Rafiullah Khan, Ph.D.

Senior Lecturer, BS(CS) Coordinator
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▼ Biographical Sketch

Dr. Rafiullah Khan is currently working as Senior Lecturer at the Institute of Computer Science and Information Technology (ICS/IT), The University of Agriculture Peshawar, Pakistan since 2011. He has received Ph.D. Degree in Computer Science from Capital University of Science and Technology, Islamabad, Pakistan in 2020. Previously He worked as Lecturer at Preston University Peshawar Campus, Iqra National University Peshawar, Allama Iqbal Open University Peshawar, and Program Coordinator and Lecturer at Farabi College Peshawar. He is also the member of Board of Studies, Purchasing Committee, Proctorial Board, and Coordinator of BSCS program at ICS/IT, The University of Agriculture Peshawar. He supervised 10 Masters students and over 80 Bachelors students including foreign students. He can speak 5 languages and his hobbies includes books reading, PC games and documentaries, tourism, visiting historical sites, history, and swimming. Moreover he possess:

- Leadership skills including the ability to lead and motivate co-workers from different backgrounds
- Strong analytical thinking and problem-solving skills

▼ Experience

September 2011 – Till Date
Senior Lecturer • BS Program Coordinator • ICS/IT, The University of Agriculture Peshawar, Pakistan.
- Deliver Lectures to BS and MS students.
- Taught 16 BS courses and 10 MS courses.
- Supervised over 80 BS projects and 10 MS Thesis.
- Member Board of Studies.
- Member ICS/IT Purchasing Committee.
- Member Proctorial Board.
- Completed 3 funded projects and 2 projects are proposed for funding.

January 2009– September 2011
Lecturer • BCS Program Coordinator • Farabi College, Peshawar, Pakistan.
- Managing BCS Program.
- Deliver Lectures to BS students.
- Supervised over 10 BS projects.

May 2007 – December 2008
Lecturer • Preston University, Peshawar Campus, Pakistan.
- Deliver Lectures to Diploma and BS students.
- Training of Professional Courses to staff.

February 2011 – September 2011
Visiting Lecturer • Iqra National University, Peshawar, Pakistan.
- Deliver Lectures to BS students.

February 2009 – June 2009
Visiting Lecturer • Allama Iqbal Open University, Peshawar Campus, Pakistan.
- Deliver Lectures to BS students.

▼ Education

- **PH.D. COMPUTER SCIENCE (Data Mining and Privacy) (CGPA 3.56/4.0)**

  Capital University of Science and Technology, Islamabad, Pakistan. **2020**

- **MS Information Technology (Internetworking and Digital Communication) (CGPA 3.5/4.0)**

  Institute of Management Science, Peshawar, Pakistan. **2010**

- **Bachelors (Hons) of Computer Science (CGPA 3.7/4.0)**

  Islamia College, University of Peshawar, Pakistan. **2007**

▼ Professional Education

- **Cisco Certified Network Professional (CCNP) Switching 2009.**
- **Cisco Certified Network Professional (CCNP) Routing 2008.**
- **Cisco Certified Network Associate (CCNA) 2007.**

▼ Projects

Sno	Title	Abstract	Funding Party and Year	Amount of Fund	Status
1	3D Virtual MMOG (Massively Multi-Player Online game) for Distance Learning As PI	The power behind the virtual worlds is that sense of togetherness. 3D Virtual worlds have the potential to fulfill the wide gap between the face to face interactions, which is the richest form of communication you can experience and disembody form such as email, text, instant messages, even the telephone. We are increasingly seeing a blur between our offline and online selves, while the learning curve today is steep. Virtual worlds like Second Life and OpenSim etc. will the promise for a new era in human interaction and communication. The project aimed to create a Virtual Campus of the University of Agriculture Peshawar, which provides the facilities as mentioned earlier to the students.	National ICT/R&D, Ministry of Information Technology, Government of Pakistan	Rs. 100,000/-	Completed 2014
2	Mobile Auction App for KP Agriculture Research Centers As PI	Online auction sites are the "market places" where customers can participate in the online bidding process for a product over a specified period without temporal or spatial constraints. In Khyber Pakhtunkhawa (KPK), Pakistan, the auction of Agricultural products at Agricultural Research Stations is done using the traditional auction method. We built a smartphone app for Agricultural Research Stations of KPK that enables the users to take part in a bidding process without being physically available. Moreover, after bidding, the user has the option to pay online and or pay on delivery. This app will also keep user updates about new arrivals and future biddings.	National ICT/R&D, Ministry of Information Technology, Government of Pakistan	Rs. 100,000/-	Completed 2014
3	One-Click Rescue As PI	In an emergency, people usually forget how to call for help and their whereabouts due to multiple reasons such as shock, trauma, and other reasons. We built the "One Click Rescue" app to solve this problem. This app will only take a type of emergency (such as medical, fire, hostage) from the person who needs help, and that's it. The smartphone will do the rest, such as 1. Contact the nearest emergency response center, 2. Sending location of the emergency using GPS, 3. Sending message to the specified closest relatives, and 4. Activate the silent profile of smartphone in case of a hostage situation.	National ICT/R&D, Ministry of Information Technology, Government of Pakistan	Rs. 100,000/-	Completed 2015
4	ZAMINDAR DUKAN (Farmer's Shop) As PI	Online Agricultural products marketing and Sales Smart Phone application for the farmer, smallholders, and Rural Women.	The University of Agriculture.	Rs. 1347000/-	**Proposed Project**
5	Digital Marketing For The Vocationally Trained Progressive Farmers As Co-PI	The project focuses on the job sustainability of the vocational trained women in their respective agricultural and nonagricultural fields. The issues that are faced by the vocationally trained women are 1. Inaccessibility to market to sell their products. 2. Unjust reward of the labor of the skilled progressive farmers. 3. Lack of awareness of the skilled progressive farmers regarding role of digital technology in their fields. 4. Lack of availability of digital technology to the trained progressive farmers.	The University of Agriculture.	Rs. 1338000/-	**Proposed Project**

▼ Conferences (Participated of Attended)

Sno	Conference Name	University	Venue	Year
1	Symposium on Emerging Technologies In Information Technology (ETIT) 2013	University of Peshawar.	Baragali Pakistan.	2013
2	International Conference on Emerging Technologies (ICET) 2013	Muhammad Ali Jinnah University, Islamabad.	Islamabad Pakistan.	2013
3	International Conference on Innovating Computing Technology (INTECH) 2016	Islamia University Bahawalpur.	Islamabad Pakistan.	2016
4	4th International Conference on Biological and Computer Sciences (CBICS) 2016	Capital University of Science and Technology	Islamabad Pakistan.	2016
5	Frontiers of Information Technology (FIT) 2016	COMSATS Institute of Information Technology	Islamabad Pakistan.	2016
6	International Conference on Emerging Trends in Engineering, Management and Sciences (ICETEMS) 2016	City University of Science and Technology	Peshawar Pakistan.	2016
7	International Conference on Communication, Computing and Digital Systems (CCODE) 2017	Bahria University Islamabad.	Islamabad Pakistan.	2017
8	International Conference on Emerging Technologies (ICET) 2017	Capital University of Science and Technology	Islamabad Pakistan.	2017

▼ Graduated MS Students

Sno	Student Name	Thesis Title	Year
1	Faiz ur Rahman	Evaluation of non-fading Propagation Models over a Reactive based routing protocol in Ad hoc Networks	2013
2	Misbah Daud	Roman Urdu Opinion Miner: An Opinion Based Customer Decision Support System	2014
3	Jamila Khan	Impact of Node Density on the performance of DSR and FSR Using Random Way Point Mobility Model.	2015
4	Fakhra Khan	Handling Agriculture Products Auction activity of Khyber Pakhtunkhaw Research Stations for Mobile Users	2015
5	Emran Thabet	Analyzing political situation from social network reviews of Yemeni people using data mining techniques	2018
6	Maria Noor	Performance evaluation of mobility models in DTN with dense and sparse mode	2018
7	Shafiullah	Analysis of temporal interest of America online (AOL) user based on web Search history	2019
8	Ibad Jan Babu	A proposed mechanism for domain based text classification using terms similarity score	2019
9	Basheer Ahmad	Rainfall Prediction Using Chaotic Bat Back Propagation Algorithm	2019
10	Haidar Zaman	Feature Based Sentiment Analysis Spam Detection of Roman Urdu Reviews	2019

▼ Communication

Sno	Language	Speaking	Reading	Writing
1	English	Good	Good	Good
2	Urdu	Good	Good	Good
3	Pashto	Good	Average	Average
4	Hindko	Average	Poor	Poor
5	Panjabi	Average	Poor	Poor

▼ Publications

Google Scholar: https://scholar.google.com/citations?hl=en&user=iHW8mAkAAAAJ&view_op=list_works&sortby=pubdate

Journal Publications

1. Khan, Rafiullah, et al. "QuPiD Attack: Machine Learning-Based Privacy Quantification Mechanism for PIR Protocols in Health-Related Web Search." Scientific Programming (2020). **(0.963 Impact Factor)**.

2. Khan, Rafiullah, Islam, M. A., Ullah, M., Aleem, M., & Iqbal, M. A. (2019). Privacy Exposure Measure: A Privacy-Preserving Technique for Health-Related Web Search. Journal of Medical Imaging and Health Informatics, 9(6), 1196-1204. **(0.659 Impact Factor)**.

3. Ullah, M., Islam, M. A., Khan, Rafiullah., Aleem, M., & Iqbal, M. A. (2019). ObSecure Logging (OSLo): A Framework to Protect and Evaluate the Web Search Privacy in Health Care Domain. Journal of Medical Imaging and Health Informatics, 9(6), 1181-1190. **(0.659 Impact Factor)**.

4. Shah, S., Saeed, K., Khan, M., Khan, Khan., Rafiullah, M. U., Daud, M., & Abbas, A. W. (2018). Minimization of Information Asymmetry Interference using Partially Overlapping Channel Allocation in Wireless Mesh Networks. International journal of advanced computer science and applications, 9(8), 626-634.

5. Daud, M, Khan, Rafiullah, & Daud, A. (2015). Roman Urdu opinion mining system (RUOMiS). Computer Science & Engineering: An International Journal (CSEIJ). 4(5/6), 1-9.

6. Khan, Rafiullah, & Ali, S. (2013). Conceptual Framework of Redundant Link Aggregation. Computer Science & Engineering: An International Journal (CSEIJ). 3(5), 23- 31.

Conference Publications

1. Khan, Rafiullah., Ullah, M., & Islam, M. A. (2016, August). Revealing pir protocols protected users. In 2016 Sixth International Conference on Innovative Computing Technology (INTECH) (pp. 535-541). IEEE.

2. Ullah, M., Khan, Rafiullah., & Islam, M. A. (2016, August). Poshida, a protocol for private information retrieval. In 2016 Sixth International Conference on Innovative Computing Technology (INTECH) (pp. 464-470). IEEE.

3. Ullah, M., Khan, Rafiullah., & Islam, M. A. (2016, December). Poshida II, a Multi Group Distributed Peer to Peer Protocol for Private Web Search. In 2016 International Conference on Frontiers of Information Technology (FIT) (pp. 75-80). IEEE.

4. Khan, Rafiullah. (2016, December). De-Anonymizing User of Web and Social Network. In 4th International Conference on Biological and Computer Sciences (C-BICS 2016).

5. Khan, S, Ullah, M & Khan, Rafiullah. (2016, December) The Performance Evaluation of MANET Protocol under varying Pause time and Simulation Area. In 2nd International Conference on Emerging Trends in Engineering, Management and Sciences.

6. Naz, J, Khan, Rafiullah & Ullah, M. Impact Assessment of Node Density over FSR and DSR. (2016, December) The Performance Evaluation of MANET Protocol under varying Pause time and Simulation Area. In 2nd International Conference on Emerging Trends in Engineering, Management and Sciences.

7. Khan, Rafiullah., & Islam, M. A. (2017, March). Quantification of PIR protocols privacy. In 2017 International Conference on Communication, Computing and Digital Systems (CCODE) (pp. 90-95). IEEE.

Book Chapter

1. Khan, Rafiullah, et al. "Knocking at Alternate Doors: Survey of Android-Based Smartphone Applications for Alternate Medicines." Mobile Devices and Smart Gadgets in Medical Sciences. IGI Global, 2020. 22-38.