OBJECTIVE

To teach in the field of I.T, where I can get opportunities for career growth and learning.

PERSONAL/BRIEF INFORMATION:

Name	Dr. Kashif Mehboob Khan (HEC Approved Ph.D. Supervisor)
Father's Name	Muhammad Mehboob Khan
Designation	Assistant Professor
Professional & International Membership	Member of Blockchain Community, IEEE/ Membership No. 95502101, Pakistan Engineering Council / Membership No. COMP / 8986, IEP Membership
LinkedIn Profile	https://www.linkedin.com/in/dr-kashif-mehboob-khan/

CAREER HIGHLIGHTS:

Highest Qualification:	Ph. D (2019): Major: Blockchain (Security)
Total Experience:	19 years: Five Years in Industry and 14 years in teaching at NED University
Publication Count:	Total Publication Count: **20** • HEC Recognized Journal Paper Publications: 17 (**Total JCR Impact Factor: 26**) o JCR W Category: Six papers (Total W Category JCR Impact Factor: 24.18) o JCR X Category: Two papers (Total X Category JCR Impact Factor: 1.82) o ISI Indexed/Y Category: Nine Papers including ISI indexed International Paper • International Book Chapters (02): Two chapters (One published by Springer and one IGI Global) • Conference Paper: One national conference paper

EDUCATIONAL QUALIFICATION:

2019	**Ph.D. in Blockchain Security. (First Pakistani to achieve Ph.D. in Blockchain Security)** NED University of Engg. & Technology
2006 - 2009	**Master in CS & I.T** NED University of Engg. & Technology
2002 - 2005	**BS in Computer Engineering** Sir Syed University of Engineering & Technology, Karachi (1st Div)

TOTAL PROFESSIONAL EXPERIENCE: 19 Years

PROFESSIONAL TEACHING EXPERIENCE: 2010 to Present

1) <u>**IO Concepts (Registered with PASS (Pakistan Advance Software Services)**</u>
   Six years' experience of teaching Computer Engineering subjects. 2002 -- 2005

2) <u>**Sir Syed University of Engineering & Technology**</u>
   As a T.A from September 2005 to December 2005.
   As a **Lecturer** since January 2010 to June 2010

3) <u>**N.E.D University**</u>:
   Currently working in N.E.D University since July 2010 (June 2010 to Feb 2018 as a Lecturer, March-2018 onward as an Assistant Professor.)

PROFESSIONAL INDUSTRIAL EXPERIENCE: 2006 to 2010

1) **Employer**: Clipsal Pakistan, **Duration**: August 2004 to May 2004 **Desig.** Trainee N/W Engg
2) **Employer**: NDC Tech BPO, **Duration**: 12th March 2006 to 4th August 2006 **Desig.** Developer
3) **Employer**: TCS (Pvt.) Ltd. **Duration**: August 2006 to December 2010 **Desig.** System Analyst

PROFESSIONAL SCIENTIFIC ACTIVITIES / ENGAGEMENTS:

1. Idea selected in an open call (**under the European Union's Horizon 2020 Research and Innovation Program**) on blockchain research. Acceptance rate was approximately 13.13%.
2. **International Research Collaboration** on Blockchain with Daniel Kraft, **chief scientist at Namecoin**. (2015/16)
3. Initiated and successfully running first ever PGD in Blockchain since 2023 (Two successive batches) with leading industrial collaboration for real world projects.
4. Recently **designed a fully functional blockchain as a service scalable component to transform** SME's towards Industrial Revolution . 4.0. (2023)
   Conducted training Workshop/Technic al Session on "**Digital Banking--Blockchain & Cryptocurrency** " at Summit Bank Head Office.
5. Industrial Linkage (Meetup with Bin Qasim Packages Private Limited).

MAJOR CERTIFICATIONS:

1. Microsoft certificate of Excellence 2009
2. Microsoft Certified Technology Specialist on Windows Sharepoint Services 3.0 Visual C#, Certification ID: 7215338 (2009)
3. International certification on "Essential Features of .NET Framework 4.0"
4. AWS Fundamental & Security certifications

ACHIEVEMENTS AND AWARDS:

1. Award of for **designing and development** of an e-Invoicing application. (2008)
2. Awarded for **Best Poster** in 1st International Conference (ICONICS) at NED University, Karachi. (2016)
3. Presented **Poster** on Blockchain Based Secure e-Voting, at **University of West London, UK.** (2017)
4. Award for **Publication** of high quality research papers by NED University.
5. **Best Researcher Award** by NED University (2021).
6. Selected for Pitched Idea in **International ONTO CHAIN Summit 2022** at Berlin, Germany.
7. Officially invited in **International ONTO CHAIN Summit 2023** at Berlin, Germany.
8. Featured among "**World's top 200 scientists in 2022 & 2023 by AD Scientific Index** "

9. **Chaired** session at the conference **ICONICS-2022** by NED University (Department of CS&IT).

Total JCR Impact Factor: 26 since 2020

1. **Kashif Mehboob Khan**, Junaid Arshad, M. Mubashir Khan **(2018)** , "Secure Digital Voting System Based on Blockchain Technology", International Journal of Electronic Government Research Volume 14 , Issue 1 , January-March 2018 **(ISI Indexed: IF 1.2 assigned on 2023)**

2. **Kashif Mehboob Khan**, Junaid Arshad, M. Mubashir Khan **(2020)** , "Investigating Performance Constraints for Blockchain Based Secure e- Voting System" , Future Generation Computer System **(JCR Q1, Impact Factor 6.125)**

3. **Kashif Mehboob Khan**, Junaid Arshad, M. Mubashir Khan **(2020)** , "A Simulation and Analysis of Transaction Malleability Attack in Blockchain", Computers and Electrical Engineering **(JCR Q1, Impact Factor 2.663)**

4. **Kashif Mehboob Khan**, Junaid Arshad, M. Mubashir Khan **(2021)** , "Empirical Analysis of Transaction Malleability within Blockchain-based e- Voting" , Computers & Security **(JCRQ1, Impact Factor 4.438)**

5. **Kashif Mehboob Khan**, Junaid Arshad, M. Mubashir Khan **(2022)**, "Blockchain-enabled real-time SLA monitoring for cloud- hosted services" , Cluster Computing **(JCR, Impact Factor 2)**

6. **Kashif Mehboob Khan**, Junaid Arshad, M. Mubashir Khan **(2021)** , "A blockchain-based decentralized machine learning framework for collaborative intrusion detection within UAVs" , Computer Networks **(JCRQ1, Impact Factor 4.474)**

7. Mehjabeen, **Kashif Mehboob Khan**, Shafaque Khan, "Effects of ciprofloxacin or co-amoxicillin with and without antidepressants on behavioral deficit in rats induced with chronic suppurative otitis media—Blockchain Data Modelling", PJPS 34 (5), 1945—1949 **(JCR, Impact Factor 0.684)**

8. **Kashif Mehboob Khan**, Warda Haider, Najeed Ahmed Khan, Darakhshan Saleem " Big Data Provenance using Blockchain for Qualitative Analytics via Machine Learning", JUCS. **(JCR Impact Factor 1.139)**

9. **Kashif Mehboob Khan**, Junaid Arshad, Darakhshan, "TruPro: A blockchain-based decentralised prosumer electricity Trading Platform for Electrical Vehicles", Cluster Computing **(JCR Impact Factor 4.48)**

10. **Kashif Mehboob Khan** , Rida Taufique, Maryah Abdul Rauf " Investigating the Price Oracle Problem", Mehran University Research Journal of Engineering and Technology (2022), (ISI Indexed & HEC Recognized)

11. **Kashif Mehboob Khan**, Muhammad Abdullah Hayat, Rana Muhammad Ibrahim **(2022)**, "Investigating the Impact of Consensus Algorithm on Scalability in Blockchain Systems" , Sir Syed University Research Journal of Engineering & Technology

12. **Kashif Mehboob Khan**, Muhammad Abdullah Hayat, Ansha Zahid **(2022)** ," Empirical analysis of vulnerabilities in blockchain-based smart contracts" , Sir Syed University Research Journal of Engineering & Technology

13. **Kashif Mehboob Khan**, Shafaque Khan **(2022)**, "Investigating the Impact of Delayed Mining upon Scaling Blockchain Applications under Malleability Attack— An e-Voting Scenario",

Pakistan Journal of Engineering and Technology

14. **Kashif Mehboob Khan**, Aabira Fahim, Darakhshan M Saleem, Marvi Jokhio **(2023)**, "Empirical Investigation on Blockchain Interoperability" , VFAST Transactions on Software Engineering

15. Marrium Shakil, Darakhshan M Saleem, **Kashif Mehboob Khan**, Sarmad Shams **(2023)**, "Fuzzy smart framework for diagnosis of liver disorder in Rheumatoid arthritis ". VFAST Transactions on Software Engineering

16. Shafaque Mehboob, Naveed Ahmed, **Kashif Mehboob Khan**, Kiran Rafiq, SM Tariq Rafi "

Accuracy of Fine Needle Aspiration Cytology as primitive diagnostic tool in local population of Pakistan", Pak Euro Journal of Medical and Life Sciences (2022). HEC Recognized

17. Moona Mehboob Khan, Shafaque MK, Kiran Rafiq, Darakhshan M. Saleem, **Kashif MK**, Sabahat Naeem, Mahwish Akhtar "Anti-depressant Effect of Fluoxetine on Brain Indolamine Levels to Improve the RA Associated Depression in Adjuvant Induced Arthritic Rats". RADS Journal Of Pharmacy And Allied Health Sciences (2023). HEC Recognized

BOOK CHAPTERS:

1. **Khan, Kashif Mehboob,** et al. "An Empirical Investigation of Blockchain Scalability." Trust Models for Next-Generation Blockchain Ecosystems. Springer, Cham, 2021. 105-133.
2. **Khan, Kashif Mehboob,** et al. "Secure digital voting system based on blockchain technology." (IJEGR) 14.1 (2018): 53-62.

CONFERENCE PAPER:

1. **Kashif Mehboob Khan**, Muhammad Shariq Khan, Muhammad Zuhair, Muhammad Danish, "SSS: Investigating Secure Scalable Solutions for Blockchain (An SLA Scenario)", ICONICS'24

JOURNAL REVIEWER:

2. IEEE Access (JCR Impact Factor 4.640)
3. Cluster Computing (JCR Impact Factor 4.4)
4. Transactions on Emerging Telecommunications Technologies (JCR Impact Factor 1.594)