



Mehwash Farooqui

Lecturer:

Personal Data

Nationality | Indian
Date of Birth | 27th October 1985
Department | Computer Science
Official IAU Email | mfarooqui@iau.edu.sa
Office Phone No. | +133332027

Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2011	Master of Technology in Communication Engineering	India	Shobhit 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	Error Performance of Space Time Trellis Codes Over Rayleigh Fading Channel (Gold Medalist)
--------	--



Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Lecturer	Department of Computer Science, College of Computer Science & Information Technology, IAU Dammam, KSA	Present
Assistant Professor	IIMT Engineering College, Department of Electronics & Communication Engineering, UPTU Meerut, India	2007 - 2011
Lecturer	Roorkee Institute of Technology, Department of Electronics & Communication Engineering, UPTU Roorkee, India	2005 - 2007

Research Award:

Received Research Award from the president of the Imam Abdulrahman Bin Faisal University in recognition of exceptional research contribution at college with a publication in receiving the 2nd highest impact factor journal and cite-score journal throughout the year 2021.

Scientific Achievements: Published Refereed Scientific Research

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Mehwash Farooqui , Atta-ur Rahman, Roaa Alorefan, Mariam Alqusser, Lubna Alzaid, Sara Alnajim and Amal Althobaiti “Food Classification using Deep Learning: Presenting a New Food Segmentation Dataset,	Food Classification using Deep Learning: Presenting a New Food Segmentation Dataset	Mathematical Modelling of Engineering Problems. [Accepted Q2, Scopus] (In processing)
2	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]



3	Sunday O. Olatunji, Aisha Alansari, Heba Alkhorasani, Meelaf Alsubaii, Rasha Sakloua, Reem Alzahrani , Yasmeen Alsaleem, Mona Almutairi, Nada Alhamad, Albandari Alyami, Zainab Alshobbar, Reem Alassaf, Mehwash Farooqui ,and Mohammed Imran Basheer Ahmed	A Novel Ensemble-Based Technique for the Preemptive Diagnosis of heumatoid Arthritis Disease in the EasternProvince of Saudi Arabia Using Clinical Data	Hindawi Computational and Mathematical Methods in Medicine, September 2022. DOI: https://doi.org/10.1155/2022/2339546 [Q1, WOS & Scopus]
4	Sunday O. Olatunji , Aisha Alansari , Heba Alkhorasani, Meelaf Alsubaii, Rasha Sakloua, Reem Alzahrani , Yasmeen Alsaleem, Reem Alassaf, Mehwash Farooqui , Mohammed Imran Basheer Ahmed, and Jamal Alhiyafi	Preemptive Diagnosis of Alzheimer’s Disease in the Eastern Province of Saudi Arabia Using Computational Intelligence Techniques	Computational and Mathematical Methods in Medicine, August 2022. DOI: https://doi.org/10.1155/2022/5476714 [Q1, WOS & Scopus]
5	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]
6	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 Vol. 9, No. 3, July, 2022, pp. 683-696. DOI: https://doi.org/10.18280/mmep.090315 [Q2, Scopus]
7	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,	A Neuro-Fuzzy Approach to Road Traffic Congestion Prediction	Computers, Materials & Continua Tech Science Press, May 2022. DOI: 10.32604/cmc.2022.027925 [Q1, Scopus]



	Mohammed Imran B. Ahmed Dakheel Almoqbil, Majd Nabeel and Abdullah Omer		
8	Abdullah Almurayh, Ohoud Alshaeri, Noor Alghadeer, Reema Alyousef, Rayana Alshehri, Sukaina Alhajri, and Mehwash Farooqui	IoQZ: An Implementation of a Quiet Zone	IEEE Internet of Things Journal, Vol. 8, No. 20, pp. 1-10, November 2021. DOI: 10.1109/JIOT.2021.3116159 [Q1, IF=9.5, WOS & Scopus]
9	Mohammed Imran Basheer Ahmed, Atta-ur Rahman, Mehwash Farooqui , Fatimah Alamoudi, Raghad Baageel, Amjad Alqarni	Early Identification of COVID-19 Using Dynamic Fuzzy Rule Based System	Mathematical Modelling of Engineering Problems, Vol. 8, No. 5, pp. 805-812, October 2021. DOI: https://doi.org/10.18280/mmep.080517 . [Q2, Scopus]
10	Sunday O. Olatunji, Sarah Alotaibi, Ebtisam Almutairi, Zainab Alrabae, Yasmeen Almajid, Rahaf Altabee, Mona Altassan, Mohammed Imran Basheer Ahmed, Mehwash Farooqui , Jamal Alhiyafi	Early diagnosis of thyroid cancer diseases using computational intelligence techniques: A case study of a Saudi Arabian dataset	Elsevier, Computers in Biology and Medicine Volume 131, February 2021. DOI: https://doi.org/10.1016/j.combiomed.2021.104267 . [Q1, WOS & Scopus]
11	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]
12	Dilek Dustegor, Mehwash Farooqui , Mohammad Aftab Alam Khan	Fostering Higher Cognitive Skills Through Design Thinking in Digital Hardware Course: A Case Study	ICIC Express Letters, April 2019. DOI: 10.24507/icicel.13.10.891. [Q3, Scopus]
13	A. Rahman, A. Bakry, K. Sultan, Mohammad Aftab Alam Khan, Mehwash Farooqui , D. Musleh	Clinical Decision Support System in Virtual Clinic	Journal of Computation and Theoretical Nanoscience, vol. 15, pp. 1795-1804, October 2018. DOI: https://doi.org/10.1166/jctn.2018.7313 [Scopus]



14	Mohammad Aftab Alam Khan, A.A.S. Qureshi, Mehwash Farooqui	Double Security of RFID Credit Cards	International Journal of Computer Sciences and Engineering vol. 5 Issue 5, pp.42-44, May 2017 (ISSN No: 2347-2693)
15	Mohammad Aftab Alam Khan, Mehwash Farooqui , I. Budhiraja	Performance Analysis of SFBC OFDM System with Frequency Domain Equalization	International Journal of Scientific & Engineering Research, Vol.3, Issue 11, pp. 1-5, November 2012 (ISSN 2229-5518)
16	I. Budhiraja, Mohammad Aftab Alam Khan, Mehwash Farooqui	Multi-Band Stacked Microstrip Patch Antenna For Wireless Applications	Journal of Telecommunications, Vol.16, Issue 2, pp. 8-11, October 2012 (ISSN 2042-8839)
17	Mohammad Aftab Alam Khan, Mehwash Farooqui	Error Probability of RS Code Over Wireless Channel	International Journal of Electronics Engineering vol. 3 Issue 2, pp.299–303, December 2011 (ISSN No: 0973-7383).
18	Mehwash Farooqui , Mohammad Aftab Alam Khan, R. P. Singh, D. Kumar	Error Performance of Space Time Trellis Codes Over Rayleigh Fading Channels	International Journal of Electrical, Electronics & Communication Engineering, Vol. 1(6), pp. 333-341, August 2011(ISSN No: 2231-3346).
19	R. P. Singh, Mohammad Aftab A. Khan, Mehwash Farooqui , Neha Singh	Spread Spectrum Image Steganography in Multimedia Messaging Service of Mobile phones	International Journal of Electronics Engineering vol. 2 Issue 2, pp.365–369, December 2010 (ISSN No: 0973-7383).

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Date of Publication
1	Sunday O. Olatunji, Mehwash Farooqui , Munirah Alsaheed, 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	International Conference on Smart Computing and Application (ICSCA2023), February 5-6, 2023, University of Ha'il, KSA. [Scopus]
2	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	6 th Equal Opportunities Conference, Sustainable Leadership and Technology Innovation Management” February 06-08, 2023, Manama, Bahrain [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	2 nd Asian IEEE Conference on Innovation in Technology (ASIANCON), August 26-28, 2022 DOI:10.1109/ASIANCON55314.2022.9909043 [Scopus]
4	Sunday O. Olatunji , Aisha Alansari , Heba Alkhorasani , Meelaf Alsubaii , Rasha Saklouna , Reem Alzahrani , Yasmeen Alsaleem , Reem Alassaf , Mehwash Farooqui , Mohammed Imran Basheer Ahmed	Machine Learning Based Preemptive Diagnosis of Lung Cancer Using Clinical Data	7 th International Conference on Data Science and Machine Learning Applications (CDMA), March 2022 DOI: 10.1109/CDMA54072.2022.00024 [Scopus]
5	Mehwash Farooqui , Maha N. Aldughreer, Abeer I. Alsomali, Khadijah H. Alhyder, Sarah A. Alzayed, Nida Aslam, Mohammed D. Alahmri, Muneera A. Alhajri	A Non-invasive Device and Automated Monitoring System Using Peak Flow Meter for Asthma Patients.	(2020) The 3 rd International Conference on Computer Application & Information Security (ICCAIS), Riyadh, Saudi Arabia, March 19-21, 2020. DOI:10.1109/ICCAIS48893.2020.9096881 [Scopus]
6	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	CSCI 2018, International Conference on Computational Science and Computational Intelligence (CSCI), 13-15 December 2018, Las Vegas, NV, USA DOI: 10.1109/CSCI46756.2018.00243 [Scopus]
7	Nasor M. Allah, Mehwash Farooqui , Abrar Alwashmi, Sara Almahasheer, Malak Alsufayyan, and Najla Altulaihan	Smart Monitoring of Water Tanks	CSCI 2018, International Conference on Computational Science and Computational Intelligence (CSCI), 13-15 December 2018, Las Vegas, NV, USA DOI: 10.1109/CSCI46756.2018.00203 [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	Computer Organization	CS-414	2 hours theory + 2 hours lab
4	Project Proposal	ARTI 511	2 hours
5	Project Implementation	ARTI 521	2 hours

Administrative Responsibilities, Committee and Community Service

(Beginning with the most recent)

#	From	To	Position	Organization
1	October 2021	Present	Chair	AI Program Quality Unit
2	October 2020	October 2021	Member	AI Program Quality Unit
3	October 2020	October 2021	Member	AI Curriculum
4	October 2020	October 2021	Member	Practical Teaching Unit
5	October 2017	June 2019	Member	Student Advising Unit, CCSIT
6	October 2015	June 2016	Member	Exam Unit, CCSIT

Workshops/Conferences Attended

1.	Training: “Lesson planning”, The Deanship of Academic Development, IAU, 20 th December 2022
2.	Training: “Using Social Media Channels in Teaching and Learning”, The Deanship of Academic Development, IAU, 7 th December 2022
3.	Lecture Series: “The Art and Science of Fuzzing”, Saudi Aramco Cybersecurity Chair, IAU, 25 th October 2022
4.	Symposium: “Tips and Best Practice to Get Published from IEEE Editors”, IEEE, 30 th March 2022
5.	Lecture Series: “Cyber Security of Industrial Control Systems - Challenges and Research Directions”, Saudi Aramco Cybersecurity Chair, IAU, 1 st February 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 3 - 5 March 2022
7. Workshop: “Academic Supervision”, Vice-Presidency for Academic affairs represented in Student Support Initiative, IAU, 16 th November 2021
8. Workshop: "Constructive Alignment" organized by the Centre for Quality of Assessment and Examinations, Vice Presidency for Academic Affairs, Imam Abdulrahman Bin Faisal University, 2 nd November 2021.
9. Lecture Series: “Artificial Intelligence for Intrusion Detection”, Saudi Aramco Cybersecurity Chair, IAU, 3 rd May 2021
10. Training: “Preventing Faculty Burnout: Recover the Joy of Teaching”, The Deanship of Academic Development, IAU, 27 th January 2021
11. Training: “Effective Strategies for Team-Based Learning”, The Deanship of Academic Development, IAU, 1 st December 2020
12. Training: “Promoting Deep Learning in Your Classroom (SOLO) Taxonomy”, The Deanship of Academic Development, IAU, 10 th November 2020
13. Training: “Project Based Learning for the Classroom”, The Deanship of Academic Development, IAU, 2 nd November 2020
14. Training: “Boosting Student Engagement and Interaction in the Classroom” organized by Deanship of Academic Development, Imam Abdulrahman Bin Faisal University, 26th October 2020.
15. Workshop: Assessing Projects and Labs organized by Deanship of Academic Development, Imam Abdulrahman Bin Faisal University, 5th February 2019.
16. Workshop: "The Pursuit of Excellence in Mentoring in Higher Education” organized by Deanship of Educational Development, Imam Abdulrahman Bin Faisal University, 7th March 2017.
17. Workshop: "Writing Research Article” organized by Deanship of Library Affairs, Imam Abdulrahman Bin Faisal University, 27th December 2016.
18. Workshop: "Communication Skills as a Domain of Learning in National Qualification Framework” organized by Deanship of Educational Development, University of Dammam, 11th October 2016.
19. Workshop: "Instructors Oral Communication" organized by Deanship of Educational Development, University of Dammam, 19th January 2016.
20. Workshop: “Creating Media and Interactive Content” organized by Deanship of Education Development, University of Dammam, 18th January 2016.
21. Workshop: "Questioning to Develop Higher-Order Thinking Skills" organized by Deanship of Academic Development, University of Dammam, 3rd November 2015.
22. Workshop: “Interactive Teaching and Students Engagement” organized by Deanship of Education Development, University of Dammam, 6th October 2015.
23. Workshop: “Using Meta-Cognition Strategies in Classroom” organized by Deanship of Education Development, University of Dammam, 18th August 2015.
24. Seminar: “Blueprinting Process at the CCST” organized by ABET Committee, University of Dammam, 3rd April 2015.
25. Seminar: “Avoiding Common Teaching Mistakes” organized by Deanship of Academic Development, University of Dammam, 24th February 2015.
26. Lecture: “Analyzing and Reading Test's Results” organized by Deanship of Education Development, University of Dammam, 23rd December 2014.



- | |
|---|
| 27. Workshop: “Interactive Teaching and Students Engagement” organized by Deanship of Education Development, University of Dammam, 9th December 2014. |
| 28. Workshop: “Checklist of Activities Towards NCAAA Accreditation – Phase I & II” organized by Deanship of Quality and Academic Accreditation, University of Dammam, 14th October 2014. |
| 29. Seminar: “How Does the Deanship of Library Affairs Support Research and Learning in the University of Dammam” organized by Deanship of Library Affairs, University of Dammam, 25th February 2014. |
| 30. Workshop: “E-Resource ISI Web of Knowledge and EndNote Web” organized by Deanship of Library Affairs, University of Dammam, on 2nd March 2013. |
| 31. Workshop: “Blackboard Learn - Course Delivery” organized by Deanship of E-Learning & Distance Learning, University of Dammam, 25th February 2013 & 2nd March, 2013. |
| 32. Workshop: “Blackboard Learn - Collaboration Tools” organized by Deanship of E-Learning & Distance Learning, University of Dammam, 4th March 2013. |
| 33. Workshop: “Blackboard Learn - Assignment” organized by Deanship of E-Learning & Distance Learning, University of Dammam, 27th March & 8th April 2013. |
| 34. Workshop: “Blackboard Learn - Assessment” organized by Deanship of E-Learning & Distance Learning, University of Dammam, 14th April & 12th May 2013. |
| 35. Workshop: “Blackboard Learn – Grade Center” organized by Deanship of E-Learning & Distance Learning, University of Dammam, 29th May 2013. |
| 36. Workshop: “Application of MATLAB in Signal Processing & Wireless Communication held on 19th February 2011 at KIET, Ghaziabad. |
| 37. Workshop: “Recent Trend in Image Processing” held on 23rd October 2010 at Shobhit University, Meerut. |
| 38. Seminar: “HR Strategies for New Millennium” held on 1st June 2009 at IIMT Management College, Meerut. |
| 39. Workshop: “GNU/LINUX Open-Source Software” held on 4th August 2008 at IIMT Engineering College, Meerut. |

Last Update

June 2023