

Research Data

Faculty Member	Publications Journal	Publication Conferences
<p>Rabia Aslam Khan</p>	<p>Haq, H. B. U., et al. (2022). "E-healthcare using block Chain technology and cryptographic techniques: A review." Pakistan Journal of Engineering and Technology 5(4): 21-28.</p> <p>Haq, H. B. U., et al. (2022). "The impacts of ethical hacking and its security mechanisms." Pakistan Journal of Engineering and Technology 5(4): 29-35.</p> <p>Khan, R. A., et al. (2023). "Blockchain Data Analytics: A Review." International Journal for Electronic Crime Investigation 7(2).</p> <p>Khan, R. A. and M. B. Butt (2020). "Cognitive Radio and Dynamic Spectrum Access Using Fuzzy Logic." Pakistan Journal of Engineering, Technology & Science 8(2).</p> <p>Khan, R. A., et al. (2023). "Genomic Signal Processing Methods in DNA Mapping Schemes for Prediction of Exon in a Gene Using Digital Filters." International Journal for Electronic Crime Investigation 7(3): 61-68.</p> <p>Khan, R. A. and M. S. Farooq Spam Review Detection: A Systematic Literature Review.</p> <p>Malik, A. A., et al. (2019). "Performance Analysis of Machine Learning Techniques for Intrusion Detection." International Journal of Applied Information Systems 12(23): 12-19.</p> <p>Nawaz, S., et al. (2019). "An Expert System Technique for Sentiment Analysis of Opinions." LGURJCSIT 3(3): 43-50.</p> <p>Sabreena Nawaz, R. A. K., Saman Abdi (2019). "Wireless Networks: A Distributed Operating System Approach." International Journal of Applied Information System 12(26): 23-26.</p>	

Dr. Ahmad Naeem Akhtar	Muhammad Abdullah, Humayun Zubair Khan, Umair Fakhar, Ahmad Naeem Akhtar, Shuja Ansari, Satellite synergy: Navigating resource allocation and energy efficiency in IoT networks, Journal of Network and Computer Applications, Volume 230, 2024, 103966, ISSN 1084-8045, https://doi.org/10.1016/j.jnca.2024.103966 . (https://www.sciencedirect.com/science/article/pii/S1084804524001437)	A. N Akhtar, A Rashdi and F. Arif, "Fusion based spectrum decision framework for cognitive radio users ," 2015 IEEE 16th International Symposium on A World of Wireless, Mobile and Multimedia Networks (WoWMoM), 2015,pp.1-6, doi:10.1109/WoWMoM.2015.7158193.
Hafiz Muhammad Muneeb Akhtar	1. Mamoona Khalid ,Hafiz Burhan UI Haq, Zara Janjua, Hafiz Muhammad Muneeb Akhtar, Hafiz Muhammad Yousaf "YOLOv9-Based YOLO-Enhanced Smart Glasses for Real-Time Recognition of Pakistani Currency: Empowering the Visually Impaired" 2. Mehak Afzal, Shujaat Ali, Hafiz Burhan UI Haq, Rabia Younis, Hamid Ali, Amna Kosar, Hafiz Muneeb Akhtar "Water Quality Assessment Through Predictive Modeling Employing Machine Learning Methods"	
Mamoo na	1. Haq, H. B. U., Abbas, A., Khan, M. A., & Nawaz, S. (2021). Biometric Attendance Techniques in COVID-19: A Review. International Journal for Electronic Crime Investigation, 5(4), 35-44. https://ijeci.lgu.edu.pk/ijeci/article/view/143 2.Mamoona Khalid, Hafiz Burhan UI Haq, Zara Janjua, Hafiz Muhammad Muneeb Akhtar, & Hafiz Muhammad Yousaf. (2024). YOLOv9-Based YOLO-Enhanced Smart Glasses for Real-Time Recognition of Pakistani Currency: Empowering the Visually Impaired. Journal of Computing & Biomedical Informatics, 8(01). Retrieved from https://jcbi.org/index.php/Main/article/view/647	
Muhammad Shujat Ali	Muhammad Shujat Ali, "Towards Robust Network Security: Evaluating Machine Learning Algorithms for Intrusion Detection" DOI: https://doi.org/10.31181/dma31202559	N/A

<p>Sidra Aslam</p>	<p>A.A. Malik, K. Amjad,, A. Saud, S. Aslam, A. Ali "APPLICATION OF MACHINE LEARNING MODELS AND PARAMETERS FOR PREDICTION OF BREAST CANCER." Pakistan Journal of Science 75.04 (2023): 710-717.</p>	<p>Naveed, H., Younas, R., Haq, H. B. U., Abbas, S., Aslam, S., & Hassan, M. Z. (2024, October). Infodemic Vs Pandemic: Covid-19 Crisis in Pakistan Due to Rumors on Twitter. In 2024 Horizons of Information Technology and Engineering (HITE) (pp. 1-8). IEEE.</p>
<p>Hafiz Burhan UI Haq</p>	<ol style="list-style-type: none"> 1. Haq, H. B. U., Younis, R., & Ali, M. S. (2025). Towards Robust Network Security: Evaluating Machine Learning Algorithms for Intrusion Detection. <i>Decision Making Advances</i>, 3(1), 126-138. 2. Afzaal, R., & Haq, H. B. U. (2025). A Review and Comparative Study of Cloud Computing and the Internet of Things. <i>Spectrum of Engineering and Management Sciences</i>, 3(1), 18-27. 3. Younas, R., & ul Haq, H. B. (2025). Deep Learning Model to Analyze Psychological Effects on Gamers. <i>Spectrum of Decision Making and Applications</i>, 2(1), 120-134. 4. Haq, H. B. U., Irshad, M. N., & Baig, M. D. (2024). Unlocking minds: An adaptive machine learning approach for early detection of depression. <i>Healthcraft Front</i>, 2(2), 107-117. 5. Younas, R., Haq, H. B. U., & Naveed, H. (2024). Revolutionizing Early Detection: The Influence of Machine Learning in Esophageal Adenocarcinoma Diagnosis. <i>Sustainable Machine Intelligence Journal</i>, 9, 57-78. 6. Afzal, M., Ali, S., Haq, H. B. U., Younis, R., Ali, H., Kosar, A., & Akhtar, H. M. (2024). Water Quality Assessment Through Predictive Modeling Employing Machine Learning Methods. <i>Journal of Computing & Biomedical Informatics</i>, 7(02). 7. Baig, M. H. M., Haq, H. B. U., & Habib, W. (2024). A Comparative Analysis of AES, RSA, and 3DES Encryption Standards based on Speed and Performance. <i>Management Science Advances</i>, 1(1), 20-30. 8. Khalid, M., Haq, H. B. U., Janjua, Z., Akhtar, H. 	<p>Naveed, H., Younas, R., Haq, H. B. U., Abbas, S., Aslam, S., & Hassan, M. Z. (2024, October). Infodemic Vs Pandemic: Covid-19 Crisis in Pakistan Due to Rumors on Twitter. In 2024 Horizons of Information Technology and Engineering (HITE) (pp. 1-8). IEEE</p>

M. M., & Yousaf, H. M. (2024). YOLOv9-Based YOLO-Enhanced Smart Glasses for Real-Time Recognition of Pakistani Currency: Empowering the Visually Impaired. *Journal of Computing & Biomedical Informatics*, 8(01).

9. Akram, W., Mahmood, K., Haq, H.B.U., Asif, M., Chaudhry, S.A. et al. (2024). Design of an efficient and provable secure key exchange protocol for HTTP cookies. *Computers, Materials & Continua*, 80(1), 263-280.
<https://doi.org/10.32604/cmc.2024.052405>

10. Younas, R., Haq, H. B. U., & Baig, M. D. (2024). A Framework for Extensive Content-Based Image Retrieval System Incorporating Relevance Feedback and Query Suggestion. *Spectrum of Operational Research*, 1(1), 13-32

11. Baig, M. D., Haq, H. B. U., Irshad, M. N., & Akram, W. (2024). Pneumonia detection technique empowered with transfer learning approach. *Healthcraft Front*, 2(1), 20-33.

12. Baig, M. D., Haq, H. B. U., Akram, W., & Awan, A. M. (2024). Brain Tumor Detection Enhanced with Transfer Learning using SqueezeNet. *Decision Making Advances*, 2(1), 129-141.

13. Baig, M. D., Haq, H. B. U., Asif, M., & Tanvir, A. (2024). Leaf diseases detection empowered with transfer learning model. *Computer and Telecommunication Engineering*, 2(1).

14. Baig, M. D., & Haq, H. B. U. (2024). Marine Object Detection using YOLOv4 Adapted Convolutional Neural Network. *Decision Making Advances*, 2(1), 83-91.

15. Baig, M. D., Haq, H. B. U., Akram, W., & Shahzad, A. (2024). Transfer Learning Empowered Bone Fracture Detection. *Decision Making Advances*, 2(1), 60-72.

16. Haq, H. B. U., Akram, W., Irshad, M. N., Kosar, A., & Abid, M. (2024). Enhanced Real-Time Facial Expression Recognition Using Deep Learning. *Acadlore Trans. Mach. Learn*, 3(1), 24-35.

17. Baig, M. D., Akram, W., Haq, H. B. U., Rajput, H. Z., & Imran, M. (2024). Optimizing misinformation control: A cloud-enhanced machine learning approach. *Inf. Dyn. Appl*, 3(1), 1-11.

18. Iqbal, M., Tanveer, A., Haq, H. B. U., Baig, M. D., & Kosar, A. (2023, December). Enhancing customer satisfaction in e-commerce: The role of

	<p>service quality and brand trust. In Forum for Economic and Financial Studies (Vol. 1, No. 1).</p> <p>19. Haq, H. B. U., Suwansantisuk, W., & Chamnongthai, K. (2023). An Optimized Deep Learning Method for Video Summarization Based on the User Object of Interest. <i>International Journal of Advanced Computer Science and Applications</i>, 14(10).</p> <p>20. Haq, H. B. U., Irfan, M., & Saqlain, M. (2023). The concept of blockchain and its application: a review. <i>Theoretical and Applied Computational Intelligence</i>, 1(1), 49-57.</p> <p>21. Haq, H. B. U., & Saqlain, M. (2023). Iris detection for attendance monitoring in educational institutes amidst a pandemic: A machine learning approach. <i>J. Ind Intell</i>, 1(3), 136-147.</p> <p>22. Haq, H. B. U., & Saqlain, M. (2023). An Implementation of Effective Machine Learning Approaches to Perform Sybil Attack Detection (SAD) in IoT Network. <i>Theoretical and Applied Computational Intelligence</i>, 1(1), 1-14.</p> <p>23. Nawaz, S., Naeem, A, and Haq, H. B. U. (2023). Cloud Computing Services and Security Challenges: A Review. <i>Lahore Garrison University Research Journal of Computer Science and Information Technology</i>, 7(2), 17-28.</p> <p>24. Baig, D., Akram, W., Haq, H. B. U., & Asif, M. (2023). Cloud Gaming Approach to Learn Programming Concepts in Artificial Intelligence and Applications.</p> <p>25. Haq, H. B. U., Hassan, M. Z., Hussain, M. Z., Khan, R. A., Nawaz, S., Khokhar, H. R., & Arshad, M. (2022). The Impacts of Ethical Hacking and its Security Mechanisms. <i>Pakistan Journal of Engineering and Technology</i>, 5(4), 29-35.</p> <p>26. Haq, H. B. U., Abbas, A., Khan, R. A., Akhtar, A. N., Akram, W., Nawaz, S., ... & Bhatti, A. I. (2022). E-Healthcare Using Block Chain Technology and Cryptographic Techniques: A Review. <i>Pakistan Journal of Engineering and Technology</i>, 5(4), 21-28.</p> <p>27. Haq, H. B. U., Asif, M., Ahmad, M. B., Ashraf, R., & Mahmood, T. (2022). An Effective Video Summarization Framework Based on the Object of Interest Using Deep Learning. <i>Mathematical Problems in Engineering</i>, 2022.</p> <p>28. Haq, H. B., & Abbas, A. (2022). Biometric Attendance Techniques in COVID-19: A Review.</p>	
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29. Kayani, S. N., Nawaz, S., Haq, H. B. U., Hassan, M. Z., Hussain, M. Z., & Akram, W. (2022). SmartBin: An Approach to Smart Living Community Using IoT Techniques and Tools. Pakistan Journal of Engineering and Technology, 5(4), 44-51.

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33. Sultan, B., Kayani, H. U. R, Hussain, F., Zulfiqar, S., & Haq, H. B. U., "Data-driven Typhoid Fever Modelling and Computer Simulation", International Journal of Scientific & Technology Research, Vol. 10 (1), 2021.

34. Kayani, H. U. R, Hussain, F., Zulfiqar, S., Haq, H. B. U., & Malik, A. A "Computer Models For Malaria Infections, Diagnosis And Transmission Analysis", International Journal of Scientific & Technology Research, Vol. 10 (3), 2021.

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38. Haq, H. B. U., Kayani, H. U. R., Toor, S. K., Mansoor, A., & Raheem, A. "The Impact Of Social

	<p>Media: A Survey”, International Journal of Scientific & Technology Research, Vol. 9(12). 2020.</p> <p>39. Taseer, S., Haq, H. B. U., Zafar, S. "User Trust on Online Social Network on the basis of Security and privacy." IJECI 1.1. 2017</p>	
Zara janjua	<p>Khalid, M., Haq, H. B. U., Janjua, Z., Akhtar, H. M. M., & Yousaf, H. M. (2024). YOLOv9-Based YOLO-Enhanced Smart Glasses for Real-Time Recognition of Pakistani Currency: Empowering the Visually Impaired. Journal of Computing & Biomedical Informatics, 8(01).</p>	
Rabia Younas	<p>Iftikhar, Samin; Younas, Rabia; Nasir, Noshaba; Zafar, Kashif; Detection and classification of facial expressions using artificial neural network Int. J. Inf. Technol. Electr. Eng.3,3,2014.</p> <p>Rabia Younas;H Burhan ul Haq, M Daniyal Baig, A Framework for Extensive Content-Based Image Retrieval System Incorporating Relevance Feedback and Query Suggestion Spectrum of Operational Research.1,1,13-32,2024,Scientific Oasis.</p> <p>Rehman, Ramesha; Nizami, Syeda Mariyum; Younas, Rabia; Masood, Khalid; Navigating the Infodemic: The Impact of Social Media Rumors on Public Response to the COVID-19 Pandemic in Pakistan. Journal of Computing & Biomedical Informatics,7,01,107-124,2024.</p> <p>Afzal, Mehak; Ali, Shujaat; Haq, Hafiz Burhan Ul; Younis, Rabia; Ali, Hamid; Kosar, Amna; Akhtar, Hafiz Muneeb; Water Quality Assessment Through Predictive Modeling Employing Machine Learning Methods Journal of Computing & Biomedical Informatics 7 02 2024</p> <p>Rabia Younas, Hafiz Burhan Ul Haq, Hafsa Naveed; Revolutionizing Early Detection: The Influence of Machine Learning in Esophageal Adenocarcinoma Diagnosis Sustainable Machine Intelligence Journal 9 57–78 2024 Sciences Force LLC</p>	<p>Naveed, Hafsa; Younas, Rabia; Haq, Hafiz Burhan Ul; Abbas, Sabir; Aslam, Sidra; Hassan, Muhammad Zunnurain; Infodemic Vs Pandemic: Covid-19 Crisis in Pakistan Due to Rumors on Twitter 2024 Horizons of Information Technology and Engineering (HITE) 8-Jan 2024 IEEE</p>

	<p>Younas, Rabia; ul Haq, Hafiz Burhan; Deep Learning Model to Analyze Psychological Effects on Gamers Spectrum of Decision Making and Applications 2 1 120-134 2025</p> <p>Haq, Hafiz Burhan UI; Younis, Rabia; Ali, Muhammad Shujat; Towards Robust Network Security: Evaluating Machine Learning Algorithms for Intrusion Detection Decision Making Advances 3 1 126-138 2025</p>	
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