

DR. ATIF ISHAQ KHAN

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YouTube Channel:

<https://www.youtube.com/channel/UCLFdMI1WfnJ3ws9r1LYb3Zw>

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Research Interest

Data Mining, Information Retrieval, Formal Methods, Agent Modeling, Cloud Computing, Modeling & Simulation and related fields

Publications

1. **Atif Ishaq Khan**, Hassan Saud, Syed Asad Raza Kazmi, Muhammad Ilyas Fakhir. "Database Security Empowered with Independent Field Encryption", VAWKUM Transaction on Computer Science, 12(1), pp 125-135, 2024.
2. Ilyas Fakhir, Asad Raza Kazmi, Awais Qasim, **Atif Ishaq**. "SMACS: A framework for formal verification of complex adaptive systems", Open Computer Science, 13(1), pp 20220275, 2023.
3. **Atif Ishaq Khan**, Syed Asad Raza Kazmi, Awais Qasim. "Fomal Modeling of Self-adaptive Resource Scheduling in Cloud", Computers, Material & Continua, 74(1), pp:1187-1193, 2023.
4. Asad Raza Kazmi, Maryam Kanwal, Ilyas Fakhir, Awais Qasim, **Atif Ishaq**, "Automated Verification of Star-Vote in the Applied Pi Calculus", VFAST Transaction on Software Engineering, 10(4), pp :75-180, 2022.
5. Ilyas Fakhir, Maham Tahir, Asad Raza Kazmi, Awais Qasim, **Atif Ishaq Khan**. "Formal Modeling and Verification of E-Learning Based Adaptive System", Journal of Critical Reviews, India, 8(1), pp: 693-706, (2021).
6. **Atif Ishaq Khan**, Syed Asad Raza Kazmi, Ayesha Atta, Muhammad Faheem Mushtaq, et. al, "Intelligent Cloud Based Load Balancing System Empowered with Fuzzy Logic", Computers, Material & Continua, 67(1), pp:519-528, 2021.

Conference Paper

1. Syed Ali Raza, Asma Kanwal, Harish K G Nair, **Atif Ishaq Khan**, Iftikhar Naseer, Muhammad Amjad, et. al. " User Feedback based Trust Analysis in Cloud Computing using Machine Learning Approach", 2023 International Conference on Business Analytics for Technology and Security (ICBATS), Dubai, United Arab Emirates, 2023, pp. 1-8, doi: 10.1109/ICBATS57792.2023.10111217

Research Students Supervised

- Ms. Beenish Allah Dita, Formal Modeling of Context Aware Environment (2021)
- Ms. Amna Kanal, Self-Adaptive Agent based Bilateral Negotiation (2021)
- Mr. Azeem, Punjabi Shahmukhi Text Summerization (2023)
- Currently Supervising 04 MPhil Students
- Supervised more than 100 undergraduate students for their Final Year Projects

Education:

PhD Computer Science	Govt. College University, Lahore Thesis Title: Formal Modeling and Verifying Self Adaptive Strategy of Resources in Cloud Computing Research Supervisor: Prof. Dr. Syed Asad Raza Kazmi PCD No.: 28919
MS(CS)	Virtual University, Pakistan. 2013 (3.97/4.00 CGPA) Thesis Titled: Application of Agent oriented Requirement Engineering to Bilateral (Human-Agent) Negotiation. Research Supervisor: Dr. Moez ur Rehman
M.Sc. (CS)	PUCIT, University of Punjab, Lahore. 2005 (2.74/4.00 CGPA) Project Titled: Real Estate Guide (ASP & SQL Server)
BS (CS)	Allama Iqbal Open University. 2002 (1st Division) Project Titled: Warranty Claims Management System (PHP & MySQL)

Work Experience

Assistant Professor, Department of Computer Science, G.C University, Lahore (June, 2023 to present)

Additional Responsibilities

- Admission Counsellor for Undergraduate Program
- Advisor to University Project “Campus Management System”
- Member Departmental Academic Committee

Assistant Professor, Department of Computer Science, G.C University, Lahore (June, 2023 to date)

Lecturer, Department of Computer Science, G.C University, Lahore (March, 2015 to June, 2023)

- Following is the list of courses I taught so far
 1. Software agents
 2. Mobile Application Development

3. Data Structures & Algorithms
4. Object Oriented Programming
5. Programming Fundamentals
6. Theory of Automata
7. Compiler Constructions
8. Graph Theory
9. Web Engineering
10. Database Management System
11. E-Commerce
12. Operating Systems

Other Responsibilities

- Departmental Time Table In-charge(2015-2021)
- Batch Coordinator (Session 2014-2018. 2018-2022 and 2022-2026)
- Member of Board Of Studies (BOS) (2018-2022)
- Member Departmental Academic Committee
- Member of Technical Committee of University Management System
- Development of Lab Manuals for Programming Courses
- Supervision of Final Year Student Projects
- Supervision of MPhil Research Students

Professional Teaching Experience:

Visiting Lecturer Govt. College University, Lahore (2014 to Present)
Course at Undergraduate Level

- Programming Fundamentals
- Object Oriented Programing
- Data Structures
- Theory of Automata
- Compiler Construction
- Web Engineering

Course at MPhil Level

- Advanced Theory of Computation
- Research Methods

Visiting Lecturer Peak Solution College Lower Mall Campus (2007 to 2015)
Experience: Approximately 08 years

- Electronic Commerce to M.Com Class
- Web Development in PHP & MYSQL
- Information Technology to MBA Students

Visiting Lecturer PUCIT, University of Punjab (2006 – 2008)

Experience: Approximately 02 years

- Fundamental of Computer Science

- Network Plus

Lecturer

Professor Inn. Academy, Riwaz Garden (2006 – 2012)

Experience: Approximately 06 years

- Taught Computer Science Subject to ICS Students
- Taught Computer Science Subjects (Database, Operating System & Information Technology) to Graduate Students

Software Development:

Programmer, 2007 to 2015 (Approximately 08 years)

Govt. College University, Lahore

- Developed *Payroll System* (Salary Section).
- Developed *Budget Information System* (Payment Section).
- Developed Software for Printing of Computerized Cheques (Cheque Section).
- Database backup and recovery and maintenance of *General Ledger System*

Data Processor, 2002 to 2007 (Approximately 05 years)

Govt. College University, Lahore

- Developed the first version of Payroll System (Salary Section)

Professional Trainings / Workshops:

- Professional Training for Teachers on Pedagogy and Andragogy 2015 at GC University, Lahore
- PPRA (2014) G.C. University, Lahore
- Oracle 9i DBA (2008) Techno-Ed (Pvt) Ltd, Lahore
- FOSSAC'2005 (2005) PUCIT, Punjab University, Lahore

Personal Profile

Father Name: Muhammad Ishaq Khan

Date of Birth: 25-05-1976

CNIC No.: 35202-4311692-7

Passport No.: VB4126921

Marital Status: Married

Nationality: Pakistani

References

1. Prof. Dr. Asad Raza Kazmi
GC University, Lahore, Pakistan
Email: arkazmi@gcu.edu.pk
2. Dr. Muhammad Safyan
Associate Professor
GC University, Lahore
Email: safyanch@gcu.edu.pk