

MALIK BADER ALAZZAM

Personal Information

Name: **Malik Bader Alazzam**

Place and date of birth: **Jordan -Irbid -1981**

Nationality: **Jordan**

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Education

Knowledge Field 1 : **Business Information Technology (BIT)** accreditation and quality assurance commission for higher education institutions 2018

Knowledge Field 2 : **Management information system (MIS)** accreditation and quality assurance commission for higher education institutions 2018

PhD : University technical Malaysia Melaka (UTeM) Malaysia 2016
Information & Communication Technology- **Information Technology-software engineering**

Master : **Management information system (MIS)**- - Arab Financial and Banking Sciences-Jordan -2007

B.Sc. : finance - Al alBayt University

Academic Experience

- **Assistant Professor** Faculty of Information Technology ,Jadara university to present
- Research team member Amman Arab university 2021 till 2022
- **Assistant Professor** Faculty of Information Technology, Ajloun National University, Ajloun, Jordan. 2017 -2018 <http://www.anu.edu.jo/index.php/academic-software-engineer/>
- **Teaching assistantship**, 2015-2016, University of UTeM
- **Lecturer at Najran University** - community College -Department of Computer-Saudi Arabia-year 2009 -2013

- **Academic Accreditation Coordinator** in COE Community College -Najran University, Saudi Arabia. <http://ncc.nu.edu.sa/accreditation> 2011-2013
- **Lecturer at Toledo College** from 2008 to 2009, Jordan.

Honors and Awards

- PhD scholarship, 2014-2016, University of UTeM
- Teaching assistantship, 2015-2016, University of UTeM
- Editor in chief in many journals and guest editor in Scopus and SCI index

Editor In Chief and Lead Guest Editor In Scopus And SCI Index Journals

1. https://techscience.com/cmc/special_detail/bdsc ISI: (SCI) Q2, Impact Factor: 3.772, Scopus: Q1
2. <https://www.hindawi.com/journals/jhe/si/915786/> ISI: (SCI), ISI: Q2, Impact Factor: 3.822, Scopus: Q2
3. https://www.mdpi.com/journal/electronics/special_issues/VLSI_IoT SCI: Science Citation Index Expanded, ISI: Q3, Scopus: Q2, Impact Factor: 2.690
4. <https://www.hindawi.com/journals/jhe/si/982649/> ISI: (SCI), ISI: Q2, Impact Factor: 3.822, Scopus: Q2
5. https://www.techscience.com/energy/special_detail/haimlt_renewable-energy-systems ISI: Q3, Scopus: Q3, SJR: Q4
6. <https://www.tandfonline.com/journals/tjen20/collections/AdaptiveNanotechnologyforEnvironmentalSustainability> ISI : SCIE(Q3), Scopus : Q2, SJR : Q2, Impact Factor : 2.024
7. https://www.iospress.com/sites/default/files/media/files/2023-03/XST_Special-issue_Feb2023.pdf WOS, ISI : Science Citation Index Expanded SCIE(Q2), Scopus, SJR : Q2, Impact Factor : 3
8. <https://publishing.aip.org/publications/journals/special-topics/adv/medical-applications-of-nanoscience-and-nanotechnology/> WOS, ISI : Science Citation Index Expanded SCIE(Q3), Scopus : Q2, SJR : Q3, Impact Factor : 1.689
9. https://www.imrpess.com/journal/RCM/special_issues/MLT_in_ABPM
10. Special Issue: Technology and Human Rights: Opportunities and Challenges in the Digital Age , <https://www.tandfonline.com/toc/fjhr20/current>

Academic Excellence

- Completion of the PhD degree less than two years and 7 months (Malaysia)
- Completion of the master degree in one year only (Jordan)

Certificates and Courses

- E-Learning System 9.1 Blackboard Learn
- Record Lectures
- Electronic Examination System Question mark V5.2
- Virtual Classroom System Eliminate Live V10.
- Preparation Of The Strategic Plan For The Community College
- Academic Standards In The National Qualifications Framework
- Preparation Of The Initial Self-Study
- Programs and Qualifications Characterization
- The Preparation of Evidence And Indicators
- Designing Improved Organizational Structures of The Units University
- Several Certificates And Shields In The International US Dependence (COE) Of Najran University
- Recent Trends In Teaching
- Decision-Making
- Developing Curricula
- Designing Questionnaires
- Statistical Analysis

Publications

1. Saravanakumar, R., Talele, G., Alyamoor, A. H., Bhatt, K. K., Vats, P., & Alazzam, M. B. (2023, November). Cost optimization in CNN for big data of share price. In AIP Conference Proceedings (Vol. 2587, No. 1). AIP Publishing.
2. Lalitha Kumari, P., Pandey, J. K., Verma, K., Naidu, G. T., Gupta, A., & Alazzam, M. B. (2023, November). Impact of artificial intelligence on employees performance in information technology sector. In AIP Conference Proceedings (Vol. 2587, No. 1). AIP Publishing.

3. Veeraiah, V., Rahmath, M., Verma, K., Singh, U. P., Gupta, A., & Alazzam, M. B. (2023, November). Deep learning integration to inject intelligence in network routing mechanism. In AIP Conference Proceedings (Vol. 2587, No. 1). AIP Publishing.
4. Gautam, A., Shrivastava, G., Pankajam, A., Bansal, R., Gupta, A., & Alazzam, M. B. (2023, November). A study on effects of GST on farmers and agricultural sector: An empirical analysis in India. In AIP Conference Proceedings (Vol. 2587, No. 1). AIP Publishing.
5. Ahamad, S., Rao, B. B., Srikanth, K., Gopal, V. P., Mehra, P., & Alazzam, M. B. (2023, November). Machine learning approach to enhance performance of suspicious activity detection system. In AIP Conference Proceedings (Vol. 2587, No. 1). AIP Publishing.
6. Saravanakumar, R., Maniraj, S. P., Barshan, A. D., Das, S., Hasan, H., & Alazzam, M. B. (2023, November). Clustering big data for novel health care system. In AIP Conference Proceedings (Vol. 2587, No. 1). AIP Publishing.
7. Al-Asadi, A. J., Arundathi, J. V. S., Dahiya, O., Wahab Hashmi, A., Gupta, A., & Alazzam, M. B. (2023, November). Security enhancement of big data in cloud application using block-chain. In AIP Conference Proceedings (Vol. 2587, No. 1). AIP Publishing.
8. Kumar, R., Mathu Bala, R. S., Thenmalar, K., Gupta, A., Ranjithkumar, K., & Alazzam, M. B. (2023, November). A distinctive cross-chain trading platform based on block chain technology. In AIP Conference Proceedings (Vol. 2587, No. 1). AIP Publishing.
9. Saxena, S., Nagpal, A., Prashar, T., Shravan, M., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). Blockchain for Supply Chain Traceability: Opportunities and Challenges. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 110-114). IEEE.
10. Arumugam, M., Juglan, K. C., Dixit, A. K., Kiran, G. R., Al-Chilibi, H., & Alazzam, M. B. (2023, May). Leveraging Big Data in Financial Institutions and Law Enforcement: Challenges and Opportunities. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1664-1667). IEEE.
11. Krishna, S. H., Dutt, A., Sharma, S. D., Singh, S. P., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). A Comparative Study of Statistical Approaches for Data Classification in SCM. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 753-757). IEEE.
12. Goswami, C., Gupta, M., Sharma, S., Ravindar, B., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). A Theoretical analysis of Recent development in Statistical kind of Machine Learning. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 770-774). IEEE.

13. Alanya-Beltran, J., Padilla-Caballero, J., Pant, R., Jagadish, S., Ibrahim, R. K., & Alazzam, M. B. (2023, May). Identification of Cyber-Attacks in IoT-based Healthcare. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 2692-2696). IEEE.
14. Behera, N. R., Tak, S., Thakur, G., Prabhanjan, N., Ibrahim, W. K., & Alazzam, M. B. (2023, May). Use of Artificial Intelligence in Smart City Development. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 605-608). IEEE.
15. Patel, C., Verma, R., Juyal, A., Shravan, M., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). Evaluating the Effectiveness of Blockchain in Supply Chain Finance. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 140-144). IEEE.
16. Dhaliwal, N., Tomar, P. K., Joshi, A., Reddy, G. S., Hussein, A., & Alazzam, M. B. (2023, May). A detailed Analysis of Use of AI in Inventory Management for technically better management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 197-201). IEEE.
17. Surya, S., Jagtap, S. R., Ramnarayan, R., Priyadarshini, M., Ibrahim, R. K., & Alazzam, M. B. (2023, May). Protecting online transactions: A cybersecurity solution model. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 2630-2634). IEEE.
18. Panduro-Ramirez, J., Damodaraswamy, A., Gehlot, A., Srinivas, D., Hussein, A., & Alazzam, M. B. (2023, May). Exploring the technological barriers of AI in Management Decision Making. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 828-832). IEEE.
19. Dasgupta, S., Yelikar, B. V., Naredla, S., Ibrahim, R. K., & Alazzam, M. B. (2023, May). AI-Powered Cybersecurity: Identifying Threats in Digital Banking. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 2614-2619). IEEE.
20. Bharadwaj, P. K., Lakhanpal, S., Uniyal, V., Kumar, R. R., Al-Chilibi, H., & Alazzam, M. B. (2023, May). The Role of Smart Contracts in Cryptocurrency-Based Project Management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 950-954). IEEE.
21. Deka, A., Jain, A., Sharma, S. D., Reddy, T. B. P., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). Managing The Risks Of Data Abundance: An Evaluation Of Quality Variables. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1637-1640). IEEE.
22. Tomar, P. K., Kumar, K. S., Krishna, G., Soumya, K., Ibrahim, R. K., & Alazzam, M. B. (2023, May). Improved Detection of Cyber-Attacks Using a Bi-Directional RNN with LSTM Deep Learning Model. In 2023 3rd International Conference on Advance

- Computing and Innovative Technologies in Engineering (ICACITE) (pp. 2660-2664). IEEE.
- 23.** Khan, R., Dhaliwal, N., Deorari, R., Anoosha, P., Hussein, A., & Alazzam, M. B. (2023, May). The way to implement Cryptocurrency for International Payments and Remittances. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 226-229). IEEE.
 - 24.** Pandey, K. K., Thorat, M., Joshi, A., Srinivas, D., Hussein, A., & Alazzam, M. B. (2023, May). Natural Language Processing for Sentiment Analysis in Social Media Marketing. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 326-330). IEEE.
 - 25.** Pandurang, G. A., Gupta, M., Ray, J., Kumar, R. R., Hussein, A., & Alazzam, M. B. (2023, May). Big Data Through Product Offering: The Technological Challenges Of Data Science. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1349-1354). IEEE.
 - 26.** Kumar, M., Joshi, A., Hussein, A., & Alazzam, M. B. (2023, May). Technical Analysis of Performance of sentimental behaviours using Structural Equation Modelling. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 169-173). IEEE.
 - 27.** Sharma, V., Sethi, G., Ray, J., Deepan, S., Al-Tae, M., & Alazzam, M. B. (2023, May). Electronic Transaction System Construction Utilizing the Internet of Things. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1320-1323). IEEE.
 - 28.** Ghai, S., Lakhanpal, S., Ramola, B., Ramesh, R., Al-Tae, M., & Alazzam, M. B. (2023, May). Natural Language Processing in Solving Resource Constrained Project Scheduling Problems. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 256-260). IEEE.
 - 29.** Sharma, S., Jain, A., Ramola, B., Ravindar, B., Al-Tae, M., & Alazzam, M. B. (2023, May). Implementation of Natural Language Processing for sentiment Analysis. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 299-302). IEEE.
 - 30.** Krishna, S. H., Sethi, G., Nautiyal, A., Singh, S. P., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). The barriers of Implementation block chain technology in the field of Banking Industry. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 24-28). IEEE.
 - 31.** Krishna, S. H., Singh, N., Ramola, B., Reddy, G. S., Al-Tae, M., & Alazzam, M. B. (2023, May). The Use of Deep Learning for Predictive Analytics in Financial Management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 286-290). IEEE.
 - 32.** Raghuram, K., Sethi, G., Kumar, U., Kumar, G. R., Al-Chilibi, H., & Alazzam, M. B. (2023, May). Multistage N/W Intrusion-Detection system implementation through

- DL and Image Classification. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1575-1580). IEEE.
- 33.** More, S. K., Gupta, L. R., Gehlot, A., Soumya, K., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). Exploring the Effectiveness of Machine Learning in Facility Location Problems. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 154-158). IEEE.
 - 34.** Mishra, R., Sharma, V., Uniyal, V., Ravindar, B., Al-Chilibi, H., & Alazzam, M. B. (2023, May). Big Data Statistics: Methods, Gaps, And Prospects For Supply-Chain Managing. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1608-1611). IEEE.
 - 35.** Juglan, K. C., Sharma, B., Gehlot, A., Singh, S. P., Hussein, A., & Alazzam, M. B. (2023, May). Exploring the Effectiveness of Natural Language Processing in Customer Service. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 814-818). IEEE.
 - 36.** Tripathy, S., Chhabra, S., Deorari, R., Sreenivasgoud, P., Hussein, A., & Alazzam, M. B. (2023, May). Virtual Teams: Analysis of best technology to optimize with the goal setting of all technical aspects. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 857-861). IEEE.
 - 37.** Ramachandran, K. K., Semwal, A., Singh, S. P., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). AI-Powered Decision Making in Management: A Review and Future Directions. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 82-86). IEEE.
 - 38.** Satwaliya, D. S., Thethi, H. P., Dhyani, A., Kiran, G. R., Al-Tae, M., & Alazzam, M. B. (2023, May). Predictive Maintenance using Machine Learning: A Case Study in Manufacturing Management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 872-876). IEEE.
 - 39.** Kiranmai, M. V. S. V., Panduro-Ramirez, J., Dhyani, A., Reddy, G. S., Al-Tae, M., & Alazzam, M. B. (2023, May). The Impact of Machine Learning (ML) Optimization of supply chain management domain. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 932-936). IEEE.
 - 40.** Aashima, A., Chandrasekeran, I., Rana, A., Naredla, S., Ibrahim, W. K., & Alazzam, M. B. (2023, May). Blockchain Technology for Secured Transactions in Banking. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 655-660). IEEE.
 - 41.** Vijayalakshmi, S., Jain, A., Dixit, A. K., Kiran, G. R., Al-Chilibi, H., & Alazzam, M. B. (2023, May). A Deep Review on Analytics of Big Data in Deployment and Effect on Organizational Decision-Making. In 2023 3rd International Conference on Advance

- Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1622-1627). IEEE.
42. Kaulage, A. N., Tomar, P. K., Pant, R., Debnath, L., Ibrahim, R. K., & Alazzam, M. B. (2023, May). Revolutionizing Material Selection in Construction 4.0: A Comparative Analysis of Artificial Intelligence Technologies. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 2707-2712). IEEE.
 43. Modi, S., Dixit, A. K., Kumar, R. R., Al-Chilibi, H., & Alazzam, M. B. (2023, May). Ensuring Security in Internet of Everything (IoT) With Smart Sensor Networking and Mobile Ad Hoc Network. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1977-1681). IEEE.
 44. Jagadeesan, S., Malik, D. K., Bharti, S., Singh, S. P., Ibrahim, R. K., & Alazzam, M. B. (2023, May). Artificial Intelligence in Supply Chain Management in Industry 4.0. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 2722-2726). IEEE.
 45. Bhusari, V. S., Kansal, L., Juyal, A., Rajyalaxmi, M., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). Elaborated survey of the Effectiveness and implementation challenges of Crypto currency in Supply Chain Finance. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 800-804). IEEE.
 46. Sravanthi, J., Sobti, R., Semwal, A., Shravan, M., Al-Hilali, A. A., & Alazzam, M. B. (2023, May). AI-Assisted Resource Allocation in Project Management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 70-74). IEEE.
 47. Othman, B., Manideep, A. S., Gildhiyal, S., Naredla, S., Ibrahim, W. K., & Alazzam, M. B. (2023, May). Developing an Blockchain-Based System for E-Commerce Inventory Management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1211-1216). IEEE.
 48. Saraswat, M., Kaur, N., Bisht, Y., Reddy, G. S., Al-Tae, M., & Alazzam, M. B. (2023, May). The Use of Deep Learning and Blockchain for Predictive Analytics in Financial Management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 11-15). IEEE.
 49. Vyas, P., Bhavani, G. L., Gairola, N., Ranjith, D., Ibrahim, W. K., & Alazzam, M. B. (2023, May). Machine Learning Approaches for Security Detection in Cloud Web Applications. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1195-1199). IEEE.
 50. Gupta, L. R., Kumar, U., Mahadevuni, S. K., Al-Chilibi, H., & Alazzam, M. B. (2023, May). Ubiquitous computing integration models enabling wireless networks of

- sensors. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1365-1369). IEEE.
51. Acharjee, P. B., Kumar, M., Krishna, G., Raminenei, K., Ibrahim, R. K., & Alazzam, M. B. (2023, May). Securing International Law Against Cyber Attacks through Blockchain Integration. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 2676-2681). IEEE.
 52. Vyas, S., Thethi, H. P., Parvez, A., Ramesh, R., Al-Chilibi, H., & Alazzam, M. B. (2023, May). Transforming Supply Chain Traceability with Big Data Analytics and Metaverse Technology: Opportunities and Challenges. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1748-1753). IEEE.
 53. Panduro-Ramirez, J., Padilla-Caballero, J., Rana, A., Soumya, K., Ibrahim, W. K., & Alazzam, M. B. (2023, May). Empirical Method to Analysis Mobile Payment Authentication Enhancement using Blockchain. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1228-1233). IEEE.
 54. Alanya-Beltran, J., Padilla-Caballero, J., Singh, D., Sudhakar, A. V. V., Ibrahim, R. K., & Alazzam, M. B. (2023, May). Development of smart grid infrastructure in cybersecurity. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 2643-2648). IEEE.
 55. Goel, M., Tomar, P. K., Vinjamuri, L. P., Reddy, G. S., Al-Tae, M., & Alazzam, M. B. (2023, May). Using AI for Predictive Analytics in Financial Management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 963-967). IEEE.
 56. Kumar, G. S., Krishna, S. H., Rana, A., Raghu, T., Ibrahim, W. K., & Alazzam, M. B. (2023, May). Utilization of Blockchain Technology in Online Education for Sharing Notes and Report—An Empirical Analysis. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 1245-1250). IEEE.
 57. Sharma, V., Oyebode, O. J., Uniyal, V., Rajyalaxmi, M., Al-Tae, M., & Alazzam, M. B. (2023, May). Technical use of Smart Contracts in Blockchain-Based Project Management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 272-276). IEEE.
 58. Kumar, P., Tomar, P. K., Bharti, S., Naredla, S., Ibrahim, R. K., & Alazzam, M. B. (2023, May). Maximizing the Potential of Artificial Intelligence in Digital Marketing. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 2736-2741). IEEE.
 59. Oyebode, O. J., Chhabra, S., Thakur, G., Nigitha, D., Ibrahim, W. K., & Alazzam, M. B. (2023, May). Improvement of Solid Waste Management by Using Blockchain

- Technology. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 621-625). IEEE.
60. Ramachandran, K. K., Vinjamuri, L. P., Ramesh, R., Al-Tae, M., & Alazzam, M. B. (2023, May). Using AI for Risk Management and Improved Business Resilience. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 978-982). IEEE.
 61. Ramachandran, K. K., Karthick, K. K., Deorari, R., Srinivas, D., Hussein, A., & Alazzam, M. B. (2023, May). Multivariate Statistical Analysis in Marketing Management. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 240-244). IEEE.
 62. Krishna, B. V., Kumar, K. S., Gildhiyal, S., Srinivas, M., Ibrahim, W. K., & Alazzam, M. B. (2023, May). An empirical study on application of 5G smart system in education. In 2023 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 637-642). IEEE.
 63. Maddeh, M., Ayouni, S., Al-Otaibi, S., Alazzam, M. B., Alturki, N. M., & Hajjej, F. (2023). Discrete-Event Simulation Model for Monitoring Elderly and Patient's Smart Beds. *Journal of Disability Research*, 2(3), 1-9.
 64. Maddeh, M., Ayouni, S., Al-Otaibi, S., Alazzam, M. B., Alturki, N. M., & Hajjej, F. (2023). Ensemble Learning-based Smartbed System for Enhanced Patient Care. *Journal of Disability Research*, 2(1), 26-34.
 65. Maddeh, M., Ayouni, S., Al-Otaibi, S., Alazzam, M. B., Alturki, N. M., & Hajjej, F. (2023). Assisting Healthcare Using a Time-Series-Based Nonstationary Model for Smart Beds. *Journal of Disability Research*, 2(1), 75-84.
 66. Ayouni, S., Maddeh, M., Al-Otaibi, S., Alazzam, M. B., Alturki, N. M., & Hajjej, F. (2023). Development of a Smart Hospital Bed Based on Deep Learning to Monitor Patient Conditions. *Journal of Disability Research*, 2(2), 25-36.
 67. Maddeh, M., Hajjej, F., Alazzam, M. B., Otaibi, S. A., Turki, N. A., & Ayouni, S. (2023). Spatio-Temporal Cluster Mapping System in Smart Beds for Patient Monitoring. *Sensors*, 23(10), 4614. <https://doi.org/10.3390/s23104614> **WOS, Impact Factor: 3.847, Scopus Q2**
 68. Al Fryan, L. H., Shomo, M. I., & Alazzam, M. B. (2023). Application of Deep Learning System Technology in Identification of Women's Breast Cancer. *Medicina*, 59(3), 487. <https://doi.org/10.3390/medicina59030487> **WOS, Impact Factor: 2.984, Scopus Q2**
 69. Fryan, L. H. A., & Alazzam, M. B. (2023, January). Survival Analysis of Oncological Patients Using Machine Learning Method. In *Healthcare* (Vol. 11, No. 1, p. 80). Multidisciplinary Digital Publishing Institute. <https://doi.org/10.3390/healthcare11010080> **WOS, Impact Factor: 3.610, Scopus Q2**
 70. Babu, S. Z. D., Pandey, D., Naidu, G. T., Sumathi, S., Gupta, A., Bader Alazzam, M., & Pandey, B. K. (2023). Analysation of Big Data in Smart Healthcare. In *Artificial*

- Intelligence on Medical Data (pp. 243-251). Springer, Singapore.
https://doi.org/10.1007/978-981-19-0151-5_21
71. Pathania, V., Babu, S. Z. D., Ahamad, S., Thilakavathy, P., Gupta, A., Alazzam, M. B., & Pandey, D. (2023). A Database Application of Monitoring COVID-19 in India. In Artificial Intelligence on Medical Data (pp. 267-274). Springer, Singapore.
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