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Time at UoN: Since 2007

Marital Status: ....

Dr. Arockiasamy Soosaimanickam is currently an Assistant Dean for Training and Society Services of College of Economics Management and Information Systems, University of Nizwa, Sultanate of Oman. He also served as a member of various Committees at University of Nizwa, such as University Academic Council, Executive Board for Academic Affairs, Institutional Standard Assessment Steering Committee, and Foundation Program Board etc. He was also a Chair of Executive Board and College Board of the College of Economics, Management and Information Systems, University of Nizwa. In total, he has 36+ years of experience in Teaching and Research in India and Sultanate of Oman, which includes 19 years of Teaching and Administrative experience at University of Nizwa. Dr. Arockiasamy obtained his Master's degree from Bharathidasan University, MPhil and PhD in Computer Science from Bharathiar University, India. His main expertise and research interests are in the field of Image Processing and Data Mining. He is also involved in various Research Projects inside and outside Oman. He is a recognized `PhD supervisor` of several Universities in India and abroad. Three Research Scholars have already completed their PhD in Computer science under his supervision. He has published over 50 Research papers in International / National Journals and conferences to his credit. Dr. Arockiasamy was serving as a Chief Editor of an in-house magazine named "Voice of CEMIS" at University of Nizwa. He has been invited as a keynote speaker in various International / National conferences in India and abroad as well. He is an External Reviewer of various National /

International Journals. He has been acting as an External Examiner for evaluating PhD thesis for many Universities in India. Dr. Arockiasamy was a popular writer in a well-established Tamil Newspaper ‘Daily Thanthi’ for more than 8 years. A full page article on popular computer related topics titled “Computer Jaalam” was published for the benefit of many people. He has written more than 400 articles from March 2004 to December 2010. Dr. Arockiasamy joined the Faculty of University of Nizwa in 2007. Prior to his current position, he worked at a College affiliated to Bharathiar University since 1990. He was a HoD and Director, Department of Computer Science and Applications for 18 years in a reputed institution in India. He was also a Chairman of Computer Society of India, Coimbatore Chapter during the year 2006-07 and also a recipient of Chapter Patron Award for the year 2011 during CSI annual convention. He is also a recipient of a prestigious award, “Best Professor in Information Technology” by Asian Education Leadership Awards on 25th September 2012 at Dubai. This award is for his contributions in Teaching, Research and Community Services. He is also a recipient of “Distinguished Leader in Science” Award, by Higher Education Leadership Award (HELA), Venus International Foundation on 6th January 2018 at the Hotel Le Meridian, Chennai. Recently, he has received an award, “Fabulous Global Education Leader” by World Education Congress on 4th July, at Hotel TajLand Ends, Mumbai. This award is for his contributions in the field of Education in different capacity.

Academic Qualifications

- PhD in Computer Science, Bharathiar University, 2007
- MPhil in Computer Science, Bharathiar University, 1996
- MSc in Computer Science, Bharathidasan University, 1990

Teaching Activities

- Decision Support Systems, Spring 2026, Spring 2026
- Systsms Analysis and Design, Spring 2026
- Introduction to Information Systems, Spring 2026
- Expert Systems, Fall2025

Research Activities

- Research Interests

E Business Applications

Blockchain Technology

Data Mining

Artificial Intelligence

- Conference Presentations

Assessing audit fees: Turnover, inflation & minimum stipend rate., International Conference for Management, Social Sciences and Humanities ICMeSH 2021, , Universiti Teknologi Petronas, Borneo Convention Centre, Sarawak, Malaysia, July 2021., 07/07/2021

High Utility Pattern Mining using ULB-Miner, INTERNATIONAL CONFERENCE ON SUSTAINABLE ADVANCED COMPUTING (ICSAC 2021), Springer publications, CHRIST (Deemed to be University), Bangalore, INDIA. , 07/03/2021

An investigation of citizens e-participation within Oman’s police department Facebook page, EAI SmartGov 2020 - 2nd EAI International Conference on Smart Governance for Sustainable Smart Cities, December 2-4, 2020, Portugal, 02/12/2020

Combining of Knowledge based system with Information Technology Project management, 17th International Arab Conference on Information Technology (ACIT 2016), Mouly Slimane University, Beni Mellal, Morocco. , 06/12/2016

Energy – Aware Clustering in Wireless Sensor Network, IEEE International Conference on Computational Intelligence and Computing Research, India, 07/12/2011

Assessing audit fees: Turnover, inflation & minimum stipend rate, International Conference for Management, Social Sciences and Humanities ICMeSH 2021, Universiti Teknologi Petronas, Borneo Convention Centre, , Sarawak, Malaysia, July 2021., July 2021

- Publications

Article:

1. 2023 Validating Biometric Pattern Recognition using Tableau: An Empirical Study, International Journal of Computer Applications (IJCA), Volume 185 – No. 32, August 2023 (ProQuest, EBSCO), S.M. Emdad Hossain, M. Raisuddin Ahmed, Mohammad Amir, S. Arockiasamy

2. 2023 MBA: Market Basket Analysis Using Frequent Pattern Mining Techniques’, International Journal on Recent and Innovation Trends in Computing and Communication,

Volume 11, Issue 5S, Pages 15-21. [Scopus indexed] , Sallam Osman Fageeri, Mohammad Abu Kausar, Arockiasamy Soosaimanickam

3. 2023 Sentiment Classification based on Machine Learning Approaches in Amazon Product Reviews', Engineering, Technology & Applied Science Research, Volume 13, Issue 3, Pages 10849-10855, [Scopus and ISI indexed], Mohammad Abu Kausar, Sallam Osman Fageeri, Arockiasamy Soosaimanickam

4. 2023 Robo Academic Advisor: Can Chatbots and Artificial Intelligence Replace Human Interaction?,Journal of Contemporary Educational Technology, December 2023. (Scopus Q1, Web of Sciences Indexed) , Mohammed Muneerali Thottoli, Badria Hamed Alruqaishi, and Arockiasamy Soosaimanickam

5. 2022 Sallam Osman Fageeri, 2022, International Journal of Engineering and Information Systems (IJEAIS), Vol. 6 Issue 2, February - 2022, Pages:57-65. , Ibtisam Mohammed Humaid Al Bahri, Arockiasamy Soosaimanickam

6. 2022 High-Utility Pattern Mining Using ULB-Miner. In: Aurelia, S., Hiremath, S.S., Subramanian, K., Biswas, S.K. (eds) Sustainable Advanced Computing. Lecture Notes in Electrical Engineering, vol 840. Springer, Singapore. https://doi.org/10.1007/978-981-16-9012-9_17, Scopus indexed., Fageeri, S.O., Hossain, S.M.E., Arockiasamy, S., Al-Salmi, T.Y

7. 2022 Lie Detection Technique using Video from the Ratio of Change in the Appearance, IJCSNS International Journal of Computer Science and Network Security, VOL.22 No.7, July 2022. (ISI, Web of Science), Emdad, S. M. H, Sallam O. F, Arockiasamy S, M. Abu Kausar, Aiman M. S

8. 2022 "A Study of Performance and Comparison of NoSQL Databases: MongoDB, Cassandra, and Redis Using YCSB", Indian Journal of Science and Technology (2022), Volume 15, Issue 31. [Indexed Web of Science]., Mohammad Abu Kausar, Arockiasamy Soosaimanickam and Mohammad Nasar

9. 2021 Environment based Precision Agriculture, PSYCHOLOGY AND EDUCATION (2021) 58(2): 6157-6163 ISSN: 00333077. , Dr. Rohini. V, Dr. V. B. Kirubanand, Dr. Arokiasamy Soosaimanickam

10. 2021 Classification of Eye Refractive Error using Classifier-Fusion; International Journal of Digital Information and Wireless Communications (IJDIWC), Vol. 11, No. 3, 2021 (ISI-Indexed Journal)., Sallam Osman Fageeri, S M Emdad Hossain, Arockiasamy Soosaimanickam

11. 2021 Public Sentiment Analysis on Twitter Data during COVID-19 Outbreak", International Journal of Advanced Computer Science and Applications (IJACSA) (2021),

Volume 12, Issue 2. [Indexed in Scopus, Web of Science]., Mohammad Abu Kausar, Arockiasamy Soosaimanickam and Mohammad Nasar

12. 2020 “A Proposal to Implement a Blockchain-Based Model to Measure Student`s Performance in Higher Education Institutions in Oman”, International Journal of Engineering and Information Systems (IJEAIS), ISSN: 2643-640X, Vol. 4 Issue 6, June – 2020, Pages: 1-9., Siham Nasser Al Darei, Amal Sultan AL Muqrashi, S. Arockiasamy

13. 2020 “An Investigation of Citizen’s e-Participation Within Oman’s Police Department Facebook Page”, ICST Institute for Computer Sciences, Social Informatics and Telecommunications Engineering 2020 Published by Springer Nature Switzerland AG 2020, H. Santos et al. (Eds.): SmartCity 360 2019, LNICST 323, pp. 236–248, 2020. , Tamanna Dalwai, Menila James, William Webster, Abdullah Mohammed Alshukaili, and Arockiasamy Soosaimanickam,

14. 2020 Building an Information Systems Model for Traffic Congestion in Muscat City, International Journal of Advanced Science and Technology, (IJAST), Science & Engineering Research Support Society, 2020. , Afrah Al Zeidi, Arockiasamy Sosoaimanickam

15. 2019 Integrated Security for Mobile Ad-Hoc Network. International Journal of Engineering and Information Systems (IJEAIS), 3 (9)., Hossain, S. M. E, Mourad H, Arockiasamy S, Robiul I, Yaqoob R

16. 2019 Semantic Web Search using Personalized User Preference Graph Clustering Based on Semantic Information Retrieval, Indonesian Journal of Electrical Engineering and Informatics (IJEEI), Vol. 7, No. 4, December 2019, pp. 1~11. , Princess Maria John, S. Arockiasamy, P. Ranjit Jeba Thangaiah

17. 2018 “Adaptable Medical Diagnostic Vessel for Human Body Check-up”, International Journal of Advancements in Computing Technology (IJACT), Topic:Engineering and Technology, Vol:10, Iss:1, pp:47-51, 2018-03-31, International Journal of Advancements in Computing Technology (ISSN: 2005-8039)., South Korea. , Hossain S.M.E , Elshaiekh N. E , Said A. M and Arockiasamy S

18. 2018 A Comparative Study of the Efficient Data Mining Algorithm to Find the Most Influenced Factor on Price Variation in Oman Fish Markets”, SAKARYA UNIVERSITY JOURNAL OF COMPUTER AND INFORMATION SCIENCES, VOL. 1, NO. 2, A1, AUGUST 2018., Amal Al Hattali, Arockiasamy Soosaimanickam

19. 2018 A Comparative Study of the Efficient Data Mining Algorithm for Forecasting Least Prices in Oman Fish Markets”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 11 (2018), pp. 8751-8758,© Research India Publications. http://www.ripublication.com, Amal Al Mugrashi, Arockiasamy Soosaimanickam

20. 2018 A personalized user preference and feature based semantic information retrieval system in semantic web search", International Journal Grid and Utility Computing, Topic:Engineering and Technology, Vol:Vol. 9 , Iss:No. 3, 2018 , pp:256-266, 2018-07-15, Inderscience Publishers, United Kingdom., Princess Maria John, S. Arockiasamy, P. Ranjith Jeba Thangiah

21. 2017 Analysis of Energy Preservation Technique based on ACR-LEACH and Cyclic LEACH", International Journal of Information and Communication Technology, Inderscience Publishers, ISSN online: 1741-8070, Vol. 11, No. 4, 2017., V. S. Anita Sofia, S. Arockiasamy, P. Ranjit Jeba Thangaiah

22. 2016 "Combining of Knowledge based system with Information Technology Project management", in the 17th International Arab Conference on Information Technology (ACIT 2016), 6-8, December 2016, at Mouly Slimane University, Beni Mellal, Morocco., Nour Eldin AlShaiekh, Arockiasamy Soosaimanickam

23. 2015 "A Conceptual Architectural Framework of Cloud Computing for Higher Educational Institutions in the Sultanate of Oman". J. of Emerging trends in Computing and information Science, Vol. 6, No.8, 2015, Zeyana Al Kindi, John D. Haynes, S Arockiasamy

24. 2014 "Adopting Quadrilateral Arabic Roots in Search Engine of E-library System", International Journal of Recent Research in Social Sciences and Humanities (IJRRSSH), Vol. 1, Issue 1, pp: (47-53), Month: April - June 2014, Available at: www.paperpublications.org., Said Mohammed Al Rashdi, Arockiasamy

25. 2014 Development of an Energy Preservation Technique based on Cyclic Model in WSN", Interscience Research Network International Conference on Communication, Computation and Cognition, March 2014. (ISBN: 978-93-83060-13-9)., V.S.Anita Sofia, S. Arockiasamy, P. Ranjit Jeba Thangaiah

26. 2013 "Face Recognition in compressed domain by applying Wavelet Transform and feature vector optimization " Journal of Applied Sciences (Indexed in Thomson Reuters Master Journal List, 2011 SJR 0.038), 2013, Menila James, S. Arockiasamy, P. Ranjit Jeba Thangaiah

27. 2013 "Active Clustering Rule for LEACH model in Wireless Sensor Network " Journal of Applied Sciences (Indexed in Thomson Reuters Master Journal List, 2011 SJR 0.038), 2013, Anitha Sofia, S. Arockiasamy, P. Ranjit Jeba Thangaiah

Faculty Administrative Experience

2017 - 2023: Dean - University of Nizwa

Maaged the college over 6 years and mainly contributed to institutional accreditation from OAAAQA.

2010 - Present: Assistant Dean for Training and Society Services - CEMIS, University of Nizwa

managing the Students Internship and other Training related activities in the College

2009 - 2017: HoD of Information Systems, CEMIS - University of Nizwa

Managing Information Systems and Web Design & Information Security programs

1990 - 2007: HoD and Director, Department of Computer Science and Applications - SRCAS, Affiliated to Bharathiar University

Managing the departments of Computer Science, Computer Applications and Information Technology

Membership in Professional Bodies

2013-Present: IEEE

1996-Present: Computer Society of India (CSI), Life Member

Award and Recognitions

2019 251 Fabulous Global Education Leader by World Education Congress

2018 Distinguished Leader in Science by Venus International Foundation

2012 Best professor in Information Technology by Asian Leadership Awards Committee

RESOURCE PERSON IN INTERNATIONAL / NATIONAL CONFERENCES 1) Keynote Speaker in the AICTE/ISTE sponsored Conference on “Multifaces of Web Technology” at Jayaraj Annapackiam College, Theni. (2004) 2) Keynote Speaker in the National Conference on “Recent Trends in Computer Technology” at Navarasam College, Erode. (2004) 3) Keynote Speaker in the National Seminar on “Computers in Commerce” at Sri Ramakrishna womens college, Coimbatore. (2004) 4) Keynote Speaker in the National Seminar on “Computer Applications “at Vidyasagar College, India, (2003) 5) Keynote Speaker in the National Conference on “Image Processing” at Dr SNS College, Coimbatore. (2005) 6) Keynote Speaker in the National Seminar on “Astonishing aspects in Information Technology”, at Vivekananda College of Engineering and Technology, Erode. (2006) 7) Keynote Speaker in the National Seminar on “Emerging Trends in IT” at Muthayammal College of Arts and Science, Namakkal. (2007) 8) Keynote Speaker in International Conference ICRIEAT 2016, held at Hyderabad, INDIA during 21-24 December 2016, Topic: RFID-An automated

identification Technology. 9) Moderator and Chair for the session FUTURE ELECTRONICS, in the 51st Annual Convention CSI 2016 (Digital Connectivity – Social impact) organized by the Computer Soceity of India (CSI),Coimbatore on 23-25, January 2017. 10) Keynote Speaker in the National Level Seminar on “Advanced Trends in Information and Communication Technology (ATICT)” on 26 April 2018 organized by Mazoon College, Muscat, Sultanate of Oman, Topic: Blockchain Technology: Software platform for digital assets. 11) Keynote Speaker in the International Conference on “Emerging Social, Mobile, Analytics and Cloud” (e-SMAC 2018) organized by SRI RAMAKRISHNA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, INDIA on 24 January 2018, Topic: Moving towards Cloud based Knowledge Management.

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