Dr. SHAHID NASEEM

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Research Interests

Studied and dignified computer science Assistant professor (CS&IT) with established following and thorough discipline in the practice of Artificial Intelligence programming, looking for new academic opportunities. Have been involved in the development and launch of pioneering research and interdisciplinary programs for students.

Education

2014~2017: **Ph.D (Computer Science)**

National College of Business Administration & Economics, Lahore.

Research Topic: **Self-Organizing Information Protection in Memory using Cognitive Correlates**

2011~2014: **M.Phil (Computer Science)**

National College of Business Administration & Economics, Lahore.

Research Topic: **Web Application Interoperability: Semantic Inference using Dynamic Ontologies**

2002~2004: **MCS**

College of Global Technology, Rawalpindi Affiliated with Al-Khair University, AJK.

Project Topic: **Statistical Information System for Werrick Pharmaceutical**

1993~1995: **B.Sc (Double Math, Physics)**

Punjab University, Lahore.

1990~1992: **F.Sc (Pre-Engineering)**

Board of Intermediate and Secondary Education, Lahore.

1988~1990: **Matric (Science)**

Board of Intermediate and Secondary Education, Lahore.

Work Experience

Teaching Experience

June,2025 ~ till date	Department of Information Sciences, Division of Science and Technology, University of Education, Township, Lahore **Title: Tenured Associate Professor (IT)**
Oct, 2024~ June,2025	Department of Information Sciences, Division of Science & Technology, University of Education, Township, Lahore **Title: Assistant Professor (IT)**
Jan, 2018~Oct, 2018	Department of Computer Sciences, University of Sargodha, Lahore Campus, Lahore. **Title: Assistant Professor (IT)**
Sep, 2017~ Dec, 2017	Department of Computer Sciences, Bahauddin Zakariya University, Lahore Campus, Lahore **Title: Assistant Professor (IT)**
2012~2017	Department of Humanities and Social Sciences, University College of Engineering, Sciences & Technology, Lahore Leads University, Lahore **Title: Assistant Professor (IT)**
2011~2012	Department of Civil Engineering, University of Lahore, Lahore **Title: IT-Lecturer**
2007~2011	O/O Chief Engineer (Power), Punjab Irrigation & Power Dept. **Title: System Analyst (BS-17)**
2002~2007	National Highway Authority, Islamabad **Title: Computer Operator**
Jan, 2002~ Sep, 2002	Bridge Computers **Title: Asstt. System Engineer**

Honor/Awards

2004	Get best instructor award from Chairman NHA, Islamabad, Maj. Gen. Farrukh Javed.

Training Courses

2002	Computer Hardware certification, Brain College, Lahore.
2003	MCSE certification, Global College, Islamabad.
2003	CCNA certification for router configuration, Corvit, Islamabad.

2004	Linux System Administration certification, Pakistan Computer Bureau, Islamabad.
2006	Computer & Internet Securities, Pakistan Institute of Management, Lahore.
2006	Java Script Programming certification, Pakistan Computer Bureau, Islamabad.
2006	SQL Server 2000 certification, Pakistan Computer Bureau, Islamabad.
2008	Computer Fundamental (CS-254) certification, NCSA, Denmark.
2010	SQL (CP-207) certification, NCSA, Denmark.
2010	Java Script (CP-420), NCSA, Demark.
2012	Web designing using CSS, ASP and PHP tools, Nets College, Lahore.
2020	Two-days (Jan 4-5, 2020) training on "Promotion of Peace" at UE, Township, Lahore.
2020	Two months training (Feb 14-April 14,2020) training on"Capacity Building Program for Teaching Faculty of PHEC Institutions" at Qasim Ali Shah Foundation, Lahore.

Publications

Journal Articles

1. "Graphical User Interface of Fuzzy Logic Based Distributed Flood Adaptive Control System for Agricultural Land and Power Generation in Punjab, Pakistan", Pakistan Journal of Sciences journal, Vol. 68 No. 1- March-2016('X' Category).
2. "Information Protection in Cognitive Science", IJCSNS, Vol.17, Issue.3, March-2017 ('X' Category).
3. "Enhancing Cloud Security using VKC as a Service", IJCSNS, Vol 17, Issue.6, June-2017('X' Category).
4. "Self-Enabling Vehicular Agent using Cloud and Massive Data", LGURJCSIT, Vol.1, Issue.2, 2017('Y' Category).
5. "University Information with LMS Facilities for Pupils and Lecturers in a Pin Board Android Mobile Application", IJCSNS, Vol 20, Issue 1, January, 2020('X' Category).
6. "Enhancing Security of Android Operating System Based Phones using Quantum Key Distribution", EAI Endorsed Transactions, June, 2020('Y' Category).
7. "ANFIS based Hybrid Approach Identifying Correlation between Decision Making and Online Social Networks", EAI Endorsed Transactions, July 2020('Y' Category).
8. "Security Monitoring and Management for the Network Services in the Orchestration of SDN-NFV Environment Using Machine Learning Techniques", Journal of Computing Systems Science and Engineering, March 2024('X' Category).
9. "Image Fusion Using Wavelet Transformation and XGboost Algorithm, Computers, Materials and Continua, April 2024 (X-Category).
10. "Next-Generation Human Activity Recognition Using Locality Constrained Linear Coding Combined with Machine Learning (NG-HAR-LCML)", Journal of Healthcare Technology Letters, Wiley, March 2025 (X-Category).

11. "AI in Digital Healthcare Transformation: Analysing the Impact of AI Technologies on Healthcare Service Delivery and Operational Efficiency", The Research of Medical Science Review, Dec 2025 (Y- Category).

Impact Factor Journal Papers

12. "Primary User Traffic Pattern Based Opportunistic Spectrum Handoff in Cognitive Radio Networks (IF-2.71)", Appl. Sci. MDPI, Vol 10, Issue 1674, February,2020.
13. "A secure and size efficient algorithm to enhance data hiding capacity and security of cover text by using Unicode", Journal of King Saud University Computer and Information Sciences, July 2020(IF 13.473).
14. "Prediction of COVID-19 Cases Using Machine Learning for Effective Public Health Management (IF-4.89)", Journal of Computers, Materials & Continua, January 2021.
15. "Machine Learning Empowered Security Management and Quality of Service Provision in SDN-NFV Environment (IF-4.89)", Journal of Computers, Materials & Continua, January 2021.
16. "Machine Learning Enabled Early Detection of Breast Cancer by Structural Analysis of Mammograms (IF- 4.89)", Journal of Computers, Materials & Continua, January 2021.
17. "Energy Reduction Through Memory Aware Real-Time Scheduling on Virtual Machine in Multi-Cores Server" (IF-3.367) Journal of IEEE Access, March 2021.
18. "Edge Caching in Fog-Based Sensor Networks through Deep Learning-Associated Quantum Computing Framework" (IF-4.828), Journal of Computational Intelligence and Neuroscience, Hindawi, January 2022.
19. "Trust identification through cognitive correlates with emphasizing attention in cloud robotics" (IF-3.943), Egyptian Informatics Journal, January 2022.
20. "Artificial General Intelligence-based rational behavior detection using cognitive correlates for tracking online harms" (IF-2.395), Personal and Ubiquitous Journal-Springer Nature, January 2022.
21. "InteliRank: A Four-Pronged Agent for the Intelligent Ranking of Cloud Services Based on End-Users' Feedback" (IF-3.576), Sensors-MDPI, June 2022.
22. "A Secure Method for Data Storage and Transmission in Sustainable Cloud Computing" (IF-3.86), Journal of Computers, Material and Continua, January 2023.
23. "Brain Tumor Detection and Multi-Grade Segmentation Through Hybrid Caps-VGGNet Model" (IF-3.476), Journal of IEEE Access, June 2023.
24. "DeepFert: An Intelligent Fertility Rate Prediction Approach for Men Based on Deep Learning Neural Networks" (IF-3.476), Journal of IEEE Access, June 2023.
25. "Advanced feature learning and classification of microscopic breast abnormalities using a robust deep transfer learning technique" (IF-3.304), Journal of Microscopy Research and Technique, Wiley, March 2024.
26. "Transforming educational insights: strategic integration of federated learning for enhanced prediction of student learning outcomes" (IF-3.3), The Journal of Supercomputing, Springer Nature, April 2024.
27. "Bayesian-Edge system for classification and segmentation of skin lesions in Internet of Medical Things" (IF-2.2), Skin Res. Technol. 30(8), July 2024.
28. "Predicting coronary heart disease with advanced machine learning classifiers for improved cardiovascular risk assessment" (IF-3.8), Scientific Reports. 15(13361), April 2025.
29. "A Multi-Platform Approach to Optimizing Depression Detection in Social Media Through Feature Engineering and Contextual Analysis" (IF 3.0), International Journal of Computational Intelligence Systems, Feb 2026.

Book & Book Chapters

1. "Web Application Interoperability" book published in Germany through "Lambert Publisher " on 29.3.2016 and available on www.amazon.com
2. "Habit Development Framework for Rational Behaviour Generation in Agency" published in Germany through "Lambert Publisher" on 8.7.2016.
3. "Autonomous Statistical Information System for WERRICK Pharmaceuticals" published in Germany on 1.10.2016 through Lambert Publisher.
4. "Patient Bayesian Inference: Cloud-Based Healthcare Data Analysis Using Constraint-Based Adaptive Boost Algorithm" (Book Chapter), Published by Intech Open, 2020.
5. "Cognitive Correlation for Self-Information Protection", Published by PhDians, India, 2020.
6. Book Chapter-Explainable AI in Medicine, Taylor and Francis Group (15.1.2025).
7. Privacy and trust challenges in AI renewable energy systems, Science Direct (20.3.2026).

Conference Papers

1. Participated in the 2nd International Conference, held at University of Management Technology, dated 28-29 March, 2012 as "presenter" and presents my paper regarding "Computerize Monitoring of Noise & Dust level at road crossings of Lahore".
2. "Quantum Learning for Semantic Inference using Dynamic Ontology", presented in 1st Doctoral Conference at UMT, December 07, 2013.
3. "Dynamic Ontologies Evaluation Framework using Quantum Perceptron Neural Network", presented in 9th ICOSST 2015 at UET, Lahore, December 17-19, 2015.
4. "Self-Differentiating Real-time and Synthetic Voices System", presented in 1st International Conference of Indigenous Resource Management: Challenges & Opportunities, UMSIT, Kotli, AJK, April 14-16, 2016.
5. "Strengthening the Security of Cognitive Packet Networks by Using RNN", presented in 1st National Conference of Computer Science and Information Technology 3-4, May,2017 at Lahore Garrison University, Lahore.
6. "Pakistan International Airline Revenue Optimization using Dynamic Programming for Yield Management", in 2nd National Conference of Computer Science and Information Technology, 28-29 March, 2018 at Lahore Garrison University, Lahore, Pakistan.
7. "Linear Classification of Traumatic Brain Injury using Perceptron Neural Network", 1st International Conference held at Lahore Garrison University, December 19-20, 2018.
8. "Quantum Cognitive Intrusion Detection Biometric System: a case study in Fingerprints", 1st International Conference on Science, Technology and Innovation, at Kinnaird College for Women, Lahore, April 2-4, 2019.
9. "Prospects and Development of E-learning and E-leadership", 7th International Conference of Education at Division of Education, University of Education, Lahore, April 10-11, 2919.
10. "Invited Speaker" at 2nd International Conference on Computer Science and Allied Technology, LGU, Lahore, November 27-28.2019.
11. Attending "International E-Conference on COVID-19 Global Impacts", African-British Journals, July 20-21, 2020.
12. Attending Global Summit for Java Devs' 20, geekle, August 1-2, 2020.
13. "Self-enabling Vehicular Agent using cloud and massive data", 4th National Conference on Computer Science and Information Technology, at LGU, September 23-24, 2020.
14. Attending "AWS Public Sector Summit Online, October 20, 2020.

15. "Iqbal as an Advocate of Science and Technology", 2nd International Conference on Iqbal, Bahria University, Islamabad, November 9-11, 2021.
16. "E-Seminar on Impact of COVID-19 on Educational Sectors and to Detect COVID-19 Disease using Machine learning", University of Education, Lahore, November 25, 2021.
17. "IOT- based Safety Belt Security System" 1st International Conference on Machine Perception and Artificial Intelligence (ICMPAI-2022), June 17-18, 2022.
18. "Artificial Intelligence and its Applications", Webinar-Emerging Trends in Artificial Intelligence, Islamia University, Bahawalpur, October 27,2022.
19. "Hand Written Digits Recognition and Classification using Artificial Neural Networks by implementing the techniques of MLP and SVM", 4th International Conference on Computer Science and Allied Technologies (ICCSA), Lahore Garrison University, November 15,2022.
20. "Features Based Approach for Fake News Detection on Twitter using Deep Learning" 1st International Conference IT Infrastructure and Computational Security (ITICS), LGU, Lahore, April 26-27,2023.
21. "Computing and Emerging Technologies Seminar", Superior Gold Campus, Lahore, May 26-27,2023.
22. "Image Fusion using Wavelet Transformation" 2nd International Meet and Expo on Robot Intelligence Technology and Applications (ROBOTMEET 2023) Webinar, August 18, 2023.
23. SDN-based DDoS Attacks Detection and Mitigation using NECOMATTER, VANCOUER, CANADA, November 16, 2023.
24. "Artificial General Intelligence Based Rational Behavior Detection Using Cognitive Correlates" for Tracking Online Harms, International Neurology Conference (INC 2025), Singapore, June 21,2025.
25. Cognitive Therapy to detect Mental Illness using Naïve Bayes Algorithm, ICOSST 19, UET, Lahore, December 19,2025.
26. " Artificial General Intelligence Based Rational Behavior Detection Using Cognitive Correlates for Tracking Online Harms", An International Neurology Conference 2025, Singapore, June 20-22, 2025.

Reviewer

1. Elsevier Journal since 2014
2. International Journal of Computer Sciences & IT, Lahore Garrison University since 2016.
3. Bahira University, Lahore Campus since 2017.
4. EDAS, Bahrain since 2017.
5. SN Applied Sciences, Springer Nature, 2020 (Multi-disciplinary Journal).
6. CMC-Computers, Materials & Continua (W-Category), November 2020.
7. Applied Sciences, Sustainability, MDPI, 2022.1
8. Technical Program Committee Member for the 2019 IEEE Middle East and North Africa Communications Conference (MENACOMM 2019) (IEEE MENACOMM'19), (http://www.menacomm2019.org).
9. Intelligent Automation & Soft Computing (ISSN: 2326-005X), 2021.
10. Scientific Reports Nature (SREP 2021).
11. SEISENSE Journal of Management, 2022 (www.journal.seisense.com).
12. Guest Editor: CMC Special Issue (May-2022)
13. Journal of Supercomputing- Springer Nature, March 2023.

14. Knowledge and Information Systems-SNAPP, July 2023.

Workshops

1. "Official Procedures and Practices" held at National Highway Authority under Secretariat, Islamabad, June 13-July 8, 2003.
2. "Computer Training of Focal Persons for Monitoring of Energy Billing of Punjab Government Depts" held at Government Engineering Academy, Punjab, Lahore, July 27-29, 2009.
3. "Teacher Development Program" workshop held at UCEST, Lahore Leads University, February 21, 2015.
4. "Risk Assessment and Management" held at UCEST, Lahore Leads University under Pakistan Engineering Council, March 02,2015.
5. "Inspirational Teaching" held at UCEST, Lahore Leads University, Lahore, January 23-, 2017.
6. "Strategic Planning for your organization" held at Division of Education, University of Education, Lahore, April 23,2019.
7. "Transdisciplinary Research" held at UMT, Lahore, July 17-18,2019.
8. "Promotion of Tolerance Culture", held at UE, Lahore, Jan 4-5, 2020.
9. "Capacity Building of Faculty" held at Qasim Ali Shah Foundation, Lahore, February 14, July 08,2020.
10. "Webinar Series", held at mUni Campus, India, May 15-22,2020.
11. "Webinar on Environmental Day", held at Sri Guru Granth Sahib World University, India, June 06,2020.
12. Webinar on "Ovid Midline and Journal", held at HEC, July 02, 2020.
13. Webinar on "Writing a Scientific Research Paper", held at Pakistan Scientific and Technological Information Centre (PSTIC), Islamabad, September 15, 2020.
14. Webinar on "ProQuest's Introduction to Publishing in Academic Journals-Part1", HEC, Islamabad, December 08, 2020.
15. "Reference style to write a research papers", PSTIC, Islamabad, January 28, 2021.
16. "Role of AI in Cybersecurity", Superior University Gold Campus, Lahore, January 17,2025.

Personal Information

House No.8, Street No.4, Block-Y, Wassanpura, Scheme No.2, Lahore, Pakistan
D.O.B: December 15, 1974
Passport No: AP9855751 (28 Jul 2024)
Domicile: Lahore, Pakistan

Membership

1.	Youth Parliament	PB-LA-0000131	15.04.2008
2.	UOL-SAFE (Students Aim to Flourish Environment)		10.05. 2012
3.	International Engineering & Technology Institute, Hong Kong		12.1.2018
4.	International Association of Engineers (IAENG) Taiwan		2019
5.	IEEE		01.01.2022

PPSC IT Assessor since April 2021.

NCEAC Accreditation Inspection Committee Member since October 2024.

Projects/Thesis Supervision

Ph.D. Thesis Co-Supervisor

- "ETHICAL AND EXPLAINABLE AI FINANCIAL RISK ASSESSMENT SYSTEM FOR TECHNICAL PERFORMANCE AND REGULATORY COMPLIANCE", Khan Imdad Ullah (LUC20231211002), LINCOLN UNIVERSITY COLLEGE, MALAYSIA,2024.

MSIT Thesis Supervisor

1. Learners' Performance Prediction using Federated Learning(MSF2100368)-05.05.2023.
2. Child Computer Interaction Mapping Principles for Prediction of Mobile Application Users(MSF2100204)-23.06.2023.
3. Analysis and Prevention of Cotton Crop Pests using Supervised Machine Learning (MSF2100253)-23.06.2023.
4. Security and Privacy in IOT devices using Machine Learning and Blockchain approaches(MSF2100304)-11.07.2023.
5. Women Violence Exploration and Detection System using Deep Learning(MSF2100284)-11.07.2023.
6. Congestion Control Data Dissemination Scheme for Vehicular Content-Centric Network(MSF2100343)-11.07.2023.
7. Examination of Procrastination Tendencies of Learners in Online Environments Using Time Series Analysis (MSF2100348)-09.08.2023
8. An Optimized Congestion Control Routing in Wireless Sensor Network (WSN) using Ant Colony Optimization Algorithm (MSF2100215)-11.06.2024
9. Nudge Learning Based Feedback System for Enhancing Students' Learning Capabilities (MSF2201937)-08-07.2024.
10. A Cardiovascular Disease Detection System using Machine Learning and Deep Learning Techniques (MSF2201943)-17.10.2024.
11. STEERING PACKETS IN WIRELESS MESH NETWORKS ANALYSIS USING SUPPORT VECTOR MACHINE (MSF2201942)-17.10.2024.
12. Generative AI Model for Detection and Mitigation of Cyber Security Risks in IoT Networks to Preserve Privacy (MSS24000324)- 01-04-2026.
13. FEMINA-G: Fertility Evaluator using Menstrual Information and Neural AI with Generative Models for Fertility Prediction in Females (MSF23005632)-01.04.2026.
14. Hybrid KNN–LSTM Model for Cardiovascular Disease Risk Prediction (MSF24000006)-30.6.2026.
15. Hybrid Deep Learning Model for EEG Based Response Classification and Mental Workload Estimation (MSF24000007)-07.07.2026.
16. Deep Learning for Bacterial Blotch Detection in Button Mushrooms for Smart Farming (MSF24003322)-18.8.2026.
17. PANCREATIC CANCER IN FEMALES PREDICTION USING DEEP LEARNING NEURAL NETWORK APPROACH (MSF24003326)-18.8.2026.
18. Regional Routing Optimization Framework to Minimize Latency and Packet Loss in Online Gaming (MSF24000010)-18.8.2026.