Mohammad Aftab Alam Khan

Lecturer:

Personal Data

Nationality | Indian
Date of Birth | 4th November 1982
Department | Computer Science
Official IAU Email | mkhan@iau.edu.sa
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Language Proficiency

Language	Read	Write	Speak
Arabic	✓		
English	✓	✓	✓
Urdu	✓	✓	✓
Hindi	✓	✓	✓

Academic Qualifications (Beginning with the most recent)

Year	Academic Degree	Place of Issue	Address
2012	Master of Technology in Electronics and Communication Engineering	India	Maharshi Dayanand University, India
2009	Master of Technology in Electronics and Telecommunication Engineering	India	JRN Rajasthan Vidyapeeth University, India
2005	Bachelor of Technology in Electronics and Communication Engineering	India	Uttar Pradesh Technical University, India

PhD, Master, or Fellowship Research Title: (Academic Honors or Distinctions)

Master	Performance Evaluation of MIMO Space-Frequency Block Coded OFDM Using Different Equalizers

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Lecturer	Department of Computer Engineering College of Computer Science & Information Technology, IAU	Dammam, Saudi Arabia	Present
Assistant Professor	IIMT Engineering College Department of Electronics & Communication Engineering, UPTU	Meerut, India	2006 – 2011

Scientific Achievements: Published Refereed Scientific Research

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Mohammed Gollapalli, Atta Rahman, Mariam Alkharraa, Linah Saraireh, Dania AlKhulaifi, Asiya Abdus Salam, Gomathi Krishnasamy, Mohammad Aftab Alam Khan, Mehwash Farooqui, Maqsood Mahmud and Rehan Hatab	SUNFIT: A Machine Learning-Based Sustainable University Field Training Framework for Higher Education	MDPI, Sustainability, Vol. 15, No. 10, May 2023. DOI: 10.3390/su15108057 **[Q1, Scopus, WoS]**
2	Mohammed Imran Basheer Ahmed, Rim Ali Zaghdoud, Mohammed Salih Ahmed, Mousa Alrabeea, Abdullatif Alsuwaiti, Nawaf Alzaid, Ahmed Alyousef, Mohammad Aftab Alam Khan, Atta-ur Rahman, Sghaier Chabani, Gomathi Krishnasamy, Abdullah Alturkey	Intelligent Directional Survey Data Analysis to Improve Directional Data Acquisition	Mathematical Modelling of Engineering Problems (MMEP), Vol. 10, No. 2, pp. 482-490, April 2023 DOI: 10.18280/mmep.100214 **[Q2, Scopus]**
3	Mohammed Gollapalli, Sheriff A. Kudos, Mustafa A. Alhamad, Abdullah A. Alshehri, Hamad S. Alyemni, Mustafa O. Alali, Rami M.Mohammad, **Mohammad Aftab Alam Khan**, Mamoun M. Abdulqader, Khalid M. Aloup	Machine Learning Models Towards Prediction of COVID and Non-COVID 19 Patients in the Hospital's Intensive Care Units (ICU)	Mathematical Modelling of Engineering Problems (MMEP), Vol. 9, No. 6, pp. 1471-1480, December 2022 DOI: 10.18280/mmep.090605 **[Q2, Scopus]**

4	Atta-ur-Rahman, Munir Ahmed, Gohar Zaman, Tahir Iqbal, **Muhammed Aftab Alam Khan**, Mehwash Farooqui, Mohammed Imran Basheer Ahmed, Mohammed Salih Ahmed, Majd Nabeel and Abdullah Omar	Geo-Spatial Disease Clustering for Public Health Decision Making	Informatica, Vol 46, No 6, pp. 21-31, August 2022 DOI: 10.31449/inf.v46i6.3827 **[Scopus]**
5	Atta-ur Rahman, Dhiaa Musleh, Majed Nabil, Haya Alubaidan, Mohammed Gollapalli, Gomathi Krishnasamy, Dakheel Almoqbil, **Mohammad Aftab Alam Khan,** Mehwash Farooqui, Mohammed Imran Basheer Ahmed, Mohammed Salih Ahmed, Maqsood Mahmud	Assessment of Information Extraction Techniques, Models and Systems	Mathematical Modelling of Engineering Problems (MMEP), Vol. 9, No. 3, pp. 683-696, July 2022 https://doi.org/10.18280/mmep.090315 **[Q2, Scopus]**
6	Mohammed Gollapalli, Atta-ur-Rahman, Dhiaa Musleh, Nehad Ibrahim, Muhammad Adnan Khan, Sagheer Abbas, Ayesha Atta, **Muhammad Aftab Khan,** Mehwash Farooqui, Tahir Iqbal, Mohammed Salih Ahmed, Mohammed Imran B. Ahmed, Dakheel Almoqbil, Majd Nabeel and Abdullah	A Neuro-Fuzzy Approach to Road Traffic Congestion Prediction	Computers, Materials and Continua (CMC), vol. 72, no. 3, pp. 1-16, May 2022 DOI: 10.32604/cmc.2022.027925 **[Q1, Scopus]**
7	Mehwash Farooqui, Hina Gull, Mahira Ilyas, Sardar Zafar Iqbal, **Mohammad Aftab Alam Khan**, Gomathi Krishna, Mohammed Salih Ahmed	Improving Mental Healthcare Using a Human Centered Internet of Things Model and Embedding Homomorphic Encryption Scheme for Cloud Security	Journal of Computational and Theoretical Nanoscience, May 2019 DOI: https://doi.org/10.1166/jctn.2019.8149 **[Scopus]**
8	Dilek Dustegor, Mehwash Farooqui, **Mohammad Aftab Alam Khan**	Fostering Higher Cognitive Skills Through Design Thinking in DigitalHardware Course: A Case Study	ICIC Express Letters, April 2019 DOI: 10.24507/icicel.13.10.891. **[Q3, Scopus]**

9	M. Z. Muzaffar, I. M. Qureshi, A. Rahman, F. A. Alhaidari, **Mohammed Aftab Alam Khan**, K. Sultan	Compressed Sensing for Security and Payload Enhancement in Digital Audio Steganography	Journal of Information Hiding and Multimedia Signal Processing, November 2018
10	Atta-ur-Rahman, Aghiad Bakry, Kiran Sultan, **Mohammad Aftab Alam Khan**, Mehwash Farooqui, Dhiaa Musleh	Clinical Decision Support System in Virtual Clinic	Journal of Computation and Theoretical Nanoscience, October 2018 DOI: https://doi.org/10.1166/jctn.2018.7313 **[Scopus]**
11	Atta-ur-Rahman, Kiran Sultan, Sujata Das, **Mohammed Aftab Alam Khan**	Management of Resource Usage in Mobile Cloud Computing	International Journal of Pure and Applied Mathematics, July 2018 **[Scopus]**
12	Abdullah Alqahtani, Nahier Aldhafferi, Atta-ur-Rahman, Kiran Sultan, **Mohammad Aftab Alam Khan**	Adaptive Communication: A Systematic Review	Journal of Communications, July 2018
13	**Mohammad Aftab Alam Khan**, A.A.S. Qureshi, Mehwash Farooqui	Double Security of RFID Credit Cards	International Journal of Computer Sciences and Engineering, May 2017
14	**Mohammad Aftab Alam Khan**, Mehwash Farooqui, Ishan Budhiraja	Performance Analysis of SFBC OFDM System with Frequency Domain Equalization	International Journal of Scientific & Engineering Research, November 2012
15	I. Budhiraja, **Mohammad Aftab Alam Khan**, Mehwash Farooqui	Multi-Band Stacked Microstrip Patch Antenna For Wireless Applications	Journal of Telecommunications, October 2012
16	**Mohammad Aftab Alam** Khan, Mehwash Farooqui	Error Probability of RS Code Over Wireless Channel	International Journal of Electronics Engineering, December 2011
17	Mehwash Farooqui, **Mohammad Aftab Alam Khan**, R. P. Singh, D. Kumar	Error Performance of Space Time Trellis Codes Over Rayleigh Fading Channels	VSRD International Journal of Electrical, Electronics & Communication Engineering, August 2011
18	R. P. Singh, **Mohammad Aftab Alam Khan**, Mehwash Khan, Neha Singh	Spread Spectrum Image Steganography in Multimedia Messaging Service of Mobile phones	International Journal of Electronics Engineering, December 2010

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Date of Publication
1	**Mohammad Aftab Alam Khan**, Atta Rahman, Hussam Ziad, Mohammad Aljebali, Abdulrahman Aljallal, Ahmad Jabali, Mustafa Youldash, Mehwash Farooqui	ML Based Prediction of Ideal Discipline for UG Students: A Sustainable Educational Perspective	6th Equal Opportunities Conference "Sustainable Leadership and Technology Innovation Management" February 06-08, 2023 Manama, Bahrain **[Scopus]**
2	Sunday O. Olatunji, Mehwash Farooqui, Munirah Alsaeed, Rana Alqahtani, Fatimah Alqassab, Maria Alghamdi, Fay Alshammari, Aisha Alansari, **Mohammad Aftab Alam Khan**, Mohammed Salih Ahmed, Jamal Alhiyafi	Preemptive Diagnosis of Hepatitis C Using Machine Learning Techniques: A Retrospective Study in Saudi Arabia	International Conference on Smart Computing and Application (ICSCA2023), February 5-6, 2023, University of Ha'il, KSA. **[Scopus]**
3	**Mohammad Aftab Alam Khan**, Mohammad Alsawwaf, Basheer Arab, Mohammed AlHashim, Faisal Almashharawi, Omran Hakami, Sunday O Olatunji, Mehwash Farooqui	Road Damages Detection and Classification using Deep Learning and UAVs	2nd Asian IEEE Conference on Innovation in Technology (ASIANCON), August 26-28, 2022 DOI: 10.1109/ASIANCON55314.2022.9909043 **[Scopus]**
4	Atta-ur-Rahman, Nehad M. Ibrahim, **Mohammed Aftab A. Khan**, Sghaier Chabani, Sujata Dash	Cloud-based Smart Grids: Opportunities and Challenges	BITMDM'21, India, December 20-21, 2021 DOI: 10.1007/978-981-16-8739-6_1 **[Scopus]**
5	**Mohammad Aftab Alam Khan**, Maryam AlAyat, Jumana AlGhamdi, Shahad Mohammed AlOtaibi, Maha AlZahrani, Malak AlQahtani, Atta-ur-Rahman, Mona Altassan, Farmanullah Jan	WeScribe: An Intelligent Meeting Transcriber and Analyzer Application	3rd International Springer Conference on Computing Communication and Cyber Security, India, October 30-31, IC4S-2021 DOI: 10.1007/978-981-19-1142-2_59 **[Scopus]**
6	Jamal Alhiyafi, Atta-ur-Rahman, Fahd Abdulsalam Alhaidari, **Mohammad Aftab Alam Khan**	Automatic Text Categorization Using Fuzzy Semantic Network	(2019) 1st International Conference on Smart Innovation, Ergonomics and Applied Human Factors (SEAHF), Madrid, Spain, January 22-24, 2019 DOI: 10.1007/978-3-030-22964-1_3 **[Scopus]**

7	Hina Gull, Mehwash Farooqui, Mahira Ilyas, Sardar Zafar Iqbal, **Mohammad Aftab Alam Khan**, Gomathi Krishna, Ummer Ammara Shaique	Impact of Social Media on Emotional State of Saudi Female Millennials in Eastern Province of Saudi Arabia	(2018) The 5th Annual Conference on Computational Science and Computational Intelligence (CSCI'18), Las Vegas, USA, Dec. 13 – 15, 2018. DOI: 10.1109/CSCI46756.2018.00243 **[Scopus]**
8	Muhammad Azam, Atta ur Rahman, Kiran Sultan, Sujata Dash, Sundas Naqeeb Khan, **Mohammad Aftab Alam Khan**	Automated Testcase Generation and Prioritization Using GA and FRBS	Second International Conference, ICAICR 2018 Shimla, India, July 14-15, 2018. DOI: https://doi.org/10.1007/978-981-13-3140-4_52 **[Scopus]**

Membership of Scientific and Professional Societies and Organizations

#	Organization	Type
1	Computer Science Teachers Association (CSTA)	Member
2	International Association of Computer Science and Information Technology (IACSIT)	Member

Teaching Activities: Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Electronics	CS 222	3 hours theory + 2 hours lab
2	Digital Hardware	CS 314	2 hours theory + 2 hours lab
3	Introduction to Computing	CS 211	2 hours theory + 2 hours lab
4	Computer Organization	CS 414	2 hours theory + 2 hours lab
5	Physics	PHY 212	4 hours theory
6	Fundamentals of Programming	CS 221	2 hours lab
7	Project Proposal	ARTI 511	2 hours
8	Project Implementation	ARTI 521	2 hours

Administrative Responsibilities, Committee and Community Service
(Beginning with the most recent)

#	From	To	Position	Organization
1	October 2022	Present	Member	Scientific Research Unit
2	October 2020	Present	Member	AI Program Quality Unit
3	October 2020	October 2021	Member	AI Curriculum
4	October 2020	October 2021	Member	Practical Teaching Committee

5	October 2019	June 2020	Member	CS Curricular Unit
6	October 2019	June 2020	Member	Scientific Research Unit
7	September 2017	June 2020	Member	Student Advising Unit
8	January 2016	June 2016	Member	Teaching and Learning Unit
9	January 2015	June 2015	Member	COOP Committee
10	September 2013	June 2014	Member	Library Committee

Workshops/Conferences Attended

1. Webinar: "Modern Phishing Defense", Saudi Aramco Cybersecurity Chair, College of Computer Science, and Information Technology (CCSIT), IAU, 12th February 2023.
2. Workshop: "Item Bank", The Centre for Quality of Assessment and Examinations, IAU, 13th December 2022.
3. Lecture Series: "The Art and Science of Fuzzing", Saudi Aramco Cybersecurity Chair, IAU, 25th October 2022
4. Symposium: "Tips and Best Practice to Get Published from IEEE Editors", IEEE, 30th March 2022
5. Webinar: "MATLAB & Simulink MENA Academic Forum 2022", MathWorks, 28th March 2022
6. Winter School: "Advances in Deep Learning for Multimedia Signal Processing" jointly organized by IEEE Signal Processing Society GS, IEEE Computer Society GS, IEEE Geoscience & Remote Sensing Society GS in association with IEEE SCET Student Branch arranged during 3rd to 5th March 2022
7. Symposium: "High Impact Educational Practices" organized by King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia, 15-16th February 2022.
8. Lecture Series: "Cyber Security of Industrial Control Systems - Challenges and Research Directions", Saudi Aramco Cybersecurity Chair, IAU, 1st February 2022
9. Lecture Series: "Integrating Machine Learning and Cyber Security with Applications in Internet of Transportation and Infrastructures", Saudi Aramco Cybersecurity Chair, IAU, 23rd November 2021
10. Workshop: "Constructive Alignment" organized by the Centre for Quality of Assessment and Examinations, Vice Presidency for Academic Affairs, Imam Abdulrahman Bin Faisal University, 2nd November 2021.
11. Workshop: "Publishing Letters/Short Papers in IEEE Journals", Ubiquitous Broadband Access Network (U-BAN) Research Group, 29th June 2021
12. Training: "Project Based Learning for the Classroom" organized by Deanship of Academic Development, Imam Abdulrahman Bin Faisal University, 2nd November 2020.
13. Training: "Boosting Student Engagement and Interaction in the Classroom" organized by Deanship of Academic Development, Imam Abdulrahman Bin Faisal University, 26th October 2020.
14. Workshop: Assessing Projects and Labs organized by Deanship of Academic Development, Imam Abdulrahman Bin Faisal University, 5th February 2019.
15. Workshop: "Assigning Projects and Labs" organized by Deanship of Education Development, Imam Abdulrahman Bin Faisal University, 28th February 2017.

16. Workshop: "Say it Like You Mean it: Communication Skills for Instructors" organized by Deanship of Education Development, Imam Abdulrahman Bin Faisal University, 21st February 2017.

17. Workshop: "Writing Research Article" organized by Deanship of Library Affairs, Imam Abdulrahman Bin Faisal University, 27th December 2016.

18. Workshop: "Constructing Multiple Choice, Open-Ended Items for HOTS & Rubrics for Multiple Instructions" organized by Deanship of Education Development, UoD, 6th December 2016.

19. Workshop: "Learning outcomes for programs and courses" organized by Deanship of Education Development, UoD, 29th March 2016.

20. Workshop: "Providing a Constructive Feedback" organized by Deanship of Education Development, UoD, 9th February 2016.

21. Workshop: "Enhance Learning through the use of Technology" organized by Deanship of Academic Development, UoD, 26th January 2016.

22. "Interactive Teaching and Students Engagement" organized by Deanship of Education Development, UoD, 6th October 2015.

23. Workshop: "The Well-Structured Classroom" organized by Deanship of Education Development, UoD, 19th August 2015.

24. Workshop: "Using Action Research in Assessment" organized by Deanship of Education Development, UoD, 18th August 2015.

25. Workshop: "Analyzing and Reading Test's Results" organized by Deanship of Education Development, UoD, 27th May 2014.

26. Workshop: "Student Leaning Outcomes" organized by Deanship of Education Development, UoD, 11th March 2014.

27. Workshop: "Advance Teaching Strategies in Higher Education" organized by Deanship of Education Development, UoD, 30th April – 1st May 2014.

28. Workshop: "Developing Core Competencies in Teaching and Learning in Higher Education" organized by Deanship of University Development, UoD, 24th Dec 2013.

29. Workshop: "E-Resource Workshop on ISI Web of Knowledge and EndNote Web" organized by Deanship of Library Affairs, UoD, 2nd March 2013.

30. Workshop: "Strategies for Improving Research Outcome" organized by Deanship of Scientific Research, UoD, on 15th Sep - 17th Sep 2012.

31. Workshop: "Application of MATLAB in Signal Processing & Wireless Communication" organized by KIET, INDIA, on 19th February 2011.

32. Seminar: "Learning Outcomes for Programs and Courses" organized by Deanship of Academic Development, UoD, 5th May 2015.

33. Seminar: "Seminar on ABET Accreditation" organized by ABET Committee, UoD, 14th April 2015.

34. Seminar: "Alternative & Effective Assessment Methods" organized by Deanship of Academic Development, UoD, 10th March 2015.

35. Seminar: Attended webinar titled "Student Engagement" organized by Deanship of Education Development, University of Dammam, 11th March 2014.

36. Seminar: Attended seminar titled "Information Mobility and Enterprise Transforms" organized by College of Computer Engineering and Science, Prince Mohammad Bin Fahd University, 17th February 2014.

37. Seminar: Attended a seminar titled "Hacking with Malwares" organized by College of Computer Science and IT, UoD, on 1st January 2013.

38. Conference: Attended national conference titled "Advancement of Electronics & Communication Technology and Engineering" organized by IIMT College of Engineering, Grater Noida, INDIA, on 17th Feb - 18th February 2011.

39. Workshop: Application of MATLAB in Signal Processing & Wireless Communication held on 19th February 2011 at KIET, Ghaziabad.

40. Conference: Advancement of Electronics & Communication Technology and Engineering held on 17th & 18th February 2011 at IIMT College of Engineering, Grater Noida.

41. Workshop: Recent Trend in Image Processing held on 23rd October, 2010 at Shobhit University, Meerut.

42. Seminar: HR Strategies for new Millennium held on 1st June 2009 at IIMT Management College, Meerut.

43. Workshop: GNU/LINUX Open-Source Software Workshop held on 4th August, 2008 at IIMT Engineering College, Meerut.

44. Short Term Program: Optical Fiber Technology held from 8th January to 12th January 2007 at NITTTR, Chandigarh.

Last Update

June 2023