



## EMPLOYEE PROFILE

DEPARTMENT OF COMPUTER SCIENCE  
GOVERNMENT COLLEGE UNIVERSITY  
LAHORE



### Dr. Ayesha Atta

Assistant Professor, Computer Science

#### Area of Interest:

- Computational Intelligence
- Big Data
- Machine Learning
- Internet of Things
- Cloud Computing

**HEC Approved PhD Supervisor**

I, Dr. Ayesha Atta is currently working as Assistant Professor in the department of computer science, Government College University Lahore (GCU). I completed my PhD from National College of Business Administration and Economics (NCBA&E) in 2020 and accomplished my research work in the field of Artificial Intelligence.

### Publications:

1. H. M. Alzoubi, N. Sahawneh, A. Q. AlHamad, U. Malik, A. Majid and **A. Atta**, "Analysis Of Cost Prediction In Medical Insurance Using Modern Regression Models," *2022 International Conference on Cyber Resilience (ICCR)*, Dubai, United Arab Emirates, 2022, pp. 1-10, doi: 10.1109/ICCR56254.2022.9995926.
2. **A. Atta**, M. A. Khan, M. Asif, G. F. Issa, R. A. Said and T. Faiz, "Classification of Skin Cancer empowered with convolutional neural network," *2022 International Conference on Cyber Resilience (ICCR)*, Dubai, United Arab Emirates, 2022, pp. 01-06, doi: 10.1109/ICCR56254.2022.9995928.
3. Taher M. Ghazal; Mohammad Kamrul Hasan; Amelia Natasya Abdul Wahab; Amer Ibrahim; **Ayesha Atta**; "Towards Privacy Provisioning for Internet of Things (IoT)," *2022 International Conference on Cyber Resilience (ICCR)*, Dubai, United Arab Emirates, 2022, pp. 01-07, doi: 10.1109/ICCR56254.2022.9995916.
4. T. Mohamed *et al.*, **A. Atta**, "Intelligent Hand Gesture Recognition System Empowered With CNN," *2022 International Conference on Cyber Resilience (ICCR)*, Dubai, United Arab Emirates, 2022, pp. 1-8, doi: 10.1109/ICCR56254.2022.9995760.
5. **Ayesha Atta**, Sagheer Abbas, M. Adnan Khan, Gulzar Ahmed, Umer Farooq, "An Adaptive Approach: Smart Traffic Congestion Control System", *Journal of King Saud University-Computer and Information Sciences* Monthly ISSN: 1319-1578, Elsevier Science BV, PO Box 211, Amsterdam, Netherlands, 1000 AE, vol. 23, pp. 1012-1019, 2020, DOI. <https://doi.org/10.1016/j.jksuci.2018.10.011>, PII. S1319-1578(18)30856-5, Reference:

6. Muhammad Adnan Khan, Sagheer Abbas, **Ayesha Atta**, Allah Ditta, Hani A., Muhammad Farhan Khan, Atta-ur-Rahman, and Rizwan Ali Naqvi, "Intelligent Cloud-Based Heart Disease Prediction System Empowered with Supervised Machine Learning", *Computers, Materials & Continua (CMC)*, ISSN: 1546-2218 (print), ISSN: 1546-2226 (online), vol: 65, no: 01, pp.139-151, [doi:10.32604/cmc.2020.011416](https://doi.org/10.32604/cmc.2020.011416), 2020. [IF= 4.89, ISI Indexed, Q1].
7. Atif, S. A. R. Kazmi, **A. Atta**, M. F. Mushtaq, M. Idrees, I. Fakir, M. Safyan, Muhammad Adnan Khan and A. Qasim, "Intelligent Cloud-Based Load Balancing System Empowered with Fuzzy Logic", *Computers, Materials & Continua (CMC)*, ISSN: 1546-2218 (print), ISSN: 1546-2226 (online), vol. 67, no. 1, pp. 519-528 , DOI: [10.32604/cmc.2021.013865](https://doi.org/10.32604/cmc.2021.013865), 2021. [IF= 4.89, ISI Indexed, Q1].
8. M. Gollapalli, . Atta-ur-Rahman, D. Musleh, N. Ibrahim, Ayesha Atta et al., "A neuro-fuzzy approach to road traffic congestion prediction," *Computers, Materials & Continua (CMC)*, ISSN: 1546-2218 (print), ISSN: 1546-2226 (online), vol. 73, no.1, pp. 295–310, 2022. DOI: [10.32604/cmc.2022.027925](https://doi.org/10.32604/cmc.2022.027925) , 2022. [IF= 4.89, ISI Indexed, Q1].
9. **Ayesha Atta**, Muhammad Adnan Khan, Sagheer Abbas, Gulzar Ahmad, Muhammad Saleem Khan, "Adaptive IoT Empowered Smart Road Traffic Congestion Control System Using Supervised Machine Learning Algorithm", Paper is accepted in *Computer Journal*, ISSN: 0010-4620, E-ISSN: 1460-2067, Oxford Univ Press, Great Clarendon St, Oxford, England, OX2 6DP. May 2020. DOI: <https://doi.org/10.1093/comjnl/bxz129>. [IF=1.077, ISI Indexed, Q2].
10. A. Inam, Zhuli, A. Sarwar, S. Din, **A. Atta**, I. Naseer, S.Y. Siddiqui and Muhammad Adnan Khan, "Detection of Covid-19 Enhanced by a Deep Extreme Learning Machine", the paper is accepted in *Intelligent Automation & Soft Computing (IASC)*, ISSN: 1079-8587 (print), ISSN: 2326-005X (Online), vol. 27, no. 3, pp. 701-712, [doi:10.32604/iasc.2021.014235](https://doi.org/10.32604/iasc.2021.014235), 2021. [IF= 1.276, ISI Indexed, Q2].
11. M. K. Hasan, M. A. Khan, G. F. Issa, **A. Atta**, A. S. Akram and M. Hassan, "Smart Waste Management and Classification System for Smart Cities using Deep Learning," 2022 *International Conference on Business Analytics for Technology and Security (ICBATS)*, 2022, pp. 1-7, doi: 10.1109/ICBATS54253.2022.9759087. [IF= 3.557, ISI Indexed, Q1].
12. Sagheer Abbas, Muhammad Adnan Khan, **Ayesha Atta**, Gulzar Ahmad, Anwar Saeed, Nida Anwar, "Multi-User Detection Using Fuzzy Logic Empowered Adaptive Back Propagation Neural Network (FLeABPNN)", *Neural Network World*, ISSN: 1210-0552 Acad Sciences Czech Republic, Inst Computer Science, Pod Vodarenskou Vezi 2, 182 07 Prague 8, Czech Republic. Vol: 19, issue: 06, pp. 381-401, DOI: [10.14311/NNW.2019.29.024](https://doi.org/10.14311/NNW.2019.29.024), 2019. [IF=0.957, ISI Indexed, Q3].
13. **Ayesha Atta**, Muhammad Adnan Khan, Sagheer Abbas, Gulzar Ahmad, Areej Fatima, "Modeling Smart Road Traffic Congestion Control System Using Machine Learning Techniques", *Neural Network World*, ISSN: 1210-0552 Acad Sciences Czech Republic, Inst Computer Science, Pod Vodarenskou Vezi 2, 182 07 Prague 8, Czech Republic, Volume 19, issue 2, 99-110 (2019), DOI: [10.14311/NNW.2019.29.008](https://doi.org/10.14311/NNW.2019.29.008). [IF=0.957, ISI Indexed, Q3].

**14. Ayesha Atta**, “Simulation and Performance Analysis of DSR, GRP and TORA Ad hoc Routing Protocol”, International Journal of Computer Science and Information Security. ISSN # : IJCSIS ISSN 1947-5500, Year of Publication : **2016**, Volume # : 14 No. 11 [**IF=0.5, ISI Indexed**].

**15.** Human Blood Pressure and Body Temp Analysis Using Fuzzy Logic Control System, IJCSNS International Journal of Computer Science and Network Security, VOL.17 No.12, December **2017**. Syeda Binish Zahra , Talmeez Hussain , **Ayesha Atta** , M. Saleem Khan.

## Qualification:

<i>Ph.D., Computer Science</i>	<i>2020</i>
<i>MPhil, Computer Science</i>	<i>2013</i>
<i>MS, Information Technology</i>	<i>2005</i>
<i>BCS, Computer Science</i>	<i>2003</i>

## Experience:

### Assistant Professor

Department of Computer Science  
Government College University Lahore, Pakistan  
2014 till now

### Lecturer

Department of Computer Science  
Government College University Lahore, Pakistan  
2010 to 2014