

Academic Resume



Maram Meccawy

Associate Professor, Information Systems Department

Associate Professor of Information Systems with International experience in the IT industry.

Contact Information.

Room 141, Ext. 72850, mmeccawy@kau.edu.sa.

Highest Degree.

2009, Ph.D, A service-orientated architecture for adaptive and collaborative e-learning systems, University of Nottingham, UK.

Academic and Professional Experiences.

1. **2021 - 2022**
Visiting Scholar, Computer Science Department, University of Durham.
2. **2019 - Present**
Associate Professor, Information Systems Department, KAU.
3. **2014 - 2019**
Assistant Professor, Information Systems Department, KAU.
4. **2013 - 2014**
Managing Editor at Makkah Online, Jeddah, Makkah Publishers Establishment.
5. **2009 - 2010**
Business Analyst, London, UK, Shell International Corp.
6. **2006 - 2006**
Research Intern, Dublin, Ireland, National College of Ireland.
7. **2005 - 2008**
Lab Demonstrator, Nottingham, University of Nottingham.

Research Interests.

MOOC, Gamification, XR in education, Web Services, Distributed Systems, E-Systems, Adaptive Educational Hypermedia and User Modeling, eLearning Systems Architectures.

Teaching Interests.

HCI, Research Seminar (PhD), E-Systems Applications, Emerging Technologies in Business (MSc), Professional Computing Issues, Selected Topics in IS (XR).

Certifications and Trainings.

1. Diploma in Professional Teaching and Learning (KAU).
2. Design Thinking Workshop (Harvard University).
3. Train the Trainer Program (KAU with partnership with Babson Global).
4. Higher Education Teaching Certificate (Harvard University).
5. Virtual Reality and Augmented Reality Certificate (MiT).

Social, Scientific and Professional Affiliation.

1. 2015-2019, Counselor, IEEE Student Branch at KAU (female).
2. 2015-2020, Head of TAs Committee, Department of IS.
3. 2020-, FCIT-Committee member, Prince Khalid Al-Faisal Institute for Moderation.

Funded Projects.

1. 2020, A proposal for the University President's Initiative for Distinguished Research - related to the Corona virus, KAU, A Personalized Awareness Campaign to Contain Covid-19 Virus in Saudi Arabia through Digital Visualized Maps.

Publications.

1. Maram Meccawy, Asma Alzahrani, Zinah Mattar, Rawan Almohammadi, Samah Alzahrani, Ghadeer Aljizani, Zilal Meccawy, "Assessing Efl Students' Performance And Self-Efficacy Using A Game-Based Learning Approach", *Education Sciences*, vol: 13, pp. 1228, 2023.
DOI: [10.3390/educsci13121228](https://doi.org/10.3390/educsci13121228)
2. Maram Meccawy, "Teachers' Prospective Attitudes Towards The Adoption Of Extended Reality Technologies In The Classroom: Interests And Concerns", *Smart Learning Environments*, vol: 10, 2023.
DOI: [10.1186/s40561-023-00256-8](https://doi.org/10.1186/s40561-023-00256-8)
3. Maram Meccawy, Afnan Ali Bayazed, Bashayer Al-Abdullah, Hind Algamdi, "Automatic Essay Scoring For Arabic Short Answer Questions Using Text Mining Techniques", *International Journal Of Advanced Computer Science And Applications*, vol: 14, 2023.
DOI: [10.14569/IJACSA.2023.0140682](https://doi.org/10.14569/IJACSA.2023.0140682)
4. Takashi Nagai, Strahinja Klem, Mizue Kayama, Takehiko Asuke, Maram Meccawy, Jingyun Wang, Alexandra I. Cristea, Craig D. Stewart, Lei Shi, "Pica-Pica: Exploring A Customisable Smart Steam Educational Approach Via A Smooth Combination Of Programming, Engineering And Art", 2023 Ieee Global Engineering Education Conference (Educon), pp. 1-6, 2023.
DOI: [10.1109/EDUCON54358.2023.10125184](https://doi.org/10.1109/EDUCON54358.2023.10125184)
5. Muhammad Luthfi Hidayat, Hariyatmi, Dwi Setyo Astuti, Bambang Sumintono, Maram Meccawy, Tariq J.S. Khanzada, "Digital Competency Mapping Dataset Of Pre-Service Teachers In Indonesia", *Data In Brief*, vol: 49, pp. 109310, 2023.
DOI: [10.1016/j.dib.2023.109310](https://doi.org/10.1016/j.dib.2023.109310)
6. Maram Meccawy, "Creating An Immersive Xr Learning Experience: A Roadmap For Educators", *Electronics*, vol: 11, pp. 3547, 2022.
DOI: [10.3390/electronics11213547](https://doi.org/10.3390/electronics11213547)
7. Bashaer Alsaadi, Bushra Alsaadi, Athir Alghamdi, Mashaal Alfahid, Nedaa Almualim, Maram Meccawy, "Learning While Playing: Introducing Programming Concepts To Children In Minecraft", *International Journal Of Online And Biomedical Engineering (Ijoe)*, vol: 18, pp. 4-24, 2022.
DOI: [10.3991/ijoe.v18i13.26451](https://doi.org/10.3991/ijoe.v18i13.26451)
8. Mayda Alrige, Hind Bitar, Maram Meccawy, Balakrishnan Mullachery, "Utilizing Geospatial Intelligence And User Modeling To Allow For A Customized Health Awareness Campaign During The Pandemic: The Case Of Covid-19 In Saudi Arabia.", *Journal Of Infection And Public Health*, 2022.
DOI: [10.1016/j.jiph.2022.08.018](https://doi.org/10.1016/j.jiph.2022.08.018)
9. Laila Al-Malki, Maram Meccawy, "Investigating Students' Performance And Motivation In Computer Programming Through A Gamified Recommender System", *Computers In The Schools*, pp. 1-26, 2022.
DOI: [10.1080/07380569.2022.2071229](https://doi.org/10.1080/07380569.2022.2071229)
10. Zilal Meccawy, Arwa A. Allinjaw, Maram Meccawy, Wala Bagunaid, "Tracking English Language Learners" Progress Through A Gamified Social Visualisation Tool To Increase Motivation And Performance", *International Journal Of Technology Enhanced Learning*, vol: 14, pp. 286, 2022.
DOI: [10.1504/IJTEL.2022.10046120](https://doi.org/10.1504/IJTEL.2022.10046120)
11. Ghadeer Adnan Alwafi, Saliha Almalki, Mona Alrougi, Maram Meccawy, Zilal Meccawy, "A Social Virtual Reality Mobile Application For Learning And Practicing English", *International Journal Of Interactive Mobile Technologies (Ijim)*, vol: 16, pp. 55-75, 2022.
DOI: [10.3991/ijim.v16i09.28289](https://doi.org/10.3991/ijim.v16i09.28289)
12. Khadijah M. Alzahrani, Maram Meccawy, "Moocs One-Stop Shop: A Realization Of A Unified Moocs Search Engine", *Ieee Access*, pp. 1-1, 2021.
DOI: [10.1109/ACCESS.2021.3130841](https://doi.org/10.1109/ACCESS.2021.3130841)

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13. Mayda Alrige, Hind Bitar, Maram Meccawy, "Promoting Precautionary Behavior During The Covid-19 Pandemic: Development And Validation Of A Behavior-Change Messaging Campaign", Journal Of Infection And Public Health, 2021.
DOI: [10.1016/j.jiph.2021.09.026](https://doi.org/10.1016/j.jiph.2021.09.026)
14. Alsobhi, Aisha ; Meccawy, Maram ; Meccawy, Zilal, "The Impacts Of E-Learning Readiness In Higher Education During Covid 19 Pandemic", International Transaction Journal Of Engineering Management & Applied Sciences & Technologies, 2021.
15. Zilal Meccawy, Maram Meccawy, Aisha Alsobhi, "Assessment In 'Survival Mode': Student And Faculty Perceptions Of Online Assessment Practices In He During Covid-19 Pandemic", International Journal For Educational Integrity, vol: 17, 2021.
DOI: [10.1007/s40979-021-00083-9](https://doi.org/10.1007/s40979-021-00083-9)
16. Maram Meccawy, Zilal Meccawy, Aisha Alsobhi, "Teaching And Learning In Survival Mode: Students And Faculty Perceptions Of Distance Education During The Covid-19 Lockdown", Sustainability, vol: 13, pp. 8053, 2021.
DOI: [10.3390/su13148053](https://doi.org/10.3390/su13148053)
17. Khloud Alshaikh, Naela Bahurmuz, Ola Torabah, Sara Alzahrani, Zainab Alshingiti, Maram Meccawy, "Using Recommender Systems For Matching Students With Suitable Specialization: An Exploratory Study At King Abdulaziz University", International Journal Of Emerging Technologies In Learning (Ijet), vol: 16, pp. 316, 2021.
DOI: [10.3991/ijet.v16i03.17829](https://doi.org/10.3991/ijet.v16i03.17829)
18. Nisreen Alzahrani, Maram Meccawy, Muazzam Ahmed AbdAlsamei Siddiqu, "Automatic Prediction Of Learning Styles In Learning Management Systems: A Literature Review", 2020 Ieee Asia-Pacific Conference On Computer Science And Data Engineering (Csde), pp. 1-7, 2020.
DOI: [10.1109/CSDE50874.2020.9411535](https://doi.org/10.1109/CSDE50874.2020.9411535)
19. Amani Alharbi, Sara Aloufi, Rahaf Assar, Maram Meccawy, "Virtual Reality Street-Crossing Training For Children With Autism In Arabic Language", 2020 International Conference On Innovation And Intelligence For Informatics, Computing And Technologies (3ict), pp. 1-6, 2020.
DOI: [10.1109/3ICT51146.2020.9311981](https://doi.org/10.1109/3ICT51146.2020.9311981)
20. Nouf Aljuhani, Elaaf Aljohani, Raghad Alharbi, Rasha Almutairi, Maram Meccawy, "Investigating The Lack Of Utilization Of Information And Communication Technologies In Saudi Schools", 2020 21st International Arab Conference On Information Technology (Acit), pp. 1-7, 2020.
DOI: [10.1109/ACIT50332.2020.9300058](https://doi.org/10.1109/ACIT50332.2020.9300058)
21. Kholood M. Almotairi, Salha Abdullah, Maram Meccawy, "The Effect Of Gamification On Students Engagement: A Preliminary Study", Proceedings Of The 4th International Gamifin Conference, Levi, Finland, April 1-3, 2020, 2020.
22. Samah Anwar Abbas, Hajar Mohammed, Laila Almalki, Maryam Hassan, Maram Meccawy, "A Safety Tracking And Sensoring System For School Buses In Saudi Arabia", Periodicals Of Engineering And Natural Sciences (Pen), vol: 7, pp. 500, 2019.
DOI: [10.21533/pen.v7i2.542](https://doi.org/10.21533/pen.v7i2.542)
23. Khadijah Alzahrani, Maram Maccawy, "A Hybrid Personalization Model For Searching Multiple Moocs", 12th International Conference On Open Learning And Education Technologies 2019, 2019.
24. Wala A. Bagunaid, Maram Meccawy, Arwa Allinjaw, Zilal Meccawy, "The Impact Of Gamification On Self-Assessment For English Language Learners In Saudi Arabia", International Journal Of Educational And Pedagogical Sciences, 2019.
25. Mashael Almeatani, Haya Alotaibi, Eman Alasmari, Maram Meccawy, Banan Alghamdi, "Thesis Supervision Mobile System For Enhancing Student - Supervisor Communication", International Journal Of Interactive Mobile Technologies (Ijim), 2019.

Publications.

26. Maram Meccawy, Amani Alalasi, Deemah Alsaud, Maha Almoudi, Mashael Alessa, Muneera Alyami, Nuha Alsheikh, "The Graduate Helper: Using A Mobile Application As A Feasible Resource For Job Hunting Across Saudi Arabia", International Journal Of Interactive Mobile Technologies (Ijim), 2018.
27. Maram Meccawy, "The Brilliant Scheduler: Automated Scheduling System For Video Conferencing Courses", Computer And Information Science, vol: 11, pp. 82, 2018.
DOI: [10.5539/cis.v11n3p82](https://doi.org/10.5539/cis.v11n3p82)
28. Khulood Aljuhani, Marwa Sonbul, Mashail Althabiti, Maram Meccawy, "Creating A Virtual Science Lab (Vsl): The Adoption Of Virtual Labs In Saudi Schools", Smart Learning Environments, vol: 5, 2018.
DOI: [10.1186/s40561-018-0067-9](https://doi.org/10.1186/s40561-018-0067-9)
29. Sahar Ahmed Al-Dhaheri, Amal Alhassan, Weam Alazahrani, Khadijah Alfadli, Dr.Maram Meccawy, "Mobile Smart Emergency Response System For Jeddah City", International Journal Of Computers & Technology, 2017.
30. Meccawy, M., Alshehri, S., Alshuib. B., "The Food Detective: A Personalized Mobile Application For Health Tracking", International Journal Of Information Technology And Management Information Systems (Ijitmis). Volume 8, Issue 3, 2017.
31. Mutahar, A., Almotairi, K., Almalki, M., Alshareef, T., Meccawy, M., "A Smart Street Light System For Jeddah City", International Journal Of Advance Research In Engineering Science And Technology 4(9), 2017.
32. AlQulaity, M., Bajaber, W., Ashi, A., and Meccawy, M., "A Multi-Modal Journey Planner To Manage Transportation In Jeddah", International Journal Of Advance Research In Engineering Science And Technology 4(7), 2017.
33. Ahlam AlHarbi, Bashayer AlOtaibi, Maram Baatya, Zubaida Jastania, Maram Meccawy, "A Smart Parking Solution For Jeddah City", International Journal Of Computer Applications, vol: 171, pp. 4-9, 2017.
DOI: [10.5120/ijca2017915084](https://doi.org/10.5120/ijca2017915084)
34. Nada Alrehaili, Yasmeen Almutairi, Manal Alasmari, Abeer Assiry, Dr. Maram Meccawy, "A Unified E-Government Service - An Essential Component Of A Smart City", Iarjset, vol: 4, pp. 1-4, 2017.
DOI: [10.17148/IARJSET.2017.4701](https://doi.org/10.17148/IARJSET.2017.4701)
35. Maram Meccawy, "Raising A Programmer: Teaching Saudi Children How To Code", International Journal Of Educational Technology, [S.L.], V. 4, N. 2, P. 56-65, Sep. 2017. Issn 2476-0730, 2017.
36. Walaa Bajunaid, Maram Meccawy, "How To Utilize Big Data For Business Intelligence In The Stock Market", International Journal Of Computer Applications, vol: 166, pp. 13-16, 2017.
DOI: [10.5120/ijca2017914112](https://doi.org/10.5120/ijca2017914112)
37. Samar Alamri, Dr. Maram Meccawy, Bushra Khoja, Hasnaa Bakhribah, "Learning Anytime, Anywhere: Benefits And Challenges Of M-Learning Through The Cloud", Iarjset, vol: 4, pp. 37-41, 2017.
DOI: [10.17148/IARJSET.2017.4508](https://doi.org/10.17148/IARJSET.2017.4508)
38. Hala Obeidat, Maram Meccawy, Peter Blanchfield, "Authoring For Adaptive Web-Based Learning Systems: A Case Study", International Journal Of Emerging Technologies In Learning (Ijet), vol: 4, 2009.
DOI: [10.3991/ijet.v4s2.920](https://doi.org/10.3991/ijet.v4s2.920)
39. Maram Meccawy, Peter Blanchfield, Helen Ashman, Tim Brailsford, Adam Moore, "Whurle 2.0: Adaptive Learning Meets Web 2.0", vol: 5192, pp. 274-279, 2008.
DOI: [10.1007/978-3-540-87605-2_30](https://doi.org/10.1007/978-3-540-87605-2_30)
40. Meccawy, M., and Blanchfield, P., "Combining Adaptive And Collaborative Learning: A Case Study", Proc. Of The Igacle Workshop: Individual And Group Adaptation In Collaborative Learning Environments Workshop At Ec-Tel 08: 3rd European Conference On Technology-Enhanced Learning. Maastricht, The Netherlands, September 16-19. 2008, 2008.

Publications.

41. Rey López, M., Brusilovsky, P., Meccawy, M., Díaz Redondo, R., Fernández Vilas, A., and Ashman, H, "Resolving The Problem Of Intelligent Learning Content In Learning Management Systems", International Journal On E-Learning, 2007.
42. 6. Meccawy, M., Brusilovsky, P., Ashman, H., Yudelso, M. and Scherbinina, O, "Integrating Interactive Learning Content Into An Adaptive E-Learning System: Lessons Learned", Proc. Of The World Conference On E-Learning In Corporate, Government, Health Care, & Higher Education (E-Learn 2007). Quebec City, Canada Oct. 15-19. 2007., 2007.
43. Maram Meccawy, "Meccawy, M. Whurle 2.0: An Adaptive Web Service E-Learning Environment For The Web", Proc. Of The Saudi Innovation Conference (Sic 2007), Newcastle Upon Tyne, Uk May 11-12. 2007, 2007.
44. Maram Meccawy, Craig D. Stewart, Helen Ashman, "Adaptive Educational Hypermedia Interoperability And Content Creation With A Web Service-Based Architecture", International Journal Of Learning Technology, vol: 3, pp. 269, 2007.
DOI: [10.1504/IJLT.2007.015445](https://doi.org/10.1504/IJLT.2007.015445)
45. Meccawy, M., Stewart, C., and Ashman, H., "Adaptive Educational Hypermedia Content Creation: A Web Service Based Architecture", : Proc. Of The Adaptive Hypermedia (Ah2006) Workshop On Authoring For Adaptive Hypermedia, 2006.
46. M. Meccawy, I. Celik, A. Cristea, C. Stewart, H. Ashman, "Interoperable Adaptive Educational Hypermedia: A Web Service Definition", Sixth Ieee International Conference On Advanced Learning Technologies (Icalt'06), pp. 639-641, 2006.
DOI: [10.1109/ICALT.2006.1652522](https://doi.org/10.1109/ICALT.2006.1652522)