

CURRICULUM VITAE

1. PERSONAL DATA

Name: Saeed Ullah Jan
Date of Birth: 11-April-1981
Nationality: Pakistani
Contact Address: Assistant Professor of Computer Science
Govt. College Wari (Dir Upper)
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Citations – 676
h-index – 18
i10-index – 21

2. ACADEMIC/PROFESSIONAL PARTICULARS

(a) **Area of Specialization**

1. Computer Science, Cryptography & Network Security, Authentication, Aggregation, Encryption, Cyber Security and Privacy, IoT, Cloud Computing, e-healthcare security, Teleworking environment, IoD, Distributed and Multiserver environment
2. Formal System Analysis Methods (ROM, ROR, BAN, GNY)
3. System Analysis Tools (AVISPA, Scyther)
4. System Automated Verification Tool (ProVerif)

(b) **Qualification**

DOCTORATE

1. **Degree:** PhD
2. **Major:** Computer Science
3. **Year:** 2021
4. **University:** University of Malakand
5. **Country:** Pakistan
6. **CGPA:** 3.50/4
7. **Dissertation Title:** Design and Analysis of Lightweight Authentication Protocol for Securing Internet of Drones (IoD)

MASTER

1. **Degree:** MPhil
2. **Major:** Computer Science
3. **Year:** 2016
4. **University:** University of Malakand
5. **Country:** Pakistan
6. **CGPA:** 3.23/4
7. **Dissertation Title:** An Improved Lightweight Privacy-Preserving Authentication Scheme for SIP-Based-VoIP using Smart Card

UNDERGRADUATE

1. **Degree:** BS
2. **Major:** Computer Science
3. **Year:** 2007
4. **University:** University of Malakand
5. **Country:** Pakistan
6. **CGPA:** 3.23/4
7. **Project Title:** Human Resource Management System for Hunza Sugar Mills Working over Local Area Network

(c) Academic Honors and Awards

1. **Best Teacher Award** of Higher Education Department, Khyber Pakhtunkhwa, Pakistan
2. **Best Focal Person** of Higher Education Management Information Cell, Khyber Pakhtunkhwa
3. **Prime Minister National Laptop** awarded by Higher Education Commission, Pakistan
4. **Faculty Development Support Scholarship** by the Government of Khyber Pakhtunkhwa
5. **Prime Minister Fee Reimbursement:** reimbursed by Higher Education Commission, Pakistan
6. **Nomination as DDO** for the newly established GDC Darora Dir Upper
7. **Remarks of Employer (HED-KP):** "In fact, Dr Saeed Ullah Jan, Assistant Prof of Com/Sce, is intelligent, hard-working and devoted to his job. He is well expert in financial matters of pupil funds, govt funds, and KPPRA rules. He is very cooperative and helps the principals and staff with the college's financial, administrative, and clerical matters. On account of his services, he was awarded "Best Teacher Award" by this office in the year 2019."

(d) Membership of Professional Bodies

1. Editorial Board Member for Journal of Information Analysis
2. Editorial Board Member for SCIREA Journal of Computer
3. Editorial Board Member for SchoLink Journal of Communication, Media and Society
4. Editorial Board Member for International Social Science Journal Monte (ISSJM) - Institute for Scientific Research and Development (Montenegro)
5. Editorial Board Member, International Journal of Social Sciences & Culture, Nevada, US
6. Program Team Member (PTM) of the 7th International Conference on Software Engineering and Applications (SOEA 2023)
7. Program Team Member (PTM) in EAI International Conference on the I2X
8. Program Team Member (PTM) in 2nd EAI International Conference on Forthcoming Networks and Sustainability in the IoT Era
9. Program Team Member (PTM) in 6th EAI International Conference on Advanced Hybrid Information Processing.
10. Program Team Member (PTM) in 18th EAI International Conference on Security and Privacy in Communication Networks

(e) Language Proficiency

English: RSW

Urdu: RSW

Pashto:

Mother Tongue

3. CAREER DETAILS

(a) Academic Positions Held

1. **Assistant Professor (BPS-18)**, Computer Science, Higher Education Department, Khyber Pakhtunkhwa, **2022-Present**
2. **Senior Lecturer (BPS-17)**, Computer Science, Higher Education Department, Khyber Pakhtunkhwa, **2012-2021**
3. **Lecturer (BPS-17)**, Computer Science, Higher Education Department, Khyber Pakhtunkhwa, **2008-2011**

Total [Teaching + Research + Administration] Experience:

16+ Years

(b) Administrative Positions Held

1. **Establishment of Department of Computer Science at Govt. Degree College Chitral District Chitral** in 2008 and served w.e.f 07-02-2008 to 04-01-2012(Documentary Proof is available)
2. **Establishment of Department of Computer Science at Govt. Degree College Wari (Dir Upper)** in 2012 and still working as a pioneer faculty member.
3. **Staff Hostel Warden** at Govt. College Chitral for 2010-12.
4. **Chief Proctor** at Govt. Degree College Wari (Dir Upper) for the year 2012-14 by implementing the discipline rules and regulations inside the college premises.
5. **Controller of Examinations** at Govt. Degree College Wari (Dir Upper) for the year 2014-18 by successfully developing a strict examination system.
6. **BS Coordinator** at Govt College Wari (Dir Upper) in the year 2018-22 by successfully completing/streamlining of the affiliation process/BS programs/curriculum development.
7. **Principal for the newly established Govt. Degree College Darora (Dir Upper)**: Due to my hardworking nature, positive attitude towards students, and outstanding communication and coordination skills, the Higher Education Department of Khyber Pakhtunkhwa assigned me additional responsibilities as Principal for the newly established Govt. Degree College Darora (Dir Upper).

8. TEACHING

(a) Summary of Courses Taught Since 2008

1. Digital Logic and Computer Design
2. Computer Organization and Assembly Language
3. Object Oriented Programming (OOP)
4. Introduction to information and communication technologies (ICT)
5. Operating System
6. Computer Networks
7. Digital Image Processing
8. Wireless Network
9. Information Security
10. Professional Practices
11. Introduction to Cryptography
12. Cryptography and Network Security
13. Applied Cryptography
14. Network Performance Evaluation

(b) Research Students Supervised/Trained

<u>Level</u>	<u>Number of Trainees</u>
PhD Students	03
Master Students	08
Undergraduate Students	70

(c) Participation in Thesis and Oral Examination Committees

<u>Level</u>	<u>Number of Examinations</u>
PhD Students	N/A
Master Students	06
Undergraduate Students	31

(d) Trainings

1. **CCNA/MCSE** Diploma at Calypso Education System Timergara, District Dir Lower, Khyber Pakhtunkhwa
2. Training Workshop on **HEMIS** by Higher Education Department, Khyber Pakhtunkhwa
3. Training on **HSSC Online Registration System** by Board of Intermediate and Secondary Education Malakand
4. Training on **SOS Message Alert System** By Khyber Pakhtunkhwa Police Department
5. Training on Online Biometric Attendance Management System by Higher Education Department, Khyber Pakhtunkhwa
6. Training on the **Designing of Website** for Govt Colleges of Khyber Pakhtunkhwa
7. Workshop on **Issues & Challenges for BS Programs** in the Public Sector Colleges of the province
8. Training on **Online College Admission System (OCAS)** by HEMIS Cell of Higher Education Department, Khyber Pakhtunkhwa
9. **Capacity Building** Workshop for Focal Persons of Khyber Pakhtunkhwa
10. Training on **Examination System Implementation** in public sector colleges of Khyber Pakhtunkhwa
11. Training on **KP Open Wi-Fi Service** by PTCL
12. Training on **Quality Assurance Cell (QAC)**, by Higher Education Department, Khyber Pakhtunkhwa
13. Mandatory Training Program – **MTP99** by Higher Education Academy of Research & Training (HEART), Hayatabad, Peshawar
14. One Day Workshop on **Undergraduate Education Policy** by Higher Education Commission of Pakistan
15. Organized a one-day workshop for undergraduate students regarding **Scientific and Research Writing**.

5. RESEARCH Plan

(a) Research Interests

1. I will employ cryptographic techniques on the topic of cyber security, such as those of IoT-Assisted e-healthcare, Cloud-Assisted e-healthcare, Telheath, Telemedicine System, Telemedical Information System, Drone communication security, cloud computing, fog, edge, WMSN, FANET, UAVNs, VANETs, etc. Because in Pakistan, the context hardly encourages an ambitious researcher in filed like information technology (Network Security, Authentication, Aggregation, Encryption, Cloud, Fog, Edge, Dew and Green Computing).
2. The Cyber Security, Authentication, Privacy, IoT-Assisted e-healthcare, Cloud-Assisted e-healthcare, Telheath, Telemedicine System, Telemedical Information System requires an environment that is highly updated and modern like there. As my plan is dynamic and challenging, the environment there might ignite my creative potentials.
3. I will accept all the vast range of responsibilities, along with my teaching workload.
4. I will develop a timeline for the research groups in BS, MS and PhD programs
5. Support the Principle Investigators (PIs) in preparations of their groups in the area of Computer Science.
6. Prepare implementation environment for all the research groups (both of the students and teachers) and properly documented them for the official purposes.
7. Assist the dean/rector in upon completion of research made by the individual or team leader.

8. Coordinate, prepare and disseminate cryptographic based research/activities with the dean, faculty members, research unit, and the Directorate of academics.
9. Maintain a systematic file system and program records for doctorate and master students
10. Manage a computerized data system
11. Monitor and document the evaluation process
12. Monitor compliance with the policies communicated by the Directorate of academics, research unit, ORIC and Rector office
13. Demonstrate awareness of program goals and objectives
14. Utilize available resources, tools and websites in an efficient way to help enhance the academic programs (BS, MS and PhD)
15. Network with other heads, institutes, and organizations to share information and to gain knowledge that would help improve the said programs
16. Monitor the strict examination process in coordination with the Examinations unit of the university.

(b) Publications/Citations Data

<u>Type of Publication</u>	<u>Number of Publications</u>
Articles in International Refereed Journals	20
Conference Papers	04
Books/Thesis	04
Others International Publications (Journals)	08

(c) Citation Source

<u>Citation Source</u>	<u>Number of Citations</u>
Google Scholar	676
H-Index	18
i-10Index	21

6. SERVICE

(a) Membership of Institutional, National, or International Scientific Advisory Boards

1. Editorial Board Member for Journal of Information Analysis
2. Editorial Board Member for SCIREA Journal of Computer
3. Editorial Board Member for SchoLink Journal of Communication, Media and Society
4. Editorial Board Member for International Social Science Journal Monte (ISSJM)
5. Editorial Board Member, International Journal of Social Sciences & Culture, USA

(b) Membership of Conference Committees

1. Institute for Scientific Research and Development (Montenegro)
2. Program Team Member (PTM) of the 7th International Conference on Software Engineering and Applications (SOEA 2023)
3. Program Team Member (PTM) in EAI International Conference on the Internet of Everything
4. Program Team Member (PTM) in 2nd EAI International Conference on Forthcoming Networks and Sustainability in the IoT Era
5. Program Team Member (PTM) in 6th EAI International Conference on Advanced Hybrid Information Processing
6. Program Team Member (PTM) in 18th EAI International Conference on Security and Privacy in Communication Networks
7. Member of Board of Studies, Shaheed Benazir Bhutto University Sheringal Dir Upper

(c) Service as Reviewer

Journals

1. Journal of Supercomputing
2. Open Science Journal (OSJ)
3. Computers, Materials & Continua
4. IEEE System Journal
5. Telecommunication System
6. IEEE Access - IEEE
7. Network and Communication Technology
8. Security and Communication Network
9. IET Communications
10. Cybernetics and Systems
11. Peer-to-Peer Network & Applications
12. Archives of current research international
13. Asian Journal of Advanced Research and Reports
14. Asian Journal of Research in Computer Science
15. Frontiers of Computer Science
16. Journal of Advances in Mathematics and Computer Science
17. Computer & Education
18. Alexandria Journal of Engineering
19. Intelligent Automation & Soft Computing
20. Computer Systems Science and Engineering
21. Transactions on Cloud Computing
22. IET Networks, IET Games Theory & IET Smart Cities
23. Cluster Computing
24. MDPI - Sustainability, Sensors and Applied Sciences
25. Alexandria Engineering Journal
26. Automatica
27. IEEE Internet of Things Journal

Conferences

1. Institute for Scientific Research and Development (Montenegro)
2. Program Team Member (PTM) of the 7th International Conference on Software Engineering and Applications (SOEA 2023)
3. Program Team Member (PTM) in EAI International Conference on the Internet of Everything
4. Program Team Member (PTM) in 2nd EAI International Conference on Forthcoming Networks and Sustainability in the IoT Era
5. Program Team Member (PTM) in 6th EAI International Conference on Advanced Hybrid Information Processing
6. Program Team Member (PTM) in 18th EAI International Conference on Security and Privacy in Communication Networks

(d) Membership of Journal Editorial Boards

1. Editorial Board Member for Journal of Information Analysis
2. Editorial Board Member for SCIREA Journal of Computer
3. Editorial Board Member for SchoLink Journal of Communication, Media and Society
4. Editorial Board Member for International Social Science Journal Monte (ISSJM)
5. Editorial Board Member, International Journal of Social Sciences & Culture, USA

(e) University Service

1. Convener of Graduate Study Committee (GSC)
2. Member of Advanced Study Research Board (ASRB)

7. LIST OF PUBLICATIONS

(a) International Refereed Journals/HEC Recognized Publications

#	Paper's Title	IF/Cat:	Link/Year	Journal Name
01	LSP – eHS: A Lightweight and Secure Protocol for E-Healthcare System" has been accepted for publication in <i>IEEE Access</i>	3.9/W	Accepted	<i>IEEE Access</i>
02	MCDH-SLKAP: Modified Computational Diffie-Hellman based Secure and Lightweight Key Agreement Protocol for Decentralized Edge Computing Networks	3.9/W	[Click Here]/2024	<i>IEEE Access</i>
03	SKALP: Secure Key Agreement and Lightweight Protocol for Dew-Assisted IoT Enabled Edge Computing	4.78/X	[Click Here]/2024	<i>ETT</i>
04	Systematic Literature Review on Agile, Cloud, and DevOps Integration: Challenges, Benefits	3.8/W	[Click Here]/2024	<i>IST</i>
05	PSLAPS-IoD: A Provable Secure and Lightweight Authentication Protocol for Securing Internet-of-Drones (IoD) Environment	3.9/W	[Click Here]/2024	<i>IEEE Access</i>
06	A lightweight and secure protocol for teleworking environment	3.7/W	[Click Here]/2024	<i>PLoS ONE</i>
07	A lightweight and robust authentication scheme for the healthcare system using public cloud server	3.7/W	[Click Here]/2023	<i>PLoS ONE</i>
08	Bandwidth and Power Efficient Lightweight Authentication Scheme for Healthcare System	9.006/W	[Click Here]/2023	<i>JKSU of CIS</i>
09	Relevance gradient descent for parameter optimization of image enhancement	2.1/X	[Click Here]/2023	<i>Comp. & Graphics</i>
10	A Verifiably Secure ECC Based Authentication Scheme for Securing IoD using FANET	3.667/W	[Click Here]/2022	<i>IEEE Access</i>
11	LMAS-SHS: A Lightweight Mutual Authentication Scheme for Smart Home Surveillance	3.667?W	[Click Here]/2022	<i>IEEE Access</i>
12	A Mutual Authentication and Cross Verification Protocol for Securing Internet-of-Drones (IoD)	3.1/W	[Click Here]/2022	<i>CMC of TSP</i>
13	A Key Agreement Protocol for IoD Deployment Civilian Drone	3.667/W	[Click Here]/2021	<i>IEEE Access</i>
14	Identity and Aggregate Signature-Based Authentication Protocol for IoD Deployment Military Drone	3.667/W	[Click Here]/2021	<i>IEEE Access</i>
15	Design and Analysis of Lightweight Authentication Protocol for Securing IoD	3.667/W	[Click Here]/2021	<i>IEEE Access</i>
16	Secure Patient Authentication Framework in the Healthcare System using Wireless Medical Sensor Network	3.325/W	[Click Here]/2021	<i>JHE</i>
17	Mitigating the Desynchronization Attack in Multiserver Environment	1.74/W	[Click Here]/2020	<i>IET Comm</i>
18	An Authentication Scheme for Distributed Computing Environment	0.99/Y	[Click Here]/2020	<i>IJICS</i>
19	SIP Issues & Challenges - A Scalable Three-Factor Authentication Scheme	0.0/X	[Click Here]/2019	<i>MURJET</i>
20	An Evaluation Framework for Communication and Coordination Processes in Offshore Software Development	4.098/W	[Click Here]/2019	<i>IEEE Access</i>
21	A Verifiably Secure and Robust Authentication Protocol for Synergistically-Assisted IoD Deployment Drones	Submitted to Different Journals		
22	A Robust Authentication Protocol for Securing the Edge-IoT Ecosystem			
23	A Privacy-Preserving and Parallel Protocol for Edge-Assisted and Cloud-Centric Authentication in the e-Healthcare System			
24	PSC2AS – eHS: A Provable Secure and Cloud-Centric Authentication Scheme for the e-Healthcare System			
25	An ECC-Based Authentication Protocol for IIoT using WSN			

(b) Conference Papers

#	Conference Paper's Title	Link/Year	Conference Title
01	Robust and Lightweight Authentication for Securing Communication in the Internet-of-Drones (IoD) Environment	[Click Here]/2024	<i>DroneCom 2024: Drone-Assisted Wireless Communications for 5G and Beyond</i>
02	efficient metrics for data recovery at perception layer: e-healthcare case study	[Click Here]/2024	<i>Research Square Platform LLC</i>
03	Implementation of Smart Card for Promoting Higher Education in the Developing World	[Click Here]/2022	<i>2nd International Conference on Computing and Information Technology (ICCIT-2022)</i>
04	Developing the Best Scheduling Algorithm from Existing Algorithms for Real-Time Operating Systems	[Click Here]/2014	<i>1st International Conference on Emerging Trends in Engineering, Management and Sciences (ICETEMS-2014)</i>

(c) Books/Chapters/Thesis

#	Book Title	Link/Year	Publishing Agency
01	An Improved Lightweight Privacy-Preserving Authentication Scheme for SIP-Based-VoIP using Smart Card	[Click Here] /2017	Anchor Academic Publishing, Germany
02	An Introduction to Computing (For All BS Degree Programs Students and Beginners in All Fields)	[Click Here] /2018	Lulu Publishing Inch, USA
03	Design and Analysis of Lightweight Authentication Protocol for Securing Internet of Drones (IoD)	[Click Here] /2021	Higher Education Commission, Pakistan
04	Confidentiality, Integrity And Authentication (CIA) For Internet-of-Drones (IoD) Technology	[Click Here] /2023	Eliva Press, Moldova, Europe.

(d) Other Publications

#	Title	Link	Venue
01	A Robust Authentication Scheme for Client-Server Architecture with Provable Security Analysis	[Click Here] /2018	NCT
02	An Improved Forest Fire Alerting System using Wireless Sensor Network	[Click Here] /2017	Advances in Net.
	Issues and challenges in cloud storage architecture: a survey	[Click Here] /2020	arXiv
03	An Improved Lightweight Privacy-Preserving Authentication Scheme for SIP-Based-VoIP Using Smart Card	[Click Here] /2017	JSEIS
04	British Interest in the Subcontinent and the Immediate Transfer of Power	[Click Here] /2017	Athens Journal of History
05	How To Collect and Analyse Data for Quantitative and Qualitative Research	[Click Here] /2017	Scholars' Press
06	Framework for the Development of Sustainable Green Software	[Click Here] /2018	Sustainable Technology eJournal
07	The Smart Card – An Authentic and Secure E-learning ICT Toolkit	[Click Here] /2020	Journal of Sciences, Pakistan
08	Discrete Logarithmic Problem & Information Security	[Click Here] /2020	Asian Journal of Research

1. REFERENCES

(a) REFEREE NO. 01

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(b) REFEREE NO. 02

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Dean
Faculty of Computing and IT
University of Bisha, Saudi Arabia
T +(61) 416 723 368
Email: fahad.alqarni@ub.edu.sa

(c) REFEREE NO. 03

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