatching in lean manufacturing systems. *Sustainability*, 12(6), 2272, <https://doi.org/10.3390/su12062272> (**Impact Factor: 3.89**)
5. Mousa, S. K. and ***Othman, M.** (2020). The impact of green human resource management practices on sustainable performance in healthcare organizations: a conceptual framework, *Journal of Cleaner Production*, 243, p.118595, <https://doi.org/10.1016/j.jclepro.2019.118595> (**Impact Factor: 11.07**) (***Corresponding author**)
6. Abu Al Hla, Y., ***Othman, M.**, and Saleh, Y. (2019). Optimizing an eco-friendly vehicle routing problem model using regular and occasional drivers integrated with driver behavior control, *Journal of Cleaner Production*, 234, 984-1001, (**Impact Factor: 11.07**) <https://doi.org/10.1016/j.jclepro.2019.06.156> (***Corresponding author**)
7. Khatib, T., Shaar, A., Alhamad, F., Dweikat, H., Shunnar, R., **Othman, M.** (2018). Development of SolenX: A reliable and cost-effective solar aid box for underserved and rural areas in Palestine. *Energy Conversion and Management*, 174, 863-873, (**Impact Factor: 11.53**), <https://doi.org/10.1016/j.enconman.2018.08.066>
8. Asrawi, I., Saleh, Y., **Othman, M.** (2017). Integrating drivers' differences in optimizing green supply chain management at tactical and operational levels. *Computers & Industrial Engineering*, 112, 122-13, (**Impact Factor: 7.18**) <https://doi.org/10.1016/j.cie.2017.08.018>
9. ***Othman, M.**, Gouw, G.J., Bhuiyan, N. (2012). Workforce scheduling: a new model incorporating human factors. *Journal of Industrial Engineering and Management* 5(2): 259-284, (**Scopus Indexed**) <http://dx.doi.org/10.3926/jiem.451> (***Corresponding author**)
10. ***Othman, M.**, Bhuiyan, N., Gouw, G.J. (2012). Integrating workers' differences into workforce planning. *Computers & Industrial Engineering* 63(4): 1096-1106, (**Impact Factor: 7.18**), <http://doi.org/10.1016/j.cie.2012.06.015> (***Corresponding author**)
11. ***Othman, M.**, Bhuiyan, N., Gouw, G.J. (2012). Effects of human factors on workforce scheduling. *International Journal of Industrial and Manufacturing Engineering* (6)8: 1685-1696. (***Corresponding author**)
12. ***Othman, M.**, Bhuiyan, N., Gouw, G.J. (2011). A new approach to workforce planning. *International Journal of Computer and Systems Engineering* (5)4, 858-864. (***Corresponding author**)
13. ***Othman, M.**, Bhuiyan, N., and Kong, L. (2010). Developing a dynamic wheelchair using the design structure matrix method. *Concurrent Engineering Research and*

JOURNALS UNDER REVISION AND PREPARATION

1. Ramadan, M., **Othman, M.**, “Psychological antecedents of electric vehicle adoption in the West Bank” *Transportation Letters: the International Journal of Transportation Research*, 2022, (**submitted**)
2. Ghannam, L., **Othman, M.** “Development of a Human Resource Scheduling Model in the Healthcare Sector during in the Pandemic” *International Journal of Management Science and Engineering Management* 2022, (**submitted**).
3. Asaad, A. R., **Othman, M.**, Haj Mohammed, A. “A multi-objective technology-based approach to the problem of home health care routing considering service quality” 2022, (**under preparation**).
4. Haj Mohammed, A., **Othman, M.**, Gendreau, M., Assad, A. R. “Integrating Drivers Differences into Green Waste Collection Vehicle Routing Problem” under preparation, 2022, (**under preparation**).
5. Abu Tayyoun, R., **Othman, M.**, and Saleh, Y. “Factors influencing the individual and organizational adoption of human resource analytics practices” 2022, (**under preparation**).
6. Quddomi, D., Tamimi, M., Habash, M., Fitian, N., Arafat, T., **Othman, M.** “The impact of total quality management on corporate sustainability in the healthcare sector” 2022, (**under preparation**).
7. Hassis, S., **Othman, M.**, Saleh, Y. “Impact of total quality management on corporate sustainability through the mediating role of corporate social responsibility in the manufacturing sector” 2022, (**under preparation**).
8. Abu Dawwas, I., **Othman, M.**, Saleh, Y. “A sustainable closed-loop supply chain optimization model with efficient supplier selection and total quantity discount policies” 2022, (**under preparation**)
9. Zuhd, M., and **Othman, M.** Assessing green practices in the closed-loop supply chain in the West Bank”, 2022, (**under preparation**)
10. Bulad, A. **Othman, M.** “Assessing sustainable human resource management practices in the educational sector: An exploratory study”, 2022, (**under preparation**)
11. Atweh A., **Othman, M.**, “Improving healthcare service quality for Thalassemia patients” 2022 (**under preparation**)

CONFERENCE PUBLICATIONS

1. **Othman, M.**, Rashed A. Framework for Implementing Quality Management in West Bank Construction projects. *International Conference on Industrial Engineering and Operations Management Detroit 2016*, USA, September 23-25, 2016 (**Scopus Indexed**)
2. Staiti M., ***Othman, M.**, Jaaron A.: Assessment of Impact of Change Orders in Construction Engineering in the West Bank. *International Conference on Industrial Engineering and Operations Management*, Kuala Lumpur, Malaysia, March 2016 (**Scopus Indexed**). (*Corresponding author)
3. Shahbari, L., **Othman, M.**: Integrating Human Factors into Green Logistics. Accepted (23 October 2014) and presented at *International Conference on Industrial Engineering and Operations Management 2015*, Dubai, UAE, March 2015

4. Rashed A., ***Othman, M.**: Implementing Quality Management in Construction Projects. *International Conference on Industrial Engineering and Operations Management 2015*, Dubai, UAE, March 2015 (**Scopus Indexed**), (***Corresponding author**).
5. Assaf R., Haddad, T., Saleh, Y., **Othman, M.**, An Assessment of Maintenance Management Practices in Palestinian Industries. *International Conference on Industrial Engineering and Operations Management 2015*, Dubai, UAE, March 2015
6. **Othman, M.**, Bhuiyan, N., Gouw, G.J.: Effects of human factors on workforce scheduling. *International Conference on Manufacturing and Industrial Engineering 2012*, Paris, France, August 2012
7. **Othman, M.**, Bhuiyan, N. and Gouw, G.: A new approach to workforce planning. *International Conference on Mechanical, Aeronautical, and Manufacturing Engineering 2011*, Venice, Italy, 10 pages, April 2011
8. **Othman, M.**, Bhuiyan, N., and Kong, L. (2011). Application of the Design Structure Matrix to Wheelchair Development. *Proceedings of the 2011 International Conference on Industrial Engineering and Operation Management*, Kuala Lumpur, Malaysia

ARTICLE IN THE NEWS

Othman, M., Bhuiyan, N., Gouw, G.J, and Cléa Desjardins: Personalities influence workforce planning. Adapted from <http://www.concordia.ca/cunews/main/releases/2012/11/26/personalities-influence-workforce-planning.html>, Concordia University, Montreal, Quebec, Canada, December 2012

MASTER THESES SUPERVISED

Dr. Othman has supervised the following Master's theses in the engineering management program:

1. “Effect of Green Human Resource Management Practices on Environmental Sustainability Performance: The Mediating Roles of Management Support and Organizational Culture” by Raghad Al-alaweh, 2022 (**Completed**).
2. “Assessment of Social Responsibility Practices and Organizational Behavior of Corporate Citizenship on Green Human Resource Management Practices and Organizational Sustainability in the Health sector in Palestine” by Mahdi Ziyadeh, 2022 (**Completed**).
3. “The Reality of Costs of Quality in Medical Laboratories in the West Bank” by Ramzi AL-Sabarnah, 2022 (**Completed**).
4. “Development of a Human Resource Scheduling Model in the Healthcare Sector During the Pandemic” by Lana Ghannam, 2022 (**Completed**).
5. “Impact of Total Quality Management on Corporate Sustainability Through the Mediating Role of Corporate Social Responsibility in the Manufacturing Sector” by Samah Hassis, 2021 (**Completed**).
6. “Establishing a Design Space for an Existing Generic Tablet Dosage Form for Efficient Manufacturing and Quality Assurance at Jepharm in Palestine” by Saed Bader, 2021 (**Completed**).
7. “Integrating Drivers Differences into Green Waste Collection Vehicle Routing Problem” by Ahmad Haj Mohammad, 2021 (**Completed**).
8. “Smart Home Healthcare Vehicle Routing Problem Considering Patient’s Condition and Quality of Service” by Ahmed R. Asaad, 2021 (**Completed**).

9. "Assessing Entrepreneurship Practices at Palestinian Higher Education Institutions" by Shireen Tabib, 2021, **(Completed)**
10. "Purchasing Intention and Adoption of Electric Vehicles and their Impact on Sustainability in the West Bank" by Manar Ramadan, 2021 **(completed)**
11. "Factors Affecting Sustainability in Construction Project Management in the West Bank" –by Moutaz Hroub, 2020 **(completed)**
12. "A Sustainable Closed-loop Supply Chain Optimization Model with Efficient Supplier Selection and Total Quantity Discount Policies" by Islam Abu Dawwas, 2020 **(completed)**
13. "Investigating the Critical Success Factors of E-learning in Public Secondary Schools in the West Bank from Different Perspectives" –by Iyad Hamdan, 2020 **(completed)**
14. "Assessing the Impact of Green Human Resource Management Practices on Sustainable Performance in Palestinian Healthcare Organizations: An Empirical Study" by Sharifa Mousa, 2019 **(completed)**
15. "Factors Influencing Worker Productivity in Construction Projects: Perspectives of stakeholders in the West Bank" by Noor M. AL-Talbeeshee, 2019 **(completed)**
16. "Factors Influencing Employees on Compliance with Information Security Policies in Palestine" by Bara Mohammad Abu Jafar, 2019 **(completed)**
17. "Integrating the Differences among Drivers in Determining the Optimal Path for Green Vehicle Routing" by Yasmin Abu Al Hla, 2019 **(completed)**
18. "Human Resources Analytics' Acceptance and Adoption in Large Palestinian Enterprises" 2018, by Rana Abu-Tayyoun **(completed)**
19. "Assessing Sustainable Human Resource Management Practices in the Educational Sector: An Exploratory Study" 2018, by Aziza Boulad, **(completed)**
20. "Building a Strategic Business Model for Energy Sector in Palestine (Exploratory Research" 2018, by Nour Mansour **(completed)**
21. "Assessing Green Practices in the Closed-Loop Supply Chain in the West Bank" by Maisa' Zuhd, 2018 **(completed)**
22. "Development of an Advertising Media Optimization Model Based on the Product Life Cycle Concept" by Shatha Asad, 2018 **(completed)**
23. "Improvement of Available Medical Services Quality for Thalassemia Patients in Palestine" by Aysha Atweh, 2016 **(completed)**
24. "Towards Enhancing Lean Thinking in Construction Industry" by Wathiq Obaid, 2016 **(completed)**
25. "Optimization Models in Green Supply Chain Management" by Issa Asrawi, 2016 **(completed)**
26. "Improving the Courts' Performance in Palestine Concerning the Time Spent until the Case Disposition" By Darweesh Darweesh, 2016 **(completed).**
27. "Assessing the Impact of Change Orders in Construction Engineering Sector in the West Bank" by Mojahed Staiti, 2015 **(completed).**
28. "Integrating Human Factors into Green Logistics" by Lana Shahbari, 2015 **(completed)**
29. "Framework for Implementing Quality Management in West Bank Construction Projects" by Ahmad Rashed, 2014 **(completed)**
30. "Assessment of Delay Causes in Palestinian Construction Projects", by Nihal Jawwad Essa Al-Batsh, 2014 **(completed)**

Dr. Othman has reviewed the following master' theses in the areas of Engineering Management and Quality Management at An-Najah University and Arab American University:

1. "The Impact of Telework on Employee Performance during COVID-19 Crisis: The Case of IT Companies in the West Bank" 2022, by Heba Asmar.
2. "Investigating Firms' Logistics Performance in the Palestinian Occupied Territories during the COVID-19 Pandemic" 2022, by Saja Khalili.
3. "Assessing the Service Quality of Bahri Restaurant Using SERVQUAL and Kano Models" 2022, by Dima Mahagne.
4. "The Effect of Green Human Resource Management Practices on Sustainable Performance with Green Innovation as Mediating Variable: An Empirical Study" 2022, by Baha' Al-Ja'ar
5. "Determining the Readiness of The Palestinian ICT Sector for Digital Transformation" 2022, by Ayman Abu Mansour
6. "Assessing the Impact of Total Quality Management on Innovation in Palestinian Food Industries" 2021, by Rania Omar (External Examiner).
2. "The Impact of Innovation Marketing on Customer Satisfaction in Palestinian Mobile Operators" 2021, by Israa Ab Rajab
3. "Quality Assessment of Bulk Water Provision Service Using SERVQUAL Model in Palestinian Water Authority - West Bank Water Department" 2020, by Shireen Ammar. (External examiner)
4. "Using the SERVQUAL to Assess Service Quality of Optical Centers in the West Bank-Palestine" 2020, by Ruba Al-Khalil (external examiner)
5. "Quality Assessment of Non-Governmental Organizations Operating in Palestine using SERVQUAL Model" 2020, by Shireen Jayousi. (External examiner)
6. "Identifying the Main Reasons of Disputes in Construction Projects in Palestine (West Bank)" 2020, by Saeed Odeh.
7. "Strategic Planning and Management for Sustainability: An Exploratory Study of the Palestinian Manufacturing Organizations", 2019, by Yousef Ayman Thaher.
8. "Developing Non-Industrial Buildings Energy Performance Indicators in Nablus city", 2019, by Razan Abed Assaf
9. "Assessing Strategic Performance of Palestinian Stone and Marble Industry", 2019, by Walid Khaled Dwaik
10. "Applying Virtualized Evolved Packet Core in Palestinian Mobile Operators", 2019, by Khawla Daraghme
11. "Assessment of Monitoring and Evaluation Process for Governmental Construction Projects in the West Bank", 2018, by Abed Al Rahman Alayasi.
12. "Assessing Service Quality and Customer Satisfaction Using SERVQUAL Model: An Empirical Study of Palestinian Conventional Banks", 2018, by Jamal Okal.
13. "Integrating Corporate Social Responsibility and Sustainability: The Case of Palestinian Food Manufacturing Sector", 2018, by Mazen Mallah.
14. "Developing a Framework for Social Entrepreneurship in Palestine", 2018 by Hoda Barakat.
15. "Risk Management and Management of the Agricultural Sector in Palestine", 2017, by Jumana Jaghoub.
16. "Building a Framework for Material Supply Management for Construction Projects in the West Bank", 2017, by Shomoo Badawi.
17. "Factors Affecting Buyers' Trust in Electronic Commerce in Palestine", 2017 by Rania Abdullah.

18. "Identification of Challenges Facing Public Construction Industry in Palestine: Framework for Implementation", 2016 by Hanan Taha
19. "Assessing Green Human Resources Management Practices in West Bank: An Exploratory Study", 2016, by Hiba Masri
20. "Effect of Snow Fall on Building Practices in the West Bank", by Nour Samaro, 2016
21. "Water Tariffs between social Justice and Economic Efficiency", by Anwar Sha3er, 2016
22. "Outsourcing Risk Management and Success Factors in Palestinian ICT Companies", 2016, by Wejdan Shaheen.
23. "Employing a Descriptive Model to Assess E-learning Readiness of Palestinian Public Secondary Schools", 2016, by Rami Issa.
24. "Cloud Computing in the Palestinian Public Sector, Opportunities and Challenges" by Shaher Jabi, 2015
25. "Assessment of the Palestinian Stone & Marble Industry in Terms of Quality Management & Safety Management Systems" by Nour Ahmad Hussain, 2014
26. "Change Management in Telecom Sector in Palestine" by Maryam Bishtawi, 2014
27. "Effect of Shift Work Paradigms on Job Performance of Nurses in the Palestinian Health Sector" by Majd Abu Amshah, 2014
28. "The development of Risk Management Model for Palestinian Mobile Communication companies, (Jawwal & Wataniya case study)" by Ahmad Ma'zouz Mohammad Al-Haj Ali, 2014.

JOURNAL AND CONFERENCE REVIEWS:

Acted as a referee for several journals, here are some selected journals:

- 1) Expert systems with applications (April 2022).
- 2) International Journal of Business Excellence (January 2022).
- 3) Environment, Development, and Sustainability (November 2021).
- 4) Journal of Management & Organization (August 2021)
- 5) Journal of Cleaner Production (May 2020).
- 6) International Journal of Services and Operations Management (April 2020).
- 7) The Journal of the Arab American University (November 2018).
- 8) International Journal of Industrial Engineering Theory Applications and Practice (December 2017)
- 9) International Journal of Production Economics (May 2013, October 2013)
- 10) Journal of Industrial Engineering and Management (December 2012)
- 11) Concurrent Engineering Research and Applications (December 2010)
- 12) International Conference on Industrial Engineering and Operation Management (October 2015)

CONFERENCE ORGANIZATION

1. **Chairman** of the *International Conference on Industrial Engineering and Operation Management*, Kuala Lumpur, Malaysia, January 2011.

SELECTED ACADEMIC PROJECTS

- Writing an accreditation proposal for a Master's degree in Operations Management and Control (Committee Chair, 2022)

- Writing an accreditation proposal for a Bachelor's degree in Business Intelligence (Committee Chair, 2021)
- Writing an accreditation proposal for a Master's degree in Business Intelligence and Data Analytics (Committee Member, 2021)
- Designed the Quality Management Course Curriculum for the Master of Sustainability Engineering in Production / KTH university -Sweden June 2013
- **Designed a Multi-Function Walking Aid** (Acted as a Project Manager and Team Leader of 6 engineers) 4 months of the project
 - Identified the customer requirements using quality function deployment and transferred them into engineering specifications.
 - Designed the product based on different concepts and performed stress analysis using Solidworks software.
 - Developed a financial plan and production schedule for the proposed product.
- **General Management Information System for local Companies (Software included)** (Acted as a Project Manager and Team Leader of 3 engineers), 10 months project
 - Helped many factories in solving many problems in the following areas: Production Management, Inventory control, Inventory Accounting, and Maintenance Management.
 - Analyzed current production, inventory, and management systems existing in different local Palestinian factories
 - Built user-friendly software using Microsoft Access 2000 and Visual Basic language.

PROFESSIONAL TRAINING CERTIFICATES

- Computer Aided Technology (CNC&CAM)** 02/2005-03/2005
Gongju, South Korea
Solid Works and Mastercam software training, windows 2000 server, and ASP web programming
- Analytical Trouble Shooting (ATS)** 07/2001-08/2001
GULF Company, West Bank, Palestine
Solving shutdowns and faults in any system using maintenance techniques

AWARDS AND ACHIEVEMENTS

The highest H-Index in the Industrial Eng. department, Deanship of Scientific Research, 2022.
The Palestinian Quebec Science Bridge Fellowship Award, Montreal, Canada, Summer 2022
An-Najah University Award for Scientific Research, Deanship of Scientific Research, 2020.
An-Najah University Award for Scientific Research, Deanship of Scientific Research, 2019.
The Palestinian Quebec Science Bridge Fellowship Award, Montreal, Canada, Summer 2019
Staff mobility award to University of Pamplona, Navarra, Spain April 2019
An-Najah University Award for Scientific Research, Deanship of Scientific Research, 2018.
Member of Golden Key International Honours Society, Canada since 2007
Faculty of Graduate Studies, Concordia Accelerator Award Concordia University 2012
Faculty of Graduate Studies, Graduate Travel Award Concordia University 2011
Teaching fellowship for one semester 2010
Hani Qaddumi Scholarship HQSF, Amman, Jordan, 2005-2007
KOICA International Award, Gongju, South Korea, 2005

PROFESSIONAL AFFILIATIONS

KOICA Alumni Association in Palestine (KAAP)
Institute of Industrial Engineers (IIE)
Society for Engineering & Management Systems (SEMS)

REFERENCES

1. Nadia Bhuiyan, Full Professor, Department of Mechanical and Industrial Engineering, Concordia University, Montreal, Quebec, Canada, H3G 1M8
Tel: (514) 848-2424 extension 3101; Email: nadia.bhuiyan@concordia.ca
2. Michel Gendreau, Full Professor, Department of Mathematical and Industrial Engineering, Polytechnique Montreal, QC, Canada.H3G 1M8
Tel: (514) 3404711 extension 4513; Email: michel.gendreau@polymtl.ca
3. Ayham Jaaron, Senior Lecturer, Leicester Castle Business School, De Montfort University, The Gateway, Leicester, LE1 9BH, Email: ayham.jaaron@dmu.ac.uk.

- Webpage ([An-Najah Staff](#))
- [ORCID](#)
- Google Scholar:
<https://scholar.google.ca/citations?hl=en&user=GxPvACcAAAAJ>
- Research gate
https://www.researchgate.net/profile/Mohammed_Othman4
- Scopus
<https://www.scopus.com/authid/detail.uri?authorId=56684178500>