



## Faculty Profile

**Full Name:** Dr. Khaliq Ahmed Khanzada Warsi

**Position/ Designation:** Professor & Chairman

**Faculty/Department:** Computer Science

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### Short Introduction

Dr. Khaliq Ahmed is an accomplished academic and researcher with over 25 years of experience in Computer Science and Engineering, specializing in Computer Networks, Network Security, Distributed Operating Systems, Cloud Computing, and Software-Defined Networking. He has served in key academic and administrative roles, including Professor & Chairperson at Nazeer Hussain University and Associate Professor at Iqra University. With a strong research portfolio of 18+ journal publications and multiple international conference contributions, Dr. Khaliq excels in teaching, curriculum development, academic leadership, and student mentoring.

### Experience



Dr. Khaliq Ahmed has over 25 years of academic and administrative experience. He has served as Professor & Chairperson at Nazeer Hussain University, Associate Professor at Iqra University, and previously taught for many years at Sir Syed University and the University of Karachi. His roles include teaching core Computer Science courses, supervising research, leading accreditation processes, and managing key departments such as Student Affairs, Semester Examinations, Midterm Examinations, and Final Year Projects.

## Educational Information

- **PhD in Computer Science**, University of Karachi, 2023
- **M.Engg. in Computer Engineering (Computer Systems Specialization)**, NED University of Engineering & Technology, 2002
- **B.E. in Computer Engineering**, NED University of Engineering & Technology, 1997

## Achievements, Research/Publications



1. M. Sadiq Ali Khan\*, **Khaliq Khanzada** and Huma Jamshed , Realization of Aggregate Applications using Dynamic Behaviour of Cellular Automata , Indian Journal of Science and Technology, Vol 10(3) January 2017 , Pages:1-6 ISSN (Print) : 0974-6846 , ISSN (Online) : 0974-5645 , DOI: 10.17485/ijst/2017/v10i3/110621
2. MSA Khan, **Khaliq Ahmed**, M Naseem, H Jamshed, HH Rizvi, Assessment and Evaluation of Security Mechanisms in Software Define Network (SDN): A Review, The Turkish Online Journal of Design, Art and Communication-TOJDAC, Issue 2018, Pages 2472-2480, ISSN: 2146-5193, DOI NO: 10.7456/1080SSE/315.
3. **Khaliq Ahmed**, M. S. A. Khan, O. A. Siddiqui , S. A. Iftikhar , B. Das , M. Khurram , Proposed Efficient Method for Ticket Booking (PEMTB) , Journal of Fundamental and Applied Sciences is licensed under a Creative Commons Attribution-Non Commercial 4.0 International License.(African Journals Online-AJOL) , Published online: 7 March 2018 , print ISSN: 1112-9867 , Vol. 10 No. 6S (2018) , DOI: <http://dx.doi.org/10.4314/jfas.v10i6s.125> , <https://www.ajol.info/index.php/jfas/article/view/171990>
4. Huma Hassan Rizvi , Sana , Sadiq Ali Khan , M.Khurram , **Khaliq Ahmed** , Auto spruce trial system (ASTS) , 3c Tecnología: glosas de innovación aplicadas a la pyme, ISSN-e 2254-4143, Vol. 7, Nº. Extra 1, 2018 (Issue dedicated to: "Recent Trends in Computer Science and Electronics"), pages 43-52 , DOI: <http://dx.doi.org/10.17993/3ctecno.2019.specialissue.05>,[https://3ciencias.com/wp-content/uploads/2019/01/Art\\_5.pdf](https://3ciencias.com/wp-content/uploads/2019/01/Art_5.pdf)
5. **Khaliq Ahmed** , Dilawar Khan , M.Kashif Shaikh , M.Sadiq Ali Khan , Saima Tabassum and M.Zakir Shaikh , Ensemble-Learning Framework as a Security Model for Hardening The Security Posture of Software Defined Networked in perspective of Cyber Law , RUSSIAN LAW JOURNAL Volume XI (2023) Issue 6s , IF:0.239 , ISSN:2312-360506,23098678 , DOI: [//doi.org/10.52783/rlj.v11i6s.924](https://doi.org/10.52783/rlj.v11i6s.924) <https://www.russianlawjournal.org/index.php/journal/article/view/924>
6. **Khaliq Ahmed**, Asif Raza, Maheen Danish, Kashif Sheikh, and Fozia Noor , IoT Empowerment in Healthcare: Detailed ECG Analysis and Prediction by using 2D Gaussian Filter , Innovative Computing Review (ICR) vol. 4, no. 1, pp. 51–69, June 12 June 2024, doi: <https://doi.org/10.32350/icr.41.04> , ISSN(P): 2791-0024, ISSN(E): 2791-0032 , <https://journals.umt.edu.pk/index.php/ICR>
7. Syed Atir Iftikhar , Mzammil Ahmed , **Khaliq Ahmed**, M.Kashif Shaikh and Osama Ahmed Siddiqui , Exploring the Solar Science Learning Journey with Virtual Reality , **Pakistan Journal of Engineering Technology and**



**Science (PJETS)** Volume 12. Issue.02, PP. 14-21, December 2024 , doi:  
<https://doi.org/10.22555/pjets.v12i2.1135>, E-ISSN 2224-2333 , P-ISSN 2222-9930

8. **Khaliq Ahmed** , Syed faraz Liaquat , M.Najmul Islam Farooqui, M. Nadeem, Mishal Ahmed and Manzer Ahmed , Reducing the Risk of Cyber Attack in SDN Network by using Blockchain, VAWKUM Transactions on Computer Sciences) Volume 12, Number 2, July-December 2024 pp: 191-204, ISSN(e): 2308-8168, ISSN(p): 2411-6335 , <http://vfast.org/journals/index.php/VTCS@2024>
9. Umm-E-Laila, Khalid Mahboob, Samar Raza Talpur, **Khaliq Ahmed**, Mohammad Khurram, Kamran Ahmed, Muhammad Sarfaraz , Machine Learning-Based Mobile Device Resale Price Estimator: A Predictive Analytics Approach, **ISSN (P):** 2412-0448, **ISSN (E):** 1998-4154 , Volume 22 Issue 2 , 18 December 2024,  
<https://jisrc.szabist.edu.pk/ojs/index.php/jisrc/article/view/241/172> , DOI: 10.31645/JISRC.24.22.2.11
10. Asif Raza , Abdul Hamed Pitafi , M. Khsif Shaikh , **Khaliq Ahmed** , Optimizing potato leaf disease recognition: Insights DENSE-NET-121 and Gaussian elimination filter fusion , Volume 11, Issue 3, 15 February 2025, e42318 , Online ISSN: 2405-8440 , <https://doi.org/10.1016/j.heliyon.2025.e42318>
11. Arshad Ali, **Khaliq Ahmed** , Muzammil Ahmed Khan , Muhammad Nadeem, Hermain Fayyaz Karim, Dr Gulam Mustafa , Exploring Generative Adversarial Networks (GANs) for Image Synthesis , Journal: Spectrum of Engineering Sciences Online ISSN: 3007-3138 , Print ISSN: 3007-312X , Vol. 3 No. 2 (2025) , Published:10-02-2025 [https://cosmosimpactfactor.com/page/journals\\_details/9284.html](https://cosmosimpactfactor.com/page/journals_details/9284.html)
12. Muhammad Khalid, Salman Akber, **Khaliq Ahmed**, Abdul Khaliq, Muhammad Sohaib Naseem, Rimsha Abbas , From Tweets to Trends: Analyzing FinTech's Focus on Innovation and the Overlooked Sustainable Development Goals : THE ASIAN BULLETIN OF GREEN MANAGEMENT AND CIRCULAR ECONOMY , ISSN (online): 2959-0035 , ISSN (Print): 2959-0027, <http://abgmce.com/10.62019/abgmce.v5i1.121> , Vol 5, Issue 1(2025)
13. Bismah Hassan , Khalid Bin Muhammad, **Khaliq Ahmed** , Ethical Hacking in the AI Era: Enhancing Cybersecurity for Sustainable Digital Transformation, THE ASIAN BULLETIN OF GREEN MANAGEMENT AND CIRCULAR ECONOMY , <https://abgmce.com/index.php/Journal/article/view/125/90> , ISSN (online): 2959-0035 , ISSN (Print): 2959-0027
14. **Khaliq Ahmed**, Khalid bin Muhammad, Ali Ahmad Siddiqui, Abdul Khaliq , Toward Robust SDN Architectures: A Machine Learning Approach to DDoS Detection , THE ASIAN BULLETIN OF BIG DATA MANAGEMENT , Vol. 5. Issue 2 (2025) <https://doi.org/10.62019/abbdm.v5i2.327> , ISSN (online): 2959-0809 , ISSN (Print): 2959-0795 , <https://abbdm.com/index.php/Journal/article/view/327/322>



15. **Khaliq Ahmed**, Khalid bin Muhammad, Ali Ahmad Siddiqui, Abdul Khaliq , Dense Neural Network Classification Model for Software Defined Network for Fine-Grained Traffic Routing and Flow Analysis , Pakistan Journal of Engineering Technology and Science (PJETS) , Volume 13. Issue.01, PP. 61-68, June 2025 <https://doi.org/10.22555/pjets.v13i1.1257>, ISSN (online): 2959-0809 , ISSN (Print): 2959-0795 , <https://journals.iobm.edu.pk/index.php/pjets/article/view/1257/767>
  
16. Umm-e-Laila , Khalid Mahboob , Samra Raza , **Khaliq Ahmed**, Madiha Zehra, M. Khurram , Evaluating the Impact of Quick-Eats on Student Experience and Canteen Operations at IOBM, Journal of Information & Communication Technology - JICT Vol. 19 Issue. 1 <https://jict.ilmauniversity.edu.pk/arc/Vol19/i1p5> , ISSN (online): 2075-7239, ISSN (Print): 2415-0169, <https://jict.ilmauniversity.edu.pk/journal/jict/19.1/5.pdf>
  
17. **Khaliq Ahmed**, Khalid bin Muhammad, Malik Zohaib Husaain , Abdul Khaliq , An Explainable and Accurate Machine Learning Approach for Early Heart Disease Prediction Using Feature Selection and Ensemble Techniques, THE ASIAN BULLETIN OF BIG DATA MANAGEMENT , Vol. 5. Issue 2 Page 32-40 (2025) <https://doi.org/10.62019/abbdm.v5i2.335> , ISSN (online): 2959-0809 , ISSN (Print): 2959-0795 , <https://abbdm.com/index.php/Journal/article/view/335/328>
  
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Conference Publications:

1. **Khaliq Ahmed**, M. S. A. Khan, O. A. Siddiqui , S. A. Iftikhar , B. Das , M. Khurram , Proposed Efficient Method for Ticket Booking (PEMTB) , 3rd INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTER SCIENCE AND ELECTRONICS (RTCSE) , January 2018 , Radisson Blu Plaza, 489 Sukhumvit Road, Klongtoey Nua, Wattana 10110 Bangkok, Thailand
  
2. M.Sadiq Ali Khan, **Khaliq Ahmed** , M.Naseem , Huma Jamshad , Huma Rizvi and Bhagwandas, Assessment and Evaluation of Security Mechanisms in Software Defined Network (SDN): a review , 3rd INTERNATIONAL



CONFERENCE ON RECENT TRENDS IN COMPUTER SCIENCE AND ELECTRONICS (RTCSE) , January 2018 , Radisson Blu Plaza, 489 Sukhumvit Road, Klongtoey Nua, Wattana 10110 Bangkok, Thailand

3. Anila Saghir , Maria Ashraf , Bilal Ahmed Bhatti , **Khaliq Ahmed** , Ali Akbar Siddiqui , Performance Evaluation of Software Defined Networking (SDN) for Traffic Management in Wireless Sensor Networks , Global Conference on Wireless and Optical Technologies 2024 , **September 25<sup>th</sup> to 27<sup>th</sup>, 2024** , <https://ieeexplore.ieee.org/document/10805646/authors#authors> ,

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