

**Name:** Shahbaz Pervez Chattha

**Designation:** Lecturer

**Tasks in the Department/College/Sector:**

Facility and IT Committee Mentor

Facility Managing/ Coordinator

CISCO lab Coordinator

MRF Preparation/Coordinator

**Office Location:** Yanbu University College, Jabria-01-Room 09

**Cisco:** 1521

**Mobile:** (+966)-592220540

**Email:** rasools@rcyci.edu.sa

**Education:**

MSc in Computer Science, 2001, University of Agriculture Faisalabad Pakistan

MSc in Computer Engineering, 2007, University of Engineering & Technology

Taxila, Pakistan

PhD in Computer Engineering, 2012, University of Engineering & Technology

Taxila, Pakistan

**Specialization:**

Computer Engineering

**Research Interest:**

IT Infrastructure Planning & Designing, Computer Networks, Wireless Networks, Wireless Mesh Networks, IoT, Smart Cities, Security and Privacy in Smart Cities, Next Generation Networks, Network Security, Cyber Security, Information Security.

**Publications:**

- **Shahbaz Pervez**, Afraa Alshammari, Sarah Alswedani and Sultana Albakry, “**Optimal Use of Blockchain in Smart Medical Services**”, International Conference on Cybersecurity at University of Hail, CyberSec2019 March 2019.
- **Shahbaz Pervez**, Samina Naz, Zahida Parveen and Dr. Adeel Akram, “**Role of Block Chain in Smart City Services**”, International Conference on Cybersecurity at University of Hail, CyberSec2019 March 2019.
- Usman Muhammad, Weiqiang Wang, Abdenour Hadid, **Shahbaz Pervez**, “**A Novel Bag of Words KAZE (BoWK) with Two-Step Classification for High Resolution Remote Sensing Images**” , IET Computer Vision Journal, 9pp., ISSN 1751-8644, The Institution of Engineering and Technology Volume 16, Issue 8, Jan 2019.
- **Shahbaz Pervez**, “**Optimal Use of Modern Technologies for Smarter Education of Future Generations**” Keynote Speech for 4<sup>th</sup> International conference on Advances in Education and Social Sciences, 15-17 Oct 2018, Istanbul, Turkey .
- **Shahbaz Pervez**, Shafique Rehman, Gasim Alandjani, “**Role of Internet of Things (IOT) in Higher Education**” Accepted for 4<sup>th</sup> International conference on Advances in Education and Social Sciences, 15-17 Oct 2018, Istanbul, Turkey.
- **Shahbaz Pervez**, Saima Zareen, Nasser Abosaq, Muazma Shahbaz, “ **Use of Cutting-Edge Technologies for Effective Teaching and Learning**”

***Environment in Higher Education***” 4<sup>th</sup> International conference on Advances in Education and Social Sciences, 15-17 Oct 2018, Istanbul, Turkey.

- **Shahbaz Pervez**, Nasser Abosaq, ***“Emerging Technologies for Implementation of Education System for the Citizens of Smart Societies”***, International Research Journal of Social Sciences, Volume IV Issue11, pp 521-527, September 2018.
- **Shahbaz Pervez**, Gasim Alandjani, ***“21st Century Educational Requirements and Teaching Strategies for Competing with the Cyborgs”***, International Research Journal of Social Sciences, Volume IV Issue11, pp 528-537, September 2018.
- Usman Muhammad, Weiqiang Wang, **Shahbaz Pervez**, Sajid Ali ***“Pre-trained VGGNet Architecture for Remote-Sensing Image Scene Classification”***, 24th International Conference on Pattern Recognition (ICPR) Beijing, China, August 20-24, 2018.
- **Shahbaz Pervez**, Nasser Abosaq, Gasim Alandjani, Adeel Akram, ***“21st Century Educational Requirements and Teaching Strategies for Competing with the Cyborgs”***, INTCESS 2018 - 5<sup>th</sup> International Conference on Education and Social Sciences ” 5-7 February 2018 at Istanbul Turkey .
- **Shahbaz Pervez**, Gasim Alandjani, Nasser Abosaq, Adeel Akram, ***“Emerging Technologies for Implementation of Education System for Citizens of Smart Societies”***, INTCESS 2018 - 5<sup>th</sup> International Conference on Education and Social Sciences” 5-7 February 2018 at Istanbul Turkey.
- **Shahbaz Pervez**, ***“Internet of Things (IoT) as beginning for Jail-Less Community in Smart Society”***, a keynote speech at IEEE International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)” 28-29 January 2018 at Villore district Tamil Nado India
- **Shahbaz Pervez**, Nasser Abosaq, Gasim Alandjani, Adeel Akram, ***“Internet of Things (IoT) as beginning for Jail-Less Community in Smart Society”***, “IEEE International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)” 28-29 January 2018 at Villore district Tamil Nado India
- **Shahbaz Pervez**, Gasim Alandjani, Nasser Abosaq, Faheem Babar, ***“Disaster Management during Natural Calamities by Rapid Deployment of Novel Network Solution”***, “IEEE International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)” 28-29 January 2018, Villore district Tamil Nado India.
- **Shahbaz Pervez**, Mahjabeena, Humaira Yaqub, Malik Misbah, ***“Optimal Use Of CAI for Securing Cloud & Social Network User’s Privacy”***, “IEEE International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC)” 28-29 January 2018, Villore district Tamil Nado India.
- **Shahbaz Pervez**, Malik Misbah, Humaira Yaqub, Mahjabeena, ***“Protective Measures for Security & Privacy In Cyber Era Of Cloud Computing”***, “IEEE International Conference on Electrical, Electronics, Computers, Communication,

Mechanical and Computing ” 28-29 January 2018, Villore district Tamil Nado India.

- **Shahbaz Pervez**, Humaira Yaqub, Malik Misbah, Mahjabeena, Rabia Shaheen, “**LIFI: The Future for Indoor Wireless Data Communication**”, International Journal of Scientific & Engineering Research, Volume 7, Issue 8, Oct-2016, ISSN 2229-5518
- Faheem Babar, **Shahbaz Pervez**, Usman Muhammad, “**Compromising Health by Excessive Use of Smart Phones**” *International Journal of Engineering Works*, ISSN: 2409-2770, Vol. 3, Issue 10, PP. 78-82, October 2016.
- **Shahbaz Pervez**, Nasser Abosaq, Gasim Alandjani, “**IOT Services Impact as a Driving Force on Future Technologies by Addressing Missing Dots**”, 16th International Conference on Applied Computer Science, Istanbul, Turkey, 15 April 16.
- **Shahbaz Pervez**, Faheem Babar, Nasser Abosaq, “**Optimal Power Management & Regeneration Schema to Support Green Technology in Mobile Computing Devices for Better Battery Backup**”, 4th International Conference on Energy and Environment Technologies and Equipment. September 20-22, 2015. Michigan State University, MI, USA.
- **Shahbaz Pervez**, Faheem Babar, Gasim Alandjani, “**An Efficient Cloud Model with integrated Services by addressing Major Security Challenges**”, Journal of World Scientific Engineering Assembly and Society Transactions on Computers Print ISSN: 1109-2750.
- **Shahbaz Pervez**, Gasim Alandjani, Qurrat UIAin, “**Internet Traffic Trends and Major Security Challenges in Local & Internet Cloud**”, 19th International Conference on Circuits, Systems, Communications and Computer” in Zakynthos, Greece, July 16-20, 2015.
- **Shahbaz Pervez**, Nasser Abosaq, Faheem Babar, “**A Novel Design for Efficient Power Management in Mobile Computing Devices**”, International conference on renewable energy in Kuala Lumpur, Malaysia, April 23-25, 2015.
- **S Pervez**, N Abosaq, R Shaheen, F Babar, “**Mobile Application Architecture & their Use in cutting-Edge Technologies**”, International Journal of Information Technology and Electrical Engineering. ISSN: - 2306-708X, April 2, 2014.
- N Majeed, **S Pervez**, M. Zafrullah, A Akram, “**Vehicular Adhoc Networks History and Future Development Arenas**”, International Journal of Information Technology and Electrical Engineering. ISSN: - 2306-708X, February 16, 2013.
- A Bauk, **S Pervez**, M Korai, “**Cross Layered Design of 3G Radio Access Network to Optimize Network Performance**”, International Journal of Information Technology and Electrical Engineering. ISSN: - 2306-708X, February 16, 2013.
- **Shahbaz Pervez**, Matsam Saleh, Adeel Akram, “**A Modified Approach for Fault Localization and Rectification in Next Generation Intelligent Networking Environments**”, International Journal of Information Technology and Electrical Engineering. ISSN: - 2306-708X, February 16, 2013.
- **Shahbaz Pervez**, Adeel Akram, “**A Temporally Efficient Solution for Optimal Wireless Mesh Backbone Device placement and Antenna selection in**

**Wireless Mesh Networks**", INFORMATION (An International Interdisciplinary Journal) ISSN 1343-4500 ISSN 1344-8994(electronic, *January 18, 2012*).

- **Shahbaz Pervez**, Adeel Akram, "**MUSIC: A Streaming Multimedia Architecture for Bandwidth Constrained Networks**", WSEAS Transactions on Information Science and Applications, Rodos Island, Greece, *July 25, 2009*.
- Farhan Aadil, Khyyam Nasir, Khurram Zeshan, **Shahbaz Pervez**, "**Comparison Algorithm for Vertica Database (CAVEDA)**", SZABIST Islamabad, *January 26, 2009*,
- **Shahbaz Pervez**, Adeel Akram, Shoab A Khan "**Resource Aware Media Framework for Mobile Ad hoc Networks**", International Conference on Telecommunications and Networking, USA.ISBN: 978-1-4020-6266-7, *April 4, 2006*.
- **Shahbaz Pervez**, Adeel Akram, Shoab A Khan, "**Extending Ad hoc Network range using CSMA/CD parameter optimization**", International Conference on Telecommunications and Networking (TeNe 2006), USA.ISBN: 978-1-4020-6266-7, *April 4, 2006*.
- Iftikhar Ahmed, Mushtaq Ahmed, **Shahbaz Pervez**, Adeel Akram, "**Duplicate Sequence Detection and Removal from Biological Databases**", 5th International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS '06), Spain, *February 2, 2006*.
- Iftikhar Ahmed, **Shahbaz Pervez**, Munir Ahmed, Adeel Akram., "**A Recursive Algorithm for Global Alignment with Gap Consideration in a pair of Sequences**", 5th International Conference on Software Engineering, Parallel and Distributed Systems (SEPADS '06), Spain, *February 2, 2006*.
- Mushtaq A, **Shahbaz Pervez**, Munir A, Adeel Akram, "**Consistent Two-phase commit in distributed database**", 5th International Conference on Software Engineering, Parallel and Distributed Systems, Spain, *February 2, 2006*.
- Iftikhar Ahmed, **Shahbaz Pervez**, Munir Ahmed, Adeel Akram., "**A Comparative Analysis of Artificial Neural Network Technologies in Intrusion Detection**", International Conference on Automation & Information (ICAI '06)Portugal ISBN:960-8457-53-X, *June 13, 2006*.
- Adeel Akram , **Shahbaz Pervez** , Shoab A Khan., "**Multimedia Task Scheduling on OLSR enabled Ad hoc Networks**", Electronic, Hardware, Wireless & Optical Communications (EHAC '06), Spain, *February 15, 2006*,
- **Shahbaz Pervez**, Adeel Akram, Shoab A Khan., "**Resource Management in Cellular Network**", International Joint Conferences on Computer, Information, Systems Sciences and Engineering (CIS2E '05) USA, *October 12, 2005*.
- Adeel Akram, **Shahbaz Pervez**, Shoab A Khan., "**Resource Aware Media Framework for Mobile Ad hoc Networks**", Science International Journal (ISSN 1013-5316), USA, *June 25, 2006*.
- Adeel Akram, **Shahbaz Pervez**, Shoab A Khan., "**Extending Ad hoc Network range using CSMA/CD parameter optimization**", Science International Journal (ISSN 1013-5316), USA, *June 15, 2005*.
- **Shahbaz Pervez**, Adeel Akram , "**Optimal Antenna Placement Algorithm in wireless Ad hoc Networks by using minimal number of Antennas**", 2nd

International Conference on Information and Communication Technology (ICICT 2004), Egypt, *December 05, 2004*.

**Courses Taught:**

ICT-215 Enterprise Network Security, CSE-361 Introduction to Networks, CS-460 Advance Networks, NET-362- Computer Networks-I, NET-461 Computer Networks-II, NET-463 Network Security, EEET-104 Computer Programming.