

DR. SHADAB ALAM

Curriculum Vitaé

Associate Professor, Department of Computer Science,

College of Engineering and Computer Science, Jazan

University, Saudi Arabia Mobile: +966-509794534 Email: s4shadab@ieee.org

Personal Page: https://www.jazanu.edu.sa/en/shadab-alam-nafis

CAREER OBJECTIVE

To leverage over a decade of expertise in teaching, research, and academic leadership to advance educational excellence, foster innovation, and drive transformative interdisciplinary growth while enhancing the impact and reputation of the institution.

CAREER OVERVIEW

Accomplished academic professional with over a decade of experience in teaching, research, curriculum development, quality assurance, accreditation, and leadership in Computer Science. Recognized among the world's top 2% of scientists (by Stanford University), with expertise in information security, blockchain, IoT, smart healthcare, and machine learning. Holder of multiple patents and over 80 publications, with a proven ability to design innovative curricula, advance academic standards, and lead quality accreditation processes to meet evolving academic and industry needs.

PROFESSIONAL APPOINTMENTS

2024 - Present	Associate Professor, Department of Computer Science, College of	
	Engineering and Computer Science, Jazan University, Jazan, Saudi	
	Arabia (since 15 th May 2024).	
2014 - 2024	Assistant Professor, Department of Computer Science, College of	
	Engineering and Computer Science, Jazan University, Jazan, Saudi	
	Arabia (3 ^{rd.} September 2014 to 14 th May 2024).	
2013 - 2014	Project Scientist in the ERP Mission Project funded by NME-ICT	
	Mission, MHRD, Government of India (2 nd December 2013 to 30 th	
	August 2014).	
2011 – 2013	Counsellor/Part-Time Faculty member for BCA and MCA	
	courses in the Regional Study Centre, IGNOU, AMU Study Centre	
	(01 st January 2011 to 30 th November 2013).	

Total Teaching Experience: More than 11 Years

Professional Recognition and Awards

- Top 2% of Scientists Worldwide
 - o Ranked in the Stanford University Global Scientist List, 2024
 - Recognized by Stanford University and published by Elsevier, this prestigious ranking places me among the top 2% of scientists worldwide. The selection is based on citation metrics that reflect the significant impact and utility of my research contributions to Computer Science.

2023 - Present	Research Fellow at INTI International University, Malaysia.		
2022 - Present	Senior Member, The Institute of Electrical and Electronics		
	Engineers (IEEE)		
2012 - 2014	Maulana Azad National Fellowship (MANF) was funded by the		
	University Grant Commission, Govt. of India, to pursue a Ph.D. in		
	2012.		
2024	Best Paper Award by Journal of Economy and Technology,		
	Elsevier		
2022	Best Paper Award, ICSSA-2022 Conference - Universiti		
	Teknologi Malaysia (UTM), Malaysia		

EDUCATIONAL PROFILE

2014	Doctor of Philosophy (PhD) in Computer Science Department of Computer Science, Aligarh Muslim University, Aligarh, India Thesis Title "Cryptanalysis and Design of Synchronous
	Stream Cipher"
	(Submitted in November 2013 and Awarded in April 2014)
2009	Master of Computer Science & Application (MCA)
	Department of Computer Science, Aligarh Muslim University,
	Aligarh, India
2005	BS (Hons.) Computer Application
	Department of Computer Science, Aligarh Muslim University, Aligarh, India

SPECIALIZATION & Information Security, Blockchain, Internet of **RESEARCH INTEREST:** Things (IoT), Smart Healthcare, Machine Learning

RESEARCH PROFILES LINKS

 Indexed in the Stanford University annual global rankings of the top 2% of scientists in the world (Compiled by Elsevier).

https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7

- Google Scholar (Citations 2496, h-index 31 and i10-index 54)
 https://scholar.google.com/citations?user=i-3dP-oAAAAJ&hl=en
- Scopus Profile (Citations 1142, h-index 22)
 https://www.scopus.com/authid/detail.uri?authorId=56659054100
- Web of Science Profile (Citations 323, h-index 12)
 https://www.webofscience.com/wos/author/record/AAK-7827-2021
- Orcid Profile
 https://orcid.org/0000-0003-0504-4515
- Personal Web Page https://www.jazanu.edu.sa/en/shadab-alam-nafis

SUMMARY OF RESEARCH PUBLICATIONS

PUBLICATIONS	RESEARCH PAPER DETAILS
Patents	 1 US Patent (Granted) 2 US Patent (Published) 2 Australian Patents (Granted) 3 Indian Patents (Published)
Web of Science (WoS) Indexed Journals	 31 Research Papers 10 Q1 Publications 13 Q2 Publications 08 Q3 and Q4 Publications
Scopus Indexed Journals	• 15 Research Papers
Conference Papers as Book Chapters	• 15 Research Papers (All Scopus Indexed)
Conference Proceedings	• 15 Research Papers (All Scopus Indexed)
Edited Books	1 Book Published (CRC Press)2 Books Ongoing (IGI Global)

SUBJECTS TAUGHT AT PG/UG LEVEL

- Computer Security & Privacy
- Cryptography
- Introduction to Cybersecurity
- Operating System
- Fundamentals of Information Security
- Introduction to Information System

- Database Management System
- Management Information Systems
- System Analysis and Design
- Information Systems Management
- Software Engineering

A. RESEARCH PROJECTS:

- Worked as a Co-PI in the Institutional Project titled "A detailed review of blockchain-based applications for protection against pandemic like COVID-19" by the Deanship of Scientific Research (DSR), Jazan University, 2019 (Completed).
- Worked as a Co-PI in the Waeed Project titled "Blockchain-Based Microgrid for Safe and Reliable Power Generation and Distribution" Waeed research project funded by the Deanship of Scientific Research, Jazan University, Jazan, Saudi Arabia, under grant no W43-071, 2022 (Completed).

B. PH.D. THESIS SUPERVISION:

- Mohammed Shuaib, "Self-Sovereign Identity Framework for Blockchain-based Land Registry," Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia (UTM), Kuala Lumpur, Malaysia (Awarded) ranked #181 in QS World University Rankings
- Faheem Ahmad Reegu, "Blockchain-Based Interoperable Electronic Health Record Framework," Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia (UTM), Kuala Lumpur, Malaysia (Submitted) ranked #181 in QS World University Rankings

C. PATENTS (Total 8)

- 1. Emotion Recognition and Notification System, US Patent (Published), US Patent, Patent No.: US 12,142,078B2, App. 17809428, 2022 (Granted) https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/20220335752
- 2. Character and Symbol Recognition System for Vehicle Safety, US Patent (Published), US Patent App. 17809443, 2022

 https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/20220335739
- 3. LSM Luggage Trolleys: Intelligent Shopping Mall Luggage Trolleys, US Patent (Published), US Patent App. 17164845, 2021

 https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/20210179159

- 4. BSF-128: A New Synchronous Stream Cipher Design, Australian Patent (Granted), Patent number: 2021100435, 2021

 https://ipsearch.ipaustralia.gov.au/patents/2021100435
- 5. A System and Method for Cyber Security Through Blockchain Technology, Australian Patent (Granted), Patent number: 2021105872, 2021 https://ipsearch.ipaustralia.gov.au/patents/2021105872
- 6. Identification and Classification of Phishing Website or Blog in Social Media Sites, Indian Patent (Published), Application number 20224106371, 2022 https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
- 7. Asthma Detection and Notification Using IoT Based With Very Small Device, Indian Patent (Published), Application number 202141004759, 2021

 https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
- 8. IAH-Waste Management: Intelligent Waste Management For Ayurveda Hospitals Using IOT-Based, Indian Patent (Published), Application number: 202141001290, 2021

 https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

D. BOOKS (Total 01)

 Applications of Machine Learning and Deep Learning on Biological Data, Edited by Faheem Masoodi, Mohammad Quasim, Syed Bukhari, Sarvottam Dixit, Shadab Alam, 2023 by Auerbach Publications (CRC Press), ISBN 9781032214375. https://doi.org/10.1201/9781003328780

E. PEER-REVIEWED JOURNALS (Total- 52)

- I. WEB OF SCIENCE JOURNALS (Total 31)
- J1. Gaurav Yadav, Mohammad Ubaidullah Bokhari, Saleh I. Alzahrani, Shadab Alam and Mohammed Shuaib "Emotion-Aware Ensemble Learning (EAEL): Revolutionizing Mental Health Diagnosis of Corporate Professionals via Intelligent Integration of Multi-modal Data Sources and Ensemble Techniques" IEEE Access. 2025 January. https://doi.org/10.1109/ACCESS.2025.3529032 (SCIE Q2 IF-3.4 Web of Science)
- J2. Reddy C KK, Kaza VS, Mohana RM, Alhameed M, Jeribi F, Alam S, Shuaib M. "Detecting Anomalies in Smart Wearables for Hypertension: A Deep

- **Learning Mechanism."** Frontiers in Public Health. 2025; 12:1426168. doi: 10.3389/fpubh.2024.1426168 (SCIE Q2 IF-3.0 Web of Science)
- J3. Mustaqeem M, Alam M, Mustajab S, Alshanketi F, Alam S, Shuaib M. "Comprehensive Bibliographic Survey and Forward-looking Recommendations for Software Defect Prediction: Datasets, Validation Methodologies, Prediction Approaches, and Tools." IEEE Access. 2024 Dec 13. https://doi.org/10.1109/ACCESS.2024.3517419 (SCIE Q2 IF-3.4 Web of Science)
- J4. Kaza VS, Alamer A, Alam S, Shuaib M, Basudan S, Sheneamer A. "Detecting and forecasting cryptojacking attack trends in Internet of Things and wireless sensor networks devices." PeerJ Computer Science. 2024 Nov 29;10:e2491. https://doi.org/10.7717/peerj-cs.2491 (SCIE Q1 IF 3.8 Web of Science)
- J5. Khan, Afreen, Swaleha Zubair, Mohammed Shuaib, Abdullah Sheneamer, Shadab Alam, and Basem Assiri, "Development of a Robust Parallel and Multi-Composite Machine Learning Model for Improved Diagnosis of Alzheimer's Disease: Correlation with Dementia-Associated Drug Usage and AT (N) Protein Biomarkers." Frontiers in Neuroscience, 18, 1391465, 2024. https://doi.org/10.3389/fnins.2024.1391465 (SCIE Q2 IF-3.2 Web of Science)
- J6. Reddy CK, Reddy PA, Janapati H, Assiri B, Shuaib M, Alam S, Sheneamer A. "A fine-tuned vision transformer based enhanced multi-class brain tumor classification using MRI scan imagery", Frontiers in Oncology. 2024 Jul 18;14:1400341. https://doi.org/10.3389/fonc.2024.1400341 (SCIE Q2 IF-3.5 Web of Science)
- J7. Reddy C, Kishor Kumar, Aarti Rangarajan, Deepti Rangarajan, Mohammed Shuaib, Fathe Jeribi, and Shadab Alam, "A Transfer Learning Approach: Early Prediction of Alzheimer's Disease on US Healthy Aging Dataset." Mathematics 12, no. 14 (2024): 2204. https://doi.org/10.3390/math12142204 (SCIE Q1 IF-2.3 Web of Science)
- J8. Mustaqeem, Mohd, Suhel Mustajab, Mahfooz Alam, Fathe Jeribi, Shadab Alam, and Mohammed Shuaib. "A trustworthy hybrid model for transparent software defect prediction: SPAM-XAI." PloS one 19, no. 7 (2024): e0307112. https://doi.org/10.1371/journal.pone.0307112 (SCIE Q1 IF-3.7 Web of Science)
- J9. Mohd Shamsh Tabarej, Sonajharia Minz, Anwar Ahamed Shaikh, Mohammed Shuaib, Fathe Jeribi, and Shadab Alam, "Graph-Based Hotspot Detection of Socio-Economic Data Using Rough-Set" Mathematics 12, no. 13, 2024. doi: https://doi.org/10.3390/math12132031 (SCIE Q1 IF-2.3 Web of Science)

- J10. Kishor K. Reddy, Advaitha Daduvy, R. Madana Mohana, Basem Assiri, Mohammed Shuaib, Shadab Alam, and Abdullah Sheneamer. "Enhancing Precision Agriculture and Land Cover Classification: A Self-Attention 3D Convolutional Neural Network Approach for Hyperspectral Image Analysis" IEEE Access, 2024. doi: https://doi.org/10.1109/ACCESS.2024.3420089 (SCIE Q2 IF-3.4 Web of Science)
- J11. Vaneet Kumar, Aleem Ali, Payal Mittal, Ibrahim Aqeel, Mohammed Shuaib, Shadab Alam, and Mohammed Y. Aalsalem. "E2SVM: Electricity-Efficient SLA-aware Virtual Machine Consolidation approach in cloud data centers" Plos one 19, no. 6 (2024): e0303313. doi: https://doi.org/10.1371/journal.pone.0303313 (SCIE Q1 IF-3.7 Web of Science)
- J12. Wasim Khan, Mohammad Ishrat, Ahmad Neyaz Khan, Mohammad Arif, Anwar Ahamed Shaikh, Mousa Mohammed Khubrani, Shadab Alam, Mohammed Shuaib, and Rajan John. "Detecting Anomalies in Attributed Networks through Sparse Canonical Correlation Analysis combined with Random Masking and Padding" IEEE Access, vol. 12, pp. 65555-65569, 2024, doi: https://doi.org/10.1109/ACCESS.2024.3398555 (SCIE Q2 IF-3.4 Web of Science)
- J13. C. Kishor Kumar Reddy, Vijaya Sindhoori Kaza, P. R. Anisha, Mousa Mohammed Khubrani, Mohammed Shuaib, Shadab Alam, and Sadaf Ahmad. "Optimising barrier placement for intrusion detection and prevention in WSNs" Plos one 19, no. 2 (2024). https://doi.org/10.1371/journal.pone.0299334 (SCIE Q1 IF-3.7 Web of Science)
- J14. Mohammad Tabrez Quasim, Khair ul Nisa, Mohammad Zunnun Khan, Mohammad Shahid Husain, Shadab Alam, Mohammad Shuaib, Mohammad Meraj & Monir Abdullah "An Internet of Things Enabled Machine Learning Model for Energy Theft Prevention System (ETPS) in Smart Cities", Journal of Cloud Computing, Springer Nature 12(158), 2023. https://doi.org/10.1186/s13677-023-00525-4 (SCIE Q2 IF-4.4 Web of Science)
- J15. Alam, Shadab. "The Current State of Blockchain Consensus Mechanism: Issues and Future Works." International Journal of Advanced Computer Science and Applications 14(8), The Science and Information (SAI) Organization, 2023. http://dx.doi.org/10.14569/IJACSA.2023.0140810 (ESCI IF 0.9 Web of Science)
- J16. Mousa Mohammed Khubrani and Shadab Alam "Blockchain-Based Microgrid for Safe and Reliable Power Generation and Distribution: A Case Study of Saudi Arabia," *Energies* MDPI, 2023. https://doi.org/10.3390/en16165963 (SCIE Q3 IF-3.2 Web of Science)

- J 17. Nayef Algahtani, Shadab Alam, Ibrahim Ageel, Mohammed Shuaib, Ibrahim Mohsen Khormi, Surbhi Bhatia, Areej A. Malibari "Deep Belief (DBN) IoT-Based **Networks** With Alzheimer's Disease **Detection** and Classification", Applied Sciences, 2023 https://doi.org/10.3390/app13137833 (**SCIE Q1 IF-2.5 Web of Science**)
- J18. Ibrahim Aqeel, Ibrahim Mohsen Khormi, Surbhi Bhatia, Mohammed Shuaib, Ahlam Almusharraf, Shadab Alam, Norah Alkhaldi "Load Balancing using Artificial Intelligence for Cloud-Enabled Internet of Everything in Healthcare Domain", Sensors (MDPI), 2023. https://doi.org/10.3390/s23115349 (SCIE Q2 IF-3.9 Web of Science)
- J19. Qamar, S., Amaan, M., Rahman, M. I., Aqeel, I., Shuaib, M., Khormi, I. M., & Alam, S. "Cloud data transmission based on security and improved routing through hybrid machine learning techniques" *Soft Computing* (Springer Nature), 2023. https://doi.org/10.1007/s00500-023-08417-0 (SCIE Q1 IF-4.1 Web of Science)
- J20. Alam, Shadab, Omer K. Jasim Mohammad, Badria Sulaiman Alfurhood, R. Mahaveerakannan, and V. Savitha. "Effective sound detection system in commercial car vehicles using Msp430 launchpad development." Multimedia Tools and Applications, Springer Nature, 2023. https://doi.org/10.1007/s11042-023-15373-2 (SCIE Q1 IF-3.6 Web of Science)
- J21. Shadab Alam, Surbhi Bhatia, Mohammed Shuaib, Mousa Mohammed Khubrani, Fayez Alfayez, Areej A. Malibari, and Sadaf Ahmad "An Overview of Blockchain and IoT Integration for Secure and Reliable Health Records Monitoring" Sustainability, 15(7): 5660. (MDPI), 2023. https://doi.org/10.3390/su15075660 (SCIE Q2 IF-3.9 Web of Science)
- J22. Mohammed Shuaib, Surbhi Bhatia, Shadab Alam, Raj Kumar Masih, Nashi Khalid Alqahtani, Shakila Basheer, Mohammad Shabbir Alam "An Optimised Dynamic Efficient Load Balancing Framework for Resource Management in the Internet of Things (IoT) Environment", Electronics, 12(5), 1104; (MDPI), 2023. https://doi.org/10.3390/electronics12051104 (SCIE Q3 IF-2.9 Web of Science)
- J23. Alam, S.; Shuaib, M.; Ahmad, S.; Jayakody, D.N.K.; Muthanna, A.; Bharany, S.; Elgendy, I.A., "Blockchain-Based Solutions Supporting Reliable Healthcare for Fog Computing and Internet of Medical Things (IoMT) Integration," Sustainability (MDPI), 2022, 14, 15312. https://doi.org/10.3390/su142215312 (SCIE Q2 IF-3.9 Web of Science)
- **J24.** Mohammad Khalid Imam Rahmani, Mohammed Shuaib, **Shadab Alam**, Shams Tabrez Siddiqui, Sadaf Ahmad, Surbhi Bhatia, Arwa Mashat, "**Blockchain-Based**

- Trust Management Framework for Cloud Computing-Based Internet of Medical Things (IoMT): A Systematic Review," Computational Intelligence and Neuroscience (Hindawi) vol. 2022, Article ID 9766844, 14 pages, 2022. https://doi.org/10.1155/2022/9766844 (SCIE Q2 IF-3.120 Web of Science)
- J25. Mohammed Shuaib, Shadab Alam, R.Ahmed, S Qamar, Mohammed Shahnawaz Nasir, Shabbir Alam, "Current status, requirements, and challenges of Blockchain application in Land registry," International Journal of Information Retrieval Research (IJIRR) 12(2), IGI Global (2022) https://doi.org/10.4018/IJIRR.299934 (IF-1.1 ESCI Web of science)
- J26. Mohammed Shuaib, Hafizah Hassan, Sahnius Usman, Shadab Alam, Surbhi Bhatia, Parul Agarwal, Sheikh Mohammad Idrees "Land Registry Framework based on Self-Sovereign Identity (SSI) for Environmental Sustainability," Sustainability, 14.9 (2022): 5400. MDPI https://doi.org/10.3390/su14095400 (SCIE Q2 IF-3.9 Web of Science)
- J27. Mohammed Shuaib, Noor Hafizah Hassan, Sahnius Usman, Shadab Alam, Surbhi Bhatia, Arwa Mashat, Adarsh Kumar, Manoj Kumar, "Self-Sovereign Identity Solution for Blockchain-Based Land Registry System: A Comparison," Mobile Information Systems, vol. 2022, 2022. https://doi.org/10.1155/2022/8930472 (SCIE Q4 IF-1.8 Web of Science)
- J28. Shuaib, M., Hafizah Hassan, N., Usman, S., Alam, S., Bhatia, S., Koundal, D., & Belay, A. (2022). "Identity Model for Blockchain-Based Land Registry System: A Comparison" Wireless Communications and Mobile Computing, Hindawi (2022). https://doi.org/10.1155/2022/5670714 (SCIE Q3 IF-2.14 Web of Science)
- J29. Bhatia, S., Alam, S., Shuaib, M., Hameed Alhameed, M., Jeribi, F., & Alsuwailem, R. I. "Retinal Vessel Extraction Via Assisted Multi-Channel Feature Map and U-net" Frontiers in Public Health (2022). DOI: https://doi.org/10.3389/fpubh.2022.858327 (SCIE Q2 IF-3.0 Web of Science)
- J30. Aslam, T., Maqbool, A., Akhtar, M., Mirza, A., Khan, M. A., Alam, Shadab. "Blockchain-Based Enhanced ERP Transaction Integrity Architecture and PoET Consensus," CMC-Computers, Materials & Continua, 70(1), 1089–1109,(2021). doi:10.32604/cmc.2022.019416 (SCIE Q2 IF-2.1 Web of Science)
- J31. Shadab Alam., Mohammed Shuaib, M., Khan, W. Z., Garg, S., Kaddoum, G., Hossain, M. S., & Zikria, Y. B., "Blockchain-based Initiatives: Current state and challenges," Computer Networks, 198, 108395 (2021). DOI: https://doi.org/10.1016/j.comnet.2021.108395, (SCIE Q1 IF-5.6 Web of Science)

II. SCOPUS & OTHERS JOURNALS (Total 21)

- J1. Hakim, Tahir, Aidi Ahmi, and Shadab Alam. "A Decade in Blockchain: A Bibliometric Reflection on the Growth and Interdisciplinary Reach of a Disruptive Technology." Journal of Information and Communication Technology 23.4 (2024): 627-665. https://doi.org/10.32890/jict2024.23.4.3 (SCOPUS)
- J2. Chinthala, Kishor Kumar Reddy, Monika Singh Thakur, Mohammed Shuaib, and Shadab Alam "Prospects of Computational Intelligence in Society: Human-Centric Solutions, Challenges, and Research Areas." Journal of Computational and Cognitive Engineering (2024). https://doi.org/10.47852/bonviewJCCE42023330 (SCOPUS)
- J3. Kishor K. Reddy, Rithika Badam, Shadab Alam, and Mohammed Shuaib. "IoT-Driven Accessibility: A Refreshable OCR-Braille Solution for Visually Impaired and Deaf-Blind Users through WSN" Journal of Economy and Technology (2024). https://doi.org/10.1016/j.ject.2024.04.007 (SCOPUS)
- J4. Arif, Mohd, Malabika Adak, Anjum Ara Ahmad, Chhaya Nayak, Ibrahim Aqeel, Shadab Alam, Dyuti Banerjee, And Ayasha Siddiqua. "Energy Optimisation Approach Based Machine Learning on Linear Reflector Systems" Journal of Theoretical and Applied Information Technology 102, no. 6 (2024). (SCOPUS)
- J5. Emmanuel, A. A., Awokola, J. A., Alam, S., Bharany, S., Agboola, P., Shuaib, M., & Ahmed, R. "A Hybrid Framework of Blockchain and IoT Technology in the Pharmaceutical Industry: A Comprehensive Study," Mobile Information Systems, Hindawi, 2023. https://doi.org/10.1155/2023/3265310 (SCOPUS)
- J6. Mohammed Shuaib, Shadab Alam, Mohammad Shabbir Alam, Mohammad Shahnawaz Nasir, "Self-sovereign identity for healthcare using blockchain," Materials Today: Proceedings, Elsevier, Volume 81(2), 2023, ISSN 2214-7853 https://doi.org/10.1016/j.matpr.2021.03.083 (SCOPUS)
- J7. Mousa Mohammed Khubrani, Shadab Alam "A detailed review of Blockchain-based applications for protection against pandemic like COVID-19", TELKOMNIKA Telecommunication, Computing, Electronics and Control, Vol 19, No 4, August 2021 http://dx.doi.org/10.12928/telkomnika.v19i4.18465 (SCOPUS)
- J8. Reegu, Faheem Ahmad, Salwani Mohd, Zaid Hakami, Kaiser Kariem Reegu, and Shadab Alam. "Towards Trustworthiness of Electronic Health Record System using Blockchain." Annals of the Romanian Society for Cell Biology 25, no. 6 (2021): 2425-2434. Retrieved from https://www.annalsofrscb.ro/index.php/journal/article/view/5858 (SCOPUS)
- J9. Alam, Shadab. et al. "A Blockchain-based framework for secure Educational Credentials." Turkish Journal of Computer and Mathematics Education

- (TURCOMAT) 12.10 (2021): 5157-5167. https://doi.org/10.17762/turcomat.v12i10.5298 (SCOPUS)
- J10. Z.A. Khan, Mousa Mohammed Khubrani, Shadab Alam, S.J. Hui, Y. Wang, "Method for Measuring the Similarity of Multiple Metrological Sequences in the Key Phenological Phase of Rice-based on Dynamic Time," *Alinteri Journal of Agriculture Science*, Volume 36, Issue 2, Pages: 22-37, 2021, DOI: https://doi.org/10.47059/alinteri/v36i2/ajas21112
- J11. Reegu, Faheem, Salwani Mohd Daud, and Shadab Alam. "Interoperability Challenges in Healthcare Blockchain System-A Systematic Review." *Annals of the Romanian Society for Cell Biology* (2021): 15487-15499, Volume 25: Issue 4 Retrieved from https://www.annalsofrscb.ro/index.php/journal/article/view/5177 (SCOPUS)
- J12. Shuaib, Mohammed, Salwani Mohd Daud, and Shadab Alam. "Self-sovereign Identity framework development in compliance with Self-sovereign Identity principles using components." International Journal of Modern Agriculture 10.2 (2021): 3277-3296. Retrieved from http://www.modern-journals.com/index.php/ijma/article/view/1155
- J13. Ibrahim AlShourbaji, Ghassan Samara, Hussam Abu Munshar, Waleed A Zogaan, Faheem A Reegu, Shadab Alam, Muhammad Saidu Aliero, "Early detection of skin cancer using deep learning approach" İlköğretim Online (IOO) Elementary Education Online (EEO), Vol 20, No 5, Mar 2021, pp 3880–3884 (SCOPUS)
- J14. Faheem A. Reegu, Maher O. Al-Khateeb, Waleed A. Zogaan, Mohammad R. Al-Mousa, Shadab Alam, Ibrahim Al-Shourbaj, "Blockchain-Based Framework for Interoperable Electronic Health Record," Annals of the Romanian Society for Cell Biology, 6486–6495. Volume 25: Issue 3(2021). Retrieved from https://www.annalsofrscb.ro/index.php/journal/article/view/2166 (SCOPUS)
- J15. Shuaib, Mohammed, Salwani Mohd Daud, Shadab Alam, and Wazir Zada Khan. "Blockchain-based framework for secure and reliable land registry system." *Telkomnika* 18, no. 5 (2020). http://dx.doi.org/10.12928/telkomnika.v18i5.15787 (SCOPUS)
- **J16.** Ashok Kumar Gupta, Shams Tabrez Siddiqui, **Shadab Alam**, and Mohammad Shuaib, "Cloud Computing Security using Blockchain," International Journal of Emerging Technologies and Innovative Research (JETIR), June 2019, Volume 6, Issue 6, ISSN 2349-5162 http://doi.one/10.1729/Journal.34624
- J17. Faheem Masoodi, Shadab Alam and Shams Tabrez Siddiqui, "Security & Privacy Threats, Attacks and Countermeasures in the Internet of Things,"

- International Journal of Network Security & Its Applications (IJNSA) Vol. 11, No.2, March 2019. DOI: 10.5121/ijnsa.2019.11205
- **J18.** *Alam, Shadab and Bokhari, M. U.* "A Detailed Analysis of Grain Family of Stream Ciphers" in International Journal of Computer Network and Information Security (IJCNIS), MECS Publisher, Hong Kong. ISSN: 2074-9090 (Print), ISSN: 2074-9104 (Online) DOI: 10.5815/ijcnis.2014.06.05 (SCOPUS)
- **J19.** Bokhari, M. U., Alam, Shadab and Masoodi, Faheem "Cryptanalysis Techniques for Stream Cipher: A Survey" in International Journal of Computer Applications (IJCA), USA, Volume 60, Number 9 (ISBN No- 973-93-80871-89-1), December 2012. DOI: 10.5120/9721-4187
- **J20.** Bokhari, M. U., Masoodi, Faheem and Alam, Shadab "An Analysis of Linear Feedback Shift Registers in Stream Ciphers" in International Journal of Computer Applications (IJCA), USA (Volume 46/Number 17, ISBN No- 973-93-80868-61-8), May 2012. DOI: 10.5120/7013-9714
- **J21.** *Bokhari, M. U., Alam, Shadab and Masoodi, Faheem S.* "SOBER Family of Stream Ciphers: A Review," in International Journal of Computer Applications (IJCA), USA, (Volume 23/Number 1, ISBN No- 978-93-80752-75-1), 2011. DOI: 10.5120/2857-3672

F. CONFERENCE PUBLICATIONS

I. FULL PAPERS PUBLISHED AS BOOK CHAPTERS (Total- 10)

- B 1. Abhishek Bajpai; Vivek Srivastava; Mohammed Shuaib; Aishwarya Jaiswal; Salil Bharany; Shadab Alam; Sadaf Ahmad, "An Efficient Hybrid Model to Summarize the Text Using Transfer Learning," In: J. Agrawal et al. (eds) *Data Engineering and Applications*, Lecture Notes in Electrical Engineering 1146, Springer, Singapore. September 2024. https://doi.org/10.1007/978-981-97-0037-0_5, ISBN: 978-981-97-0036-3
- **B 2.** Amita Bisht, Diksha Dhiman, Raj Kumar Masih, Kapil Joshi, Salil Bharany, **Shadab Alam**, and Mohammed Shuaib, "**Approaches for Sentiment Analysis on IMDB Movie Reviews**", In: J. Agrawal et al. (eds) *Data Engineering and Applications*, Lecture Notes in Electrical Engineering 1146, Springer, Singapore. September 2024. https://doi.org/10.1007/978-981-97-0037-0_32, **ISBN:** 978-981-97-0036-3
- **B 3.** Salil Bharany, **Shadab Alam**, Mohammed, Shuaib, Bhanu Talwar, "**Sentiment Analysis of Twitter Data for COVID-19 Posts**", In: Jacob, I.J., Kolandapalayam

- Shanmugam, S., Izonin, I. (eds) *Data Intelligence and Cognitive Informatics*, Algorithms for Intelligent Systems, Springer, Singapore. December 2022. https://doi.org/10.1007/978-981-19-6004-8_37, **ISBN:** 978-981-19-6004-8
- **B 4.** Mohammed Shuaib, **Shadab Alam**, and Salwani Mohd Daud, "Improving the Authenticity of Real Estate Land Transaction Data Using Blockchain-Based Security Scheme," In: Anbar, M., Abdullah, N., Manickam, S. (eds) Advances in Cyber Security ACeS 2020, Communications in Computer and Information Science, vol 1347. Springer, Singapore, February 2021. https://doi.org/10.1007/978-981-33-6835-4 , ISBN: 978-981-33-6835-4
- **B 5.** S.T. Siddiqui, R. Ahmad, M. Shuaib, **S. Alam**, "Blockchain Security Threats, Attacks and Countermeasures" In: Hu, YC., Tiwari, S., Trivedi, M., Mishra, K. (eds) Ambient Communications and Computer Systems. Advances in Intelligent Systems and Computing, vol 1097. Springer, Singapore, March 2020. https://doi.org/10.1007/978-981-15-1518-7_5, **ISBN**: 978-981-15-1518-7
- **B 6.** S.T. Siddiqui, **S. Alam**, R. Ahmad, M. Shuaib, "Security Threats, Attacks, and Possible Countermeasures in the Internet of Things," In: Kolhe, M., Tiwari, S., Trivedi, M., Mishra, K. (eds) Advances in Data and Information Sciences. Lecture Notes in Networks and Systems, vol 94. Springer, Singapore, January 2020. https://doi.org/10.1007/978-981-15-0694-9, ISBN: 978-981-15-0694-9
- **B 7. S. Alam,** S.T. Siddiqui, A. Ahmad, R. Ahmad, M. Shuaib, "Internet of Things (IoT) Enabling Technologies, Requirements, and Security Challenges," In: Kolhe M., Tiwari S., Trivedi M., Mishra K. (eds), *Advances in Data and Information Sciences*, Lecture Notes in Networks and Systems, vol 94. Springer, Singapore, January 2020. https://doi.org/10.1007/978-981-15-0694-9 12, ISBN: 978-981-15-0694-9
- **B 8.** Mohammed Shuaib, Abdus Samad, **Shadab Alam** and Shams Tabrez Siddiqui, "Why Adopting Cloud still a Challenge? A Review on Issues and Challenges for Cloud Migration in Organizations", In: Hu, YC., Tiwari, S., Mishra, K., Trivedi, M. (eds) *Ambient Communications and Computer Systems*, Advances in Intelligent Systems and Computing, vol 904. Springer, Singapore, March 2019. https://doi.org/10.1007/978-981-13-5934-7_35, ISBN: 978-981-13-5934-7
- B 9. Shams Tabrez Siddiqui, Shadab Alam, Zaki Khan, and Ashok Gupta Gupta, "Cloud-Based E-Learning: Using Cloud Computing Platform for an Effective E-Learning," In: Tiwari, S., Trivedi, M., Mishra, K., Misra, A., Kumar, K. (eds) *Smart Innovations in Communication and Computational Sciences*, Advances in Intelligent Systems and Computing, vol 851. Springer, Singapore, November 2018. https://doi.org/10.1007/978-981-13-2414-7_31, ISBN: 978-981-13-2414-7

B 10. Shadab Alam, Mohammed Shuaib, Abdus Samad, "Collaborative Study of Intrusion Detection and Intrusion Prevention Techniques in Cloud Computing," In: Bhattacharyya, S., Hassanien, A., Gupta, D., Khanna, A., Pan, I. (eds) International Conference on Innovative Computing and Communications. Lecture Notes in Networks and Systems, vol 55. Springer, Singapore, November 2018. https://doi.org/10.1007/978-981-13-2324-9_23, ISBN: 978-981-13-2324-9

II. FULL PAPERS IN CONFERENCE PROCEEDINGS (Total - 24)

- C1. R. Ango, R. K. Masih, C. K. K. Reddy, M. Shuaib, M. S. T and S. Alam, "Fraud Detection in Banking using the Kaggle Credit Card Dataset and XGBoost Model," 2024 International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS), Bengaluru, India, 2024, pp. 968-973, doi: https://doi.org/10.1109/ICICNIS64247.2024.10823227
- C 2. S. Tabassum, C. B. Kotnala, R. K. Masih, M. Shuaib, S. Alam, and T. M. Alar, "Performance Analysis of Machine Learning Techniques for Predicting Water Quality Index using Physiochemical Parameters," 2023 International Conference on Sustainable Computing and Smart Systems (ICSCSS), Hindusthan College of Engineering and Technology (HiCET) Coimbatore, India, 2023, pp. 372-377, doi: 10.1109/ICSCSS57650.2023.10169408
- C 3. T. M. Alar, M. Shuaib, I. M. Khormi, S. Alam, I. Aqeel and S. Ahmad, "Enhancing the Trust and Transparency of Academic Records with Blockchain-Based Systems," 2023 International Conference in Advances in Power, Signal, and Information Technology (APSIT), Department of Electrical & Electronics Engineering, Institute of Technical Education & Research, Faculty of Engineering & Technology, Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar, Odisha, India, 2023, pp. 1-7, doi: 10.1109/APSIT58554.2023.10201683.
- C 4. R. Masih, S. Alam, S. Tabassum, M. Shuaib and S. Ahmad, "An Analysis of the Significant Role Played by Mobile Cloud Forensics and its Key Obstacles," 2023 International Conference in Advances in Power, Signal, and Information Technology (APSIT), Bhubaneswar, India, 2023, pp. 578-582, doi: 10.1109/APSIT58554.2023.10201715
- C 5. Shadab Alam "Security Concerns in Smart Agriculture and Blockchain-based Solution," IEEE OPJU International Technology Conference on Emerging Technologies for Sustainable Development (8-10 Feb 2023) at O.P. Jindal University, Raigarh, Chhattisgarh, India. 10.1109/OTCON56053.2023.10113953
- C 6. Madhu Kirola, Minakshi Memoria, Mohammed Shuaib, Kapil Joshi, Shadab Alam and Faisal Alshanketi "A Referenced Framework on New Challenges and

- Cutting-Edge Research Trends for Big-Data Processing Using Machine Learning Approaches," IEEE International Conference on Smart Computing And Application (ICSCA 2023), College Of Computer Science And Engineering, University of Ha'il, Ha'il, Saudi Arabia, 5-6 February 2023. 10.1109/ICSCA57840.2023.10087686
- C7. Singh, Ajay, Kapil Joshi, Shadab Alam, Salil Bharany, Mohammed Shuaib, and Sadaf Ahmad. "Internet of Things-based Integrated Remote Electronic Health Surveillance and Alert System: A Review," IEEE International Conference on Current Development in Engineering and Technology (CCET), IEEE, SAGE University, Bhopal, 23-24 December 2022. 10.1109/CCET56606.2022.10080629
- C 8. Ajay Singh; Kapil Joshi; Mohammed Shuaib; Salil Bharany; Shadab Alam; Sadaf Ahmad "Navigation and Speed Regulation Aimed at Travel through Immersive Virtual Environments: A Review," IEEE International Conference on Current Development in Engineering and Technology (CCET-2022), 23-24 December at SAGE University Bhopal Madhya Pradesh, India. 10.1109/CCET56606.2022.10080751
- C 9. Palak Gupta, Anmol Varshney, Mohammad Rafeeq Khan, Rafeeq Ahmed, Mohammed Shuaib, and Shadab Alam "Unbalanced Credit Card Fraud Detection Data: A Machine Learning-Oriented Comparative Study of Balancing Techniques," ICMLDE-2022 (International Conference on Machine Learning and Data Engineering), 07-08 September 2022 at UPES, Dehradun, India. https://doi.org/10.1016/j.procs.2023.01.231
- C 10. M. Shuaib, N. H. Hassan, S. Usman, S. Alam, S. M. Sam and G. A. L. N. Samy, "Effect of Quantum computing on Blockchain-based Electronic Health Record Systems," 2022 4th International Conference on Smart Sensors and Application (ICSSA), Razak Faculty of Technology and Informatics (RFTI), Universiti Teknologi Malaysia (UTM), Kuala Lumpur, Malaysia, 26-28 July 2022, pp. 179-184, DOI: 10.1109/ICSSA54161.2022.9870964.
- C 11. M. Shuaib, N. H. Hassan, S. Usman, S. Alam, N. A. A. Bakar and N. Maarop, "Performance Evaluation of DLT systems based on Hyper ledger Fabric," 2022 4th International Conference on Smart Sensors and Application (ICSSA), Razak Faculty of Technology and Informatics (RFTI), Universiti Teknologi Malaysia (UTM), Kuala Lumpur, Malaysia, 26-28 July 2022, pp. 70-75, DOI: 10.1109/ICSSA54161.2022.9870957.
- C 12. Mohammed Shuaib, Shadab Alam, and Faheem Ahmad Reegu, "Blockchain-Based Self-Sovereign Identity For Covid-19 Medical Passports And Immunity Certificates", Second International Conference on Emerging Trends in Materials, Computing and Communication Technologies 'ICETMCCT 2021' Pottalkulam,

- India, from 09th December, 2021, to 10th December, 2021. DOI: https://doi.org/10.1063/5.0150394
- C 13. Shams Tabrez Siddiqui, Mohammed Fakhreldin and Shadab Alam, "Blockchain Technology for IoT based Educational Framework and Credentials", 2021 International Conference on Software Engineering & Computer Systems and 4th International Conference on Computational Science and Information Management (ICSECS-ICOCSIM), IEEE, Faculty of Computing, Universiti Malaysia Pahang, Malaysia, Aug 24-26, 2021, DOI: 10.1109/ICSECS52883.2021.00042
- C 14. Faheem Ahmad Reegu, Salwani Mohd Daud, Shadab Alam, Mohammed Shuaib. "Blockchain-based Electronic Health Record System for Efficient Covid-19 Pandemic Management." (2021). 2nd International Conference on Universal Wellbeing (ICUW 2020), 114-120
- C 15. Shams Tabrez Siddiqui, Mohammed Shuaib, Shadab Alam and Ashok Gupta, "Implementing Blockchain Technology: Way to Avoid Evasive Threats to Information Security on Cloud", 2020-International Conference on Computing and Information Technology, September 9-10, 2020 at the University of Tabuk, Saudi Arabia. doi: 10.1109/ICCIT-144147971.2020.9213798
- C 16. Mohammed Shuaib, Shadab Alam, Salwani Mohd Daud and Sadaf Ahmad, "Blockchain-based Initiatives in Social Security", 2nd International Conference on ICT for Digital, Smart, and Sustainable Development (ICIDSSD '20), Jamia Hamdard University, New Delhi, India, February 27-28, 2020. http://dx.doi.org/10.4108/eai.27-2-2020.2303256
- C 17. Alam, Shadab et al. l "Internet of vehicles (IoV) requirements, attacks and countermeasures", in proceedings of 5th Annual Conference on Computing for Sustainable Global Development; INDIACom-2018; IEEE Conference, 14th 16th March 2018, Bharati Vidyapeeth, New Delhi, India. http://bvicam.in/INDIACom/news/INDIACom%202018%20Proceedings/Main/papers/1310.pdf
- C 18. Alam, Shadab; Siddiqui, shams and Ahmad, Sadaf "Cloud Computing based E-Learning System" in Proceedings of International Seminar On Contemporary Issues and Challenges, Murshidabad, India, February 2017.
- C 19. Alam, Shadab and Bokhari, M. U. "Analysis and Design of New Synchronous Stream Cipher Design BSF-128" in proceedings of "Wilkes International Conference on Computing Sciences (ICCS)", 2013 at Lovely Professional University in association with the International Neural Network Society and Advanced Computing Research Society at LPU, Punjab, 15-16 Nov 2013, Published by Elsevier. ISBN: 978-93-5107-172-3, pp 369-375.

- C 20. Alam, Shadab and Bokhari, M. U. "BSF-128: A New Stream Cipher Design" in Proceedings of International Conference IETET, 2013, at Geeta Institute of Technology, Kurukshetra, in association with Association of Computer Electronics and Electrical Engineers, Published by IDES, USA. DOI:03.AETS.2013.3.F8, ISBN: 978-1-63439-120-7, pp 541-545
- C 21. Bokhari, M. U., Ahmad, Iqrar and Alam, Shadab "Comparative Study of Techniques and Attacks on NLFSR Based Stream Ciphers— A Review" Proceedings of the 6th National Conference; INDIACom-2012, 23rd 24th February 2012 Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, ISSN 0973-7529; ISBN 978-93-80544-03-8
- C 22. Bokhari, M. U., Alam, Shadab and Masoodi, Faheem S. "A Review of Py (Roo) Stream Cipher and Its Variants" in 5th National Conference INDIACom -2011 on "Computing for Nation Development", New Delhi 10th 11th March 2011, Volume5, ISBN 978-93-80544-00-7, pp 203-206.
- C 23. Bokhari, M. U. Ahmad, Sadaf Alam, Shadab and Masoodi, Faheem S. "Modern Tools and Technologies for Interactive Learning" in 5th National Conference: INDIACom -2011 on "Computing for Nation Development", New Delhi 10th 11th March 2011, Volume5, ISBN 978-93-80544-00-7, pp 078-082.
- C 24. Bokhari, M. U., Alam, Shadab and Masoodi, Faheem S. "Comparative Analysis of Py (Roo) family of Stream Ciphers" in "International Conference on Reliability, Infocom Technology and Optimization (ICRITO 2010)" Volume1, ISBN No 978-81- 909732-2-9 held at Lingaya's University, Faridabad, Nov 1-3, 2010, pp667-671.

III. PAPERS PRESENTED IN CONFERENCES/SEMINARS:

- P1. Presented a paper titled "Internet of Things based Secure and Reliable Remote Patient Monitoring: Advancements, Challenges, and Future Directions", 2nd IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023)" held on 3rd & 4th Nov 2023 organized by Sri Venkateshwara College of Engineering, Bengaluru.
- P 2. Presented a paper titled "Developing Machine Learning Models for the Identification of Freshwater Macroinvertebrates Based on Water Quality and Macroinvertebrate Data", 2nd IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023)" held on 3rd & 4th Nov 2023 organized by Sri Venkateshwara College of Engineering, Bengaluru.
- P 3. Presented a paper titled "Security Concerns in Smart Agriculture and Blockchain-based Solution," IEEE OPJU International Technology Conference on

- Emerging Technologies for Sustainable Development (8-10 Feb 2023) at O.P. Jindal University, Raigarh, Chhattisgarh, India.
- P4. Presented a paper titled "A Referenced Framework for Big-Data Processing Using Machine Learning Approaches: with Study on New Challenges and Cutting-Edge Research Trends", IEEE International Conference on Smart Computing and Application (ICSCA 2023), College of Computer Science And Engineering, University of Ha'il, Ha'il, Saudi Arabia, 5-6 February 2023.
- P 5. Presented a paper titled "Blockchain-Based Self-Sovereign Identity for Covid-19 Medical Passports And Immunity Certificates", Second International Conference on Emerging Trends in Materials, Computing and Communication Technologies 'ICETMCCT 2021' Pottalkulam, India, from 09th December 2021 to 10th December 2021.
- P6. Presented a paper titled "Blockchain Technology for IoT based Educational Framework and Credentials", 7th International Conference on Software Engineering & Computer Systems (ICSECS-2021), ICSECS-ICOCSIM 2021, IEEE, Phang, Malaysia, Aug 24-26, 2021.
- P7. Presented a paper titled "Blockchain-based Electronic Health Record System for Efficient Covid-19 Pandemic Management." 2nd International Conference on Universal Wellbeing (ICUW 2020), December 12, organized by Perkumpulan Akademisi dan Saintis Indonesia (ASASI), Indonesia, 2020.
- **P 8.** Presented a paper titled "Improving the Authenticity of Real Estate Land Transaction Data Using Blockchain-Based Security Scheme." 2nd International Conference on Advances in Cyber Security (ACeS 2020), 8-9 December; Penang, Malaysia. Springer, Singapore, 2020.
- P 9. Presented a paper titled "Implementing Blockchain Technology: Way to Avoid Evasive Threats to Information Security on Cloud", 2020-International Conference on Computing and Information Technology at the University of Tabuk, KSA, September 9-10, 2020.
- P 10. Presented a paper titled "Analysis and Design of New Synchronous Stream Cipher Design BSF-128" in "Wilkes International Conference on Computing Sciences (ICCS)", Lovely Professional University, in association with the International Neural Network Society and Advanced Computing Research Society at LPU, Punjab, 15-16 Nov 2013.
- P11. Presented a paper titled "BSF-128: A New Stream Cipher Design" in the International Conference IETET, 2013, at Geeta Institute of Technology, Kurukshetra, with the Association of Computer Electronics and Electrical Engineers, 25-27 October 2013.

- P 12. Presented a paper titled "A Review of Py (Roo) Stream Cipher and Its Variants" in 5th National Conference INDIACom -2011 on "Computing for Nation Development," New Delhi 10th 11th March 2011
- **P 13.** Presented a paper titled "Modern Tools and Technologies for Interactive Learning" at the 5th National Conference: INDIACom -2011 on "Computing for Nation Development", New Delhi 10th 11th March 2011.
- **P 14.** Presented a paper titled "Security: A Primary Case of E-Learning" at the International Conference on "Teacher Education in Global Perspective" at Daudhar, Distt. Moga, Punjab, March 25, 2010.
- **P 15.** Presented a paper titled "Comparative Analysis of Py (Roo) family of Stream Ciphers" in "International Conference on Reliability, Infocom Technology and Optimization (ICRITO 2010)" held at Lingaya's University, Faridabad, Nov 1-3, 2010.
- **P 16.** Presented a paper titled "Cryptography: Modern Tools for Secure Communication" in "Seminar of Multifarious Specialties," organized by the Maqbool Social Health and Education Society, Aligarh, 30th November 2010.

G. PROFESSIONAL ACTIVITIES:

I. EDITORIAL BOARD MEMBER OF JOURNALS

- Academic Editor, *PLOS ONE*, ISSN: 1932-6203, PLOS Publisher
- Academic Editor, Computational and Mathematical Methods, John Wiley & Sons, Inc collaboration ISSN: 2577-7408 (Online)
- Academic Editor, Security and Communication Networks, John Wiley & Sons, Inc collaboration ISSN: 1939-0114 (Online)
- Academic Editor, Journal of Computational and Cognitive Engineering (JCCE), BON VIEW PUBLISHING PTE. LTD, Singapore ISSN: 2810-9503 (Online)
- Academic Editor, Iraqi Journal of Information and Technology Systems (IJITS) at the information technology research and development centre (ITRDC)-university of Kufa.
- **Guest Editor,** *Sustainable Computing: Informatics and Systems (SUSCOM)*, ELSEVIER, ISSN: 2210-5387, special issue on Sustainable Urban Planning with IoT and Blockchain Integration: Pioneering Smart and Eco-friendly Urban

Environments

- Guest Editor, International Journal of Information Retrieval Research (IJIRR), IGI Global, ISSN: 2155-6377, special issue on Information Retrieval Method and Information Computing with Blockchain: Applications and Open Innovations
- **Guest Editor,** *Computer Systems Science and Engineering*, Tech Science Press, ISSN: 0267-6192 (Print) special issue on Advanced Artificial Intelligence and Machine Learning in Electronic Healthcare
- **Topic Editors** (**Guest Editor**), *Frontiers in Computer Science*, Frontiers Media, E-ISSN: 2624-9898, Research Topic "Blockchain applications in Healthcare and drug discovery: Current state and future trends."
- **Topic Editors** (**Guest Editor**), *Frontiers in Communications and Networks*, Frontiers Media, E-ISSN: 2673-530X, Research Topic "Blockchain for wearable devices and implications in healthcare."
- Guest Associate Editor, Wearable *Electronics*, Frontiers Media
- Guest Associate Editor, Security, *Privacy and Authentication*, Frontiers Media
- Guest Associate Editor, Networks and Communications, Frontiers Media

II. REVIEWERS OF JOURNALS/BOOK CHAPTERS/CONFERENCES

- IEEE Journal of Biomedical and Health Informatics (ISSN 2168-2194), IEEE
- IEEE Access (ISSN: 2169-3536), IEEE
- Sustainable computing (ISSN: 2210-5379), Elsevier
- ACM Transactions on Internet Technology (ISSN:1533-5399, 1557-6051),
 ACM
- Soft Computing (ISSN: 14327643), Springer
- CMC-Computers, Materials & Continua (ISSN: 1546-2226), Tech Science Press
- Blockchain: Research and Applications (ISSN 2096-7209), Elsevier
- Computer Systems Science and Engineering (ISSN: 0267-6192), Tech Science
 Press
- PLOS ONE (ISSN 1932-6203), PLOS Publisher
- Applied Sciences (ISSN: 2076-3417), MDPI
- Agriculture (ISSN: 2077-0472), MDPI
- Mathematics (ISSN: 2227-7390), MDPI
- Computers (ISSN: 2073-431X), MDPI

- PLOS Digital Health (ISSN 2767-3170), PLOS Publisher
- Annals of Operations Research (ISSN: 0254-5330, 1572-9338), Springer Nature
- SN computer science (ISSN: 2661-8907), Springer Nature
- International Journal of Human-Computer Interaction (IJHCI), (ISSN: 1044-7318, 1532-7590), Taylor and Francis Ltd.
- Big Data and Cognitive Computing, (ISSN: 2504-2289), MDPI
- Electronic Commerce Research, (ISSN: 1389-5753), Springer
- Journal of Ambient Intelligence and Humanized Computing (ISSN: 1868-5137, 1868-5145), Springer
- Electronics (ISSN: 2079-9292), MDPI
- Energies (ISSN: 1996-1073), MDPI
- Healthcare (ISSN: 2227-9032), MDPI
- Heritage (ISSN: 2571-9408), MDPI
- Information (ISSN: 2078-2489), MDPI
- Smart Cities (ISSN: 2624-6511), MDPI
- Sensors (ISSN: 1424-8220), MDPI
- Sustainability (ISSN: 2071-1050), MDPI
- Symmetry (ISSN: 2073-8994), MDPI
- Technologies (ISSN: 2227-7080), MDPI
- Telecom (ISSN: 2673-4001), MDPI
- Entropy (ISSN: 1099-4300), MDPI
- Tsinghua Science & Technology (ISSN: 1878-7606), Tsinghua University
- Journal of Information & Knowledge Management (JIKM) (ISSN: 0219-6492, 1793-6926), World Scientific Publishing Company
- Journal of Interconnection Networks (ISSN: 0219-2659, 1793-6713), World
 Scientific Publishing Company
- ACM Transactions on Internet Technology (ISSN: 1533-5399, 1557-6051),
 ACM
- International Journal of Electronic Finance (IJEF) (ISSN: 1746-0077, 1746-0069), Inderscienece
- International Journal of Advanced Computer Science and Applications (IJACSA), ISSN: 2156-5570 (Online), The Science and Information (SAI) Organization
- 3rd IEEE International Conference on Emerging Smart Computing and

- Informatics (IEEE-ESCI 2021)
- 2nd International Conference On Smart Technologies for Smart Nation (SmartTechCon 2021)

III. SPECIAL SESSION/SYMPOSIUM ORGANISED AND CHAIRED

- Shadab Alam, Faheem Syeed Masoodi, and Mohammad Ubaidullah Bokhari organized a Special Session titled "Communications and Security" as a Technical Programme Committee during INDIACom-2024; 18th INDIACom; 2024 11th International Conference on "Computing for Sustainable Global Development," organized by BVICAM, New Delhi 28 February 01 March 2024.
- Shadab Alam, Mousa Mohammed Khubrani, and S.K. Niranjan organized a special session titled "Blockchain and IoT Applications, Security Challenges, and Recent Trends" at the 2nd International Conference On Smart Technologies for Smart Nation (SmartTechCon 2023) at Amity Global Institute Singapore from 18 19 August 2023
- International Program Committee Member for the conference "Blockchain & Cryptocurrency Congress (B2C' 2022)" to be held in Barcelona, Spain, 16-18 November 2022
- Shadab Alam, Mousa Mohammed Khubrani, and Zaki Ahmed Khan organized a special session titled "Blockchain: Applications and Innovations" at the 3rd IEEE International Conference on Emerging Smart Computing and Informatics (IEEE-ESCI 2021) from 5th to 7th March 2021.

IV. WORKSHOPS / SEMINARS / CONFERENCES ORGANISED

- Organized and hosted a one-day seminar on "Security Concerns in the Internet of Things (IoT) and Future Research Directions" for the Research Unit, College of Computer Science and IS, Jazan University, Jazan, 25th March 2017.
- Organized and hosted a two-day workshop on "Educational Resource Planning (EdRP)" in the Department of Computer Science, AMU, Aligarh, 17-18 January 2012.
- Organized a one-day seminar on "Cyber Crime" for the Police Department of the Aligarh (UP) zone at the Department of Computer Science, AMU, Aligarh.

V. WORKSHOPS / FDPs/ SEMINARS /CONFERENCES ATTENDED

- F1. Participated in IEEE OPJU International Technology Conference on Emerging Technologies for Sustainable Development (8-10 Feb 2023) at O.P. Jindal University, Raigarh, Chhattisgarh, India.
- F2. Participated in IEEE International Conference On Smart Computing and Application (ICSCA 2023), College Of Computer Science And Engineering, University of Ha'il, Ha'il, Saudi Arabia, 5-6 February 2023.
- F3. Participated in a one-week AICTE-ISTE-sponsored online refresher program on "Cryptology & Network Security" organized by Pranveer Singh Institute Of Technology (PSIT), Kanpur, from 07th January to 13th January 2022.
- **F4.** Participated in a One-week AICTE-ISTE sponsored online Faculty Development Programme on "Cybersecurity" organized by the Center for Cryptography, Cyber Security & Digital Forensics (C3-SDF), Department of Computer Science & Engineering, LNMIIT Jaipur, India, from 03rd January to 08th January 2022.
- **F5.** Participated in One week of the Virtual International Faculty Development Programme (FDP) on "**Current Research Trends in Computer Science**" organized by Anna Adarsh College For Women, Chennai, India, from 16/12/2021 to 22/12/2021.
- F6. Participated in a Two-week Faculty Development Programme (FDP) on Next-Gen Computing Technologies Organized by the Department of Computer Application under the aegis of Human Resource Development Centre (HRDC), Integral University, Lucknow, India, from 10-11-2021 to 25-11-2021
- F7. Participated in the Second International Conference on Emerging Trends in Materials, Computing and Communication Technologies 'ICETMCCT 2021' Pottalkulam, India, From 09th December 2021 to 10th December 2021.
- F8. Participated in 7th International Conference on "Software Engineering & Computer Systems (ICSECS-2021)" ICSECS-ICOCSIM 2021, IEEE, Phang, Malaysia, Aug 24-26, 2021.
- **F9.** Participated in Workshop on "Cyber Security and Digital Forensics", Department of Computer Science, AMU, Aligarh, from 26-30 August 2021.
- **F10.** Participated in the International Seminar on "Advances in Artificial Intelligence and Machine Learning" jointly organized by the Department of Computer Engineering & Interdisciplinary Centre for Artificial Intelligence, Aligarh Muslim University, Aligarh, held from 19th March 2021 to 21st March 2021.
- F11. Participated in the 2021 International Conference on Advanced Computing and Intelligent Technologies (ICACIT) Jointly organized by the School of

- Computing Science & Engineering and School of Electrical, Electronics & Communications Engineering Galgotias University and Department of Information Engineering and Mathematics Università Di Siena, Italy, during March 20-21, 2021
- F12. Participated in the 2nd International Conference on Universal Wellbeing (ICUW 2020) on 12th December 2020 in Indonesia
- F13. Participated in the Second International Conference on Advances in Cyber Security, ACeS 2020, Penang, Malaysia, December 8-9, 2020.
- **F14.** Participated in a Webinar on **Optimisation and AI Techniques** organized by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, 06th November 2020.
- **F15.** Participated in Webinar on **Software Defined Networking (SDN)** organized by Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, 31st October 2020.
- **F16.** Participated in the **International Conference on Computing and Information Technology**, September 9-10, 2020, University of Tabuk.
- **F17.** Participated in **NEOM AI Challenge**, which is being held at the Global AI Summit 2020, organized by The Saudi Data & AI Authority (SDAIA) on October 21st-22nd, 2020.
- F18. Participated in the Second International Conference on ICT for Digital, Smart, and Sustainable Development (ICIDSSD '20), New Delhi, India, February 27-28, 2020.
- **F19.** Participated in a Webinar on the topic "Outcome Based Education (OBE)" delivered by "Prof. O. N. Pandey' organized by Raj Kumar Goel Institute of Technology, Ghaziabad, Uttar Pradesh, India, 03rd October 2020.
- **F 20.** Participated in Workshop on "Student Assessment," organized by the Deanship of Academic Development (DAD), Jazan University, Jazan, on 24th August 2020.
- **F21.** Participated in Workshop on "SAQF Registration Training Program," organized by the Deanship of Academic Development (DAD), Jazan University, Jazan, on 19th February 2019.
- **F22.** Participated in a Workshop on "Scales for self-evaluation and self-study of the program based on the new standards," organized by the Deanship of Academic Development (DAD), Jazan University, Jazan, on 17th February 2019.
- **F23.** Participated in Workshop on "Writing Program Specification an A to Z," organized by the Deanship of Academic Development (DAD), Jazan University,

- Jazan, on 08th November 2018.
- **F24.** Participated in Workshop on "Assessment in Higher Education," organized by the Deanship of Academic Development (DAD), Jazan University, Jazan, on 12th November 2018.
- **F25.** Participated in Workshop on "**Process of Curriculum Development**," organized by the Deanship of Academic Development (DAD), Jazan University, Jazan, on 22nd October 2018.
- **F26.** Participated in Workshop on "**Program Accreditation Process: Step by Step**," organized by the Deanship of Academic Development (DAD), Jazan University, Jazan, on 07th October 2018.
- **F27.** Participated in Workshop on "Assessment of Learning Outcomes –In collaboration with NCAAA", organized by the Deanship of Academic Development (DAD), Jazan University, Jazan, on 05th February 2018.
- **F28.** Participated in a Workshop on "Writing a meaningful course report: A step-by-step workshop," organized by the Deanship of Academic Development (DAD), Jazan University, Jazan, on 11th December 2017.
- **F 29.** Participated in a Training program, "E-Learning Training Program," organized by the Deanship of Distance & E-Learning, Jazan University, Jazan, from 11th to 12th November 2015.
- F30. Participated in the International conference "The 4th International Conference CONFLUENCE 2013, the Next Generation Information Technology Summit", held at Amity University Uttar Pradesh, India, from 26th to 27th September 2013.
- **F31.** Participated in the 10th IIRS outreach program on "Geoweb Services Technology & Application," conducted by the Indian Institute of Remote Sensing, ISRO, Dehradun, from 11th February 2013 to 15th March 2013.
- F32. Participated in the International conference "IEEE International Conference on Advanced Research in Engineering and Technology (ICARET 2013)", held at KL University, Guntur, from 08th February to 09th February 2013.
- **F33.** Participated in 09th IIRS outreach program on "Remote Sensing, Geographical Information System, and Global Positioning System," conducted by the Indian Institute of Remote Sensing, ISRO, Dehradun, from 06-08-2012 to 22-10-2012.
- **F34.** Participated in the 06-Day Workshop on "**Personality Development and Communication Skills**" organized by Aligarh Muslim University in collaboration with MESCO, Hyderabad, from 14-20 November 2012.

- **F35.** Participated in the National Instructional Workshop on "Cryptology," organized by Manipal University, Jaipur, and the Cryptology Research Society of India from 21 to 23rd June 2012.
- **F36.** Participated in National Workshop on "Cryptography and Number Theory," organized by Centre for Mathematical Sciences sponsored by the Department of Science and Technology, Govt. of India from May 03-06, 2012.
- **F37.** Participated in Workshop on "EdRP (Educational Resource Planning)," organized by Department of Computer Science, AMU, Aligarh under the aegis of NMEICT, MHRD, Govt. of India from 17 to 18th January 2012.
- **F38.** Participated in Workshop on "Emerging Trends in Information and Communication Technology (ETICT 2011)", organized by the Department of Computer Engineering, AMU, Aligarh, from 19 to 20 February 2011
- **F39.** Participated in the short-term course on "Multimedia Signal Processing", organised by the Department of Electronics Engineering and UGC Academic Staff College, AMU, Aligarh, from 07 to 12th February 2011.
- **F40.** Participated in Workshop on "Network Security & Applications," organized by the University Women's Polytechnic, AMU, Aligarh, from 05 to 06th February 2011.

H. CONTRIBUTION TO INSTITUTIONAL / ADMINISTRATIVE WORK

- **1. Head of Program Assessment Committee** for the Department of Computer Science, Jazan University, Jazan, from October 2018 to 2022.
- **2. Head of the Curriculum and Teaching Committee** for the Department of Computer Science, Jazan University, Jazan, from October 2022 to date.
- **3. Member of the Quality System Management Committee** for the Department of Computer Science, Jazan University, Jazan, from November 2019 to date.
- **4. Member Program Curriculum Committee** for the Department of Information Technology & Security, Jazan University, Jazan, from October 2019 to 2022.
- **5. Head Curriculum Review Committee** (**CRC**) in the Department of Computer Science, Jazan University, Jazan, from October 2017 to October 2018.

- **6. Secretary of the ABET Committee** for BS (Computer Science Program) accreditation at Jazan University, Jazan, from October 2014 to May 2017.
- **7. Member of the Graduation Project Committee** at Jazan University, Jazan, from October 2015 to date.
- **8. Head, Quality Assurance Unit (QAU)**, College of Computer Science and Information Technology, Jazan University, Jazan, from January 2019 until December 2019.
- **9. Track Leader** for Algorithm & Complexity Track for BS (Computer Science Program) in Jazan University, Jazan, from January 2020 to date.
- **10.** Course Coordinator for the Computer Data Security and Privacy course for BS (Computer Science Program) in Jazan University, Jazan, from January 2017 to date.
- **11. Member, Research Unit** for College of Computer Science and Information Technology, Jazan University, Jazan, from November 2020 to August 2021.
- **12. Member Program Advisory Committee** for the Department of Computer Science, Jazan University, Jazan, from October 2019 to June 2021.
- **13. Program Quality Coordinator** (NCAAE Committee) for the Department of Computer Science, Jazan University, Jazan, from October 2017 to December 2019.
- 14. In-charge of the new BS (Computer Science) Curriculum Development team. I have designed and evaluated courses and curriculum plans for the BS (Computer Science) program in the Department of Computer Science, Jazan University, Jazan.
- **15. Member Curriculum Review Committee** (**CRC**) in the Department of Computer Science, Jazan University, Jazan, from October 2018 to February 2020.
- **16. Member Curriculum Review Committee** (**CRC**) in the Department of Computer Science, Jazan University, Jazan, from November 2015 to October 2017.
- **17. Track Leader** for Operating System Track for BS (Computer Science Program) in Jazan University, Jazan, from May 2018 to December 2019.
- **18. Track Leader** for Programming Track for BS (Computer Science Program) at Jazan University, Jazan, from September 2017 to May 2018.
- 19. Track Leader and Course Coordinator for Project Track of BS (Computer

Science Program) at Jazan University, Jazan, from April 2015 to October 2017.

I. MEMBERSHIPS IN PROFESSIONAL BODIES:

- Senior Member Institute of Electrical and Electronics Engineers (SMIEEE)
- Member IEEE Computer Society
- Life Time Member of the Cryptology Research Society of India (CRSI)
- Member of the Association for Computing Machinery (ACM)
- Member of the Computer Science Teachers Association (CSTA)
- Member of the International Association of Engineers (IAENG)

J. PERSONAL PROFILE

- Father's Name: Late Mr. Nafis Alam
- Gender: Male
- Nationality: Indian
- Linguistic Abilities: Fluent in English, Hindi, and Urdu; Proficient in Arabic.

DECLARATION

I hereby declare that the information furnished above is correct to the best of my knowledge.

Dated:

Place: (Dr. Shadab Alam)

REFERENCES

References are available upon request.