

Curriculum Vitae For Reza Sheikh



Reza Sheikh, Ph.D.

- Professor of Production and Operation Management (POM)
- Faculty Of Industrial Engineering and Management, Shahrood University Of technology, Shahrood, Iran

Contact And Personal Information

Date Of Birth and Place: 10, May, 1973, Iran.

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Education

P.H,D, Tehran University, 2006, Tehran ,Iran

- **Dessertation: "Mathematical Model For Scheduling Of Lean Production System Designed Using Axiomatic Design Technique"**

M.Sc. Tarbiat Modares University, 1998, Tehran , Iran

- Thesis: :"Fuzzy Logic Applications In Network Analysis And Compared With The Classical Methods"

B.Sc. Shahid Beheshti University , 1996, Tehran , Iran

Appointments And Academic Positions:

- Academic Member And Instructor For Industrial Management, Faculty Of Management And Industrial Engineering, Shahrood University Of Technology, Shahrood, Iran. 1999-Present
- Member Of Productivity Commission Shahrood University Of Technology Shahrood, Iran 2006-Present
- Member Of Monitoring And Evaluation Shahrood University Of Technology Shahrood, Iran 2006-Present
- Director Of Monitoring And Evaluation -Shahrood University Of Technology, Shahrood, Iran,1999-2000
- Incubator Centers Manager- Science And Technology Park In Semnan Province 2006-2009
- Vice- President Of Semnan Science & Technology Park, Semnan, Iran, 2006-2009
- Dean, Faculty Of Management And Industrial Engineering, Shahrood University Of Technology, Shahrood, Iran, 2007-2010
- Vice President Of Shahrood University Of Technology, Shahrood, Iran, -2010-2012
- Dean, Faculty Of Management And Industrial Engineering, Shahrood University Of Technology, Shahrood, Iran, 2014-2018
- Finance and Administration Vice President Of Shahrood University OfTechnology, Shahrood, Iran 2019-2022

1. Technical Areas of Interest

- Production and Operation Management
- Operation Research and Modeling (MCDM And MODM)
- Axiomatic Design
- Statistical Analysis

2. Courses Taught:

- Production And Operation Management
- Decision-making for managers
- Operation Research
- Statistical Method
- Factory Management
- Quality Management
- Business Plan

Honors And Awards:

- Distinguished Professor of The Year In Research, Faculty Of Industrial Engineering And Management, Shahrood University Of Technology, Shahrood, Iran ,2015
- Distinguished Professor of the Year in Education, Faculty of Industrial Engineering and Management, Shahrood University of Technology. (2010, 2011, 2013, 2015, 2019-2024)

Publications

Journal Articles

[108] M Rahim, M Khodaparast, R Sheikh – “Evaluation and Assessment of the Implementation Level of Industry 4.0 in Product Lifetime Extension Based on the OPLO-POCOD Method” *jims* 23 (77), 1-44. (2025) -(In Persian)

[107] D Mohamadi Zanjirani, R Sheikh – “Evaluating the Performance of Large Suppliers Using Opportunity Losses-Based Polar Coordinate Distance (OPLO-POCOD) Technique” *Research in Production and Operations Management*, 1–23 – 2025-(In Persian)

[106] R Sheikh, S Senfi – “Evaluation of Sustainable Performance of Industry 4.0 Technologies Using a Novel Fuzzy OPLO-POCOD Method” *Applied Computational Intelligence and Soft Computing*, 1–27 – 2025

[105] R Sheikh, MR Tabandeh, F Abolfathi, SR Fatemi Tabatabaei, S Shakerian – “The Impact of Moderate-Intensity Interval Training on the NLR Family Pyrin Domain-Containing Protein-3 Inflamasome Pathway in the Liver Tissue of Male Rats with Type 2 Diabetes” *Sport Sciences for Health*, 1–9 – 2025

[104] R Sheikh, S Senfi – “Evaluation and classification of the quality of life using a new technique: Opportunity Losses-Based Polar Coordinate Distance Sort (OPLO-POCOD-SORT)” *Total Quality Management & Business Excellence*, 36 (15-16), 1499-1528 – 2025

[103] M Vakili, A Hasani, R Sheikh – “Scenario Planning for Health Supply Chain Integration with Intuitive Fuzzy Logic Approach” *Journal of Industrial Management Perspective*, 1–18 – 2025

[102] R Sheikh, S Senfi – “A Novel Opportunity Losses-Based Polar Coordinate Distance (OPLO-POCOD) Approach to Multiple Criteria Decision-Making” *Journal of Mathematics*, 2024(1),

[101] S Senfi, SM Mirlohi, R Sheikh – “Evaluation and Prioritization of Mutual Funds Using Intuitionistic Fuzzy Analytic Hierarchy Process” *International Journal of the Analytic Hierarchy Process*, 16(3), 1–17 – 2024

[100] SS Reza Sheikh – “Evaluation and Ranking of Stock Funds Using Opportunity Losses-Based Polar Coordinate Distance (OPLO-POCOD) Technique” *Industrial Management Perspective*, 14(3), 117–140 – 2024

[99] M Mashaykhi, SMH Hosseini, R Sheikh – “Analysis of Factors Affecting Customers' Willingness to

Use Electronic Banking Technology Using the DEMATEL Approach (Case Study: Shahr Bank)” Roshd-e-Fanavari, 20(80), 79–87 – 2024-(In Persian)

[98] F Maboudi, R Sheikh, SS Sana – “The Selection of Mobile Phones Based on the Dimensions of Qualities by Word-of-Mouth Approach” International Journal of System Assurance Engineering and Management, 1–13 – 2024

[97] Soheila Senfi, R Sheikh – “A Portfolio Selection Using the Intuitionistic Fuzzy Analytic Hierarchy Process: A Case Study of the Tehran Stock Exchange” Green Finance, 6(2), 219–248 – 2024

[96] G Haseli, R Sheikh, SJ Ghoushchi, M Hajiaghaei-Keshteli, S Moslem – “An Extension of the Best–Worst Method Based on Spherical Fuzzy Sets for Multi-Criteria Decision-Making” Granular Computing, 9(2), 40 – 2024

[95] R Sheikh, S Senfi – “Rapid Assessment of Customers and Their Classification with the Opportunity Losses-Based Polar Coordinate Distance Sort (OPLO-POCOD SORT) and Net Promoter Score (NPS)” Journal of Business Management Perspective, 22(55), 82–112 – 2023-(In Persian)

[94] S Gholami, E Zarafshan, R Sheikh, SS Sana – “Using Deep Learning to Enhance Business Intelligence in Organizational Management” Data Science in Finance and Economics, 3, 337–353 – 2023

[93] S Senfi, R Sheikh, B Torkashvand – “A Case Study of Evaluation and Prioritization of Tehran’s Public Transportation System through Intuitionistic Fuzzy Analytic Hierarchy Process and SERVQUAL Model” Journal of Industrial Management, – 2023

[92] E Forghani, R Sheikh, SS Sana – “Extraction of Rules Related to Marketing Mix on Customers’ Buying Behavior Using Rough Set Theory and Fuzzy 2-Tuple Approach” International Journal of Management Science and Engineering Management, 18(1), 10 – 2023

[91] R Sheikh, S Senfi, F Sarikhani – “Supplier Evaluation and Classifying for Outsourcing Based on PROMSORT Technique” Journal of Business Management Perspective, 21(52), 39–62 – 2023-(In Persian)

[90] A Hasani, R Sheikh – “Robust Goal Programming Approach for Healthcare Network Management for Perishable Products under Disruption” Applied Mathematical Modelling, 117, 399–416 – 2023

[89] F Maboudi, R Sheikh – “Evaluation and Selection of Products Based on the Quality Dimensions by Word of Mouth (Case Study: Brands of the Mobile Phone)” Preprints, 1–13 – 2023

[88] G Haseli, R Sheikh – “Base Criterion Method (BCM)” Multiple Criteria Decision Making: Techniques, Analysis and Applications, 17–38 – 2022

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[85] M Zarifi, H Bahrololoum, R Andam, R Sheikh – “Designing and Assessing the Human Resources Performance Evaluation System of the Ministry of Sports and Youth According to Axioms-Based Technique” Sport Management Studies, 14(72), 207–238 – 2022

[84] F Akhyani, A Komeili Birjandi, R Sheikh, SS Sana – “New Approach Based on Proximity/Remoteness Measurement for Customer Classification” Electronic Commerce Research, 22(2), 267–298 – 2022

[83] A Moheimani, R Sheikh, SMH Hosseini, SS Sana – “Assessing the Preparedness of Hospitals Facing Disasters Using the Rough Set Theory: Guidelines for More Preparedness to Cope with COVID-19” International Journal of Systems Science: Operations & Logistics, 9(3), 339–354 – 2022

[82] AK Birjandi, S Dehmolaee, R Sheikh, SS Sana – “Analysis and Classification of Companies on Tehran Stock Exchange with Incomplete Information” RAIRO–Operations Research, 55, S2709–S2726 – 2021

[81] ME Souris, R Sheikh, F Sajadian, SS Sana – “Product Acceptance: Service Preference Based on E-Service Quality Using G-Rough Set Theory” International Journal of Industrial and Systems Engineering, 37(4), 527–543 – 2021

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[79] E Zarafshan, S Gholami, R Sheikh, SS Sana – “Resource Planning System for Organisations – A Soft Computing Approach” International Journal of Services, Economics and Management, 12(3), 272–293 – 2021

[78] M Kamalkhani, R Sheikh, SS Sana – “Green Performance Evaluation and Ranking Hotels Using Fuzzy PROMETHEE” International Journal of Logistics Systems and Management, 40(4), 561–583 – 2021

[77] A Moheimani, R Sheikh, SMH Hosseini, SS Sana – “Assessing the Agility of Hospitals in Disaster

Management: Application of Interval Type-2 Fuzzy Flowsort Inference System” Soft Computing, 25(5), 3955–3974 – 2021

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[66] Mortezavi M, Sheikh R. “Optimization Of Urban Budget Allocation Based On Spatial Justice Indicators (Case: Mashhad Metropolis)”. Journal Of Urban Economics And Management; 7 (26) :29-44-2019-(In Persian)

[65] Lotfi .E. Sheikh .R; Aibaghi.S-“ The Process Of Managing Leading Change In A Complicated Public Environment” Journal Of Management Studies In Development & Evaluation 28 (9100602), 65-85 - 2019-(In Persian)

[64] Ebrahimi E, Sheikh .R-“ Improving The Occupational Health And Work Life Quality Of Employees In The Oil Platforms With The Analysis Of Workaholism Effects ”. Human Resource Management In Oil Industry-10 (38) :105-128- 2019-(In Persian)

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[62] Mizani.N, Sheikh.R, .Gholami.A, Sankar S.S-“ Attracting And Retaining Customers By Axiomatic Design And Incomplete Rough-Set Theory” International Journal Of Applied And Computational Mathematics - 2018

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[56] Gholami.A, Sheikh.R, Mizani.N, Sana .S.S-“ ABC Analysis Of The Customers Using Axiomatic Design And Incomplete Rough Set” RAIRO-OPERATIONS RESEARCH - 2018

[55] Sheikh .R, Shambayati .H .Vakili.G –“ Netnography Based On Incomplete Information: A New Approach In Analysis Of Internet Users' Comments ”.Journal Of Information Technology Management 9

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[45] Takami .MA, Sheikh .R, Sana .SS “Product Portfolio Optimisation Using Teaching–Learning-Based Optimisation Algorithm: A New Approach In Supply Chain Management” International Journal Of Systems Science: Operations & Logistics 3 (4), 236-246 -2016

[44] Sheikh .R,Hajjar,A, Takami, M ; “Evaluating Stock Liquidity With Its Quantitative And Cryptic

Qualitative Measures By Means Of MULTIMOORA Fuzzy Group Decision Making" The Journal Of Knowledge Investing Volume 5, Issue 17, Page 1-276- Winter 2016-(In Persian)

[43] Sheikh .R ; Ameri Rad Gheysari .B "Prioritization & Selection Of Projects Based On Linguistic Financial Criteria By Fuzzy Moora & Developed Weighted Entropy; Industrial Engineering And Management -2016- (In Persian)

[42] Sheikh .R; Mohammadi.E "Providing A Framework For Evaluating Product Design Based On Behavior Patterns In Terms Of Uncertainty" Journal Of Business Management; Page 1-243, Spring 2016- (In Persian)

[41] Mohammadi .E;Sheikh .R. "Providing A Framework For Evaluating Product Design Based On Behavior Patterns In Terms Of Uncertainty"Journal Of Business Management ; Volume 7, Issue 1, Volume 8, Issue 1, Pages 137-158-2016-(In Persian)

[40] Takami, M; Sheikh .R; Sana, Shib "Product Portfolio Optimization Using Teaching-Learning Based Optimization Algorithm-A New Approach In Supply Chain Management" International Journal Of Systems Science; August 31, 2015

[39] Sheikh .R, Abbasi. M, Abbasi Talaei .A. Tahmasbi. M; "Dynamic Axiomatic Design (DAD): Applying The Independence Axiom In The Design Of Social Systems"Procedia Cirp 34, 125-130-2015

[38] Shafae Tonekaboni M. S.; Sheikh .R; Jalali .M. M "Survey On The Priority Factors Influencing IT Outsourcing In The Platform Of Cloud Computing In Semnan Province Universities By Fuzzy DEMATEL Technique" Journal Of Information Technology Management ,Volume 7, Issue 2 (Summer), Summer 2015, Page 217-472-(In Persian)

[37] Sheikh .R; Shahraki Moghadam. I; Mohammadi.E "Customers' Mental Image Using Net Promoter Score From Airlines Companies; "Journal Of Business Administration Researches; Volume 7, Issue 13, , Page 1-147, Spring And Summer 2015-(In Persian)

[36] Sheikh .R;Shambayati .H "Locating Facilities In Uncertainty Conditions Base On D Number Theory" Journal Of Industrial Management Perspective,Volum 20-2015-(In Persian)

[35] Takami, M; Sheikh .R " Project Portfolio Optimization Considering Project Interactions Using Teaching-Learning Optimization Alghorithm; Journal Of Industrial Management";Article 6, Volume 7, Issue 3, , Pages 511-532, Autumn 2015-(In Persian)

[34] Shafae Tonekaboni.Ma; Sheikh.R;Jalali.M.M- " Survey On The Priority Factors Influencing It Outsourcing In The Platform Of Cloud Computing In Semnan Province Universities By Fuzzy Dematel

Technique"Journal Of Information Technology Management 7 (2), 325-344-2015-(In Persian)

[33] Nazemi,Neda-Sheikh.R –“ Classification And Assessment Of The Status Of The Quality Of Products (Services) According To Selectability And Rejectability Measures"Journal Of Quality And Engineering Management-2015-(In Persian)

[32] Mohammadi .E;Sheikh .R "Customer Classification And Prioritization Using Rough Set Theory And D Number' (Case Study: Sony Ericsson Mobile Phones);Journal Of Business Management ; Volume 7, Issue 1, Pages 163-185-2015-(In Persian)

[31] Mohammadi. E; Sheikh .R "Regulation And Prediction Of Customers' Behavior According To Rough Set Theory And Selectability/Rejectability Measures (Case Study: Sony Ericsson Mobile Phone)" " Journal Of Business Management; Volume 7, Issue 1, , Page 1-251;Spring 2015-(In Persian)

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Supervised Theses

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[103] Soheila Senfi (2023), "Evaluation and Prioritization of Mutual Funds Using Intuitionistic Fuzzy Analytic Hierarchy Process", M.Sc. Thesis, Shahrood University of Technology, Sayyed Mojtaba Mirlohi [Supervisor], Reza Sheikh [Supervisor].

[102] Farzad Zavari (2023), "Formation and evaluation of stock portfolio with M-polar fuzzy PROMETHEE approach (Case study: Companies listed on the Tehran Stock Exchange)", M.Sc. Thesis, Shahrood University of Technology, Reza Sheikh [Supervisor], Abdolhamid Abdolbaghi Ataabadi [Advisor].

[101] Farya Maboudi (2023), "Factors affecting export of Iran's factory industries with emphasis on the type of ownership", M.Sc. Thesis, Shahrood University of Technology, Reza Sheikh [Supervisor], Abdolhamid Abdolbaghi Ataabadi [Advisor].

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[96] Malihe Rajaei (2022), "Analysis and evaluation of chain store brand on customer behavior based on verbal and non-verbal multi-criteria decision-making approach (Case study: Reputable grocery chain store brand)", M.Sc. Thesis, Shahrood University of Technology, Reza Sheikh [Supervisor].

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[54] Ebrahim Goraba (2016), "Evaluation And Ranking Of Successful Entrepreneurs Using Multi Criteria Decision Making Technique(Fuzzy ARAS Method)", M.Sc. Thesis, Shahrood University Of Technology, Supervisor.

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[16] Samira Hassanzadeh (2014), "Designing a model for evaluating the performance of research and development units in knowledge-based companies using the fuzzy DEMATEL technique", M.Sc. Thesis, Shahrood University Of Technology, Supervisor.

[15] Maryam Khodadadi (2014), "Identifying and ranking the factors affecting customer loyalty in the banking industry using the VIKOR technique", M.Sc. Thesis, Shahrood University Of Technology, Supervisor.

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[8] Mahdi Mohammadi (2014), "Evaluation and ranking of contractors in construction projects using the fuzzy ELECTRE technique", M.Sc. Thesis, Shahrood University Of Technology, Supervisor.

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1. **Sheikh, R.** (2011). Business Plan. Azerakhsh Publication. ISBN: 978-600-5881-06-6.
2. **Sheikh, R.**, Souri, M.E., Sajadian, F., Ghostin-Rodi, M. (2017). Rough Set Theory (Fundamentals, Applications, and Software). Shahrood University of Technology Publication. ISBN: 978-600-7153-54-3.
3. **Haseli, G., Sheikh, R.** (2022). Base-Criterion Method (BCM). In: Multiple Criteria Decision Making: Techniques, Analysis and Applications (pp. 17-38). Springer.

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5. **Sheikh, R.** Modern Methods in Multi-Criteria Decision Making. Shahrood University of Technology Publication. ISBN: 978-600-153-994-7.

Research Projects

1. **Investigation of Factors Affecting Accidents on Rural Roads (Case Study: Semnan Province).**
Role: Principal Investigator
Team: Reza Sheikh, Aliakbar Hasani, Homa Khodadadi
2. **The Indisputable Necessity of Developing a Management System in Iran.**
Role: Principal Investigator
Team: Reza Sheikh
3. **Service Quality Design Based on Axiomatic Design Technique.**
Role: Principal Investigator
Team: Reza Sheikh (PI), vakili gilaleh (Co-Investigator)
4. **Study on the Impact of Implementing a Quality Management System on Improving the Performance Evaluation of Faculty Members at Shahrood University of Technology.**
Role: Co-Investigator
Team: Abdolhossein Rajabi (Principal Investigator), Reza Sheikh (Co-Investigator)
5. **The Position of the Ethics Element in University Educational Courses.**
Contract No.: 515030
Role: Co-Investigator
Team: Mohammad Ali Molaei (Principal Investigator), Reza Sheikh (Co-Investigator)

6. **Identify Factors and Quality of Life Ranking of Provinces Based on Multiple Criteria Techniques.**

Role: Principal Investigator