

DR. SUMAIRA JOHAR

Objectives

To enter a professional life in order to apply various technical, managerial and decision-making skills acquired during the academic carrier.

Research Interests

- Blockchain
- Intelligent Transport Systems
- Cyber Security

Skill Highlights

- Teaching
- Administration
- Research
- Programming languages: C,C++, Java, HTML,PHP, Javascript,Python and MySQL
- Innovative
- Service-focused
- Event Organizer

Experience

- **Assistant Professor at Women University Mardan**
From 13th April 2023
- **Assistant Professor and Head of the Department (HoD) at BRAINS Institute Peshawar**
From 10 /2021 to April 17th 2023
Teaching BS and MS: Compiler Construction, Programming Fundamentals, Software Project Management, Research Methodology, Mobile Computing, Operating System, Advanced Human Computer Interaction,Information Security.
Nature of Job: Private
- **Lecturer at Shaheed Benazir Bhutto Women University Peshawar**
From 01/2016 to 10/2018
Subjects taught: Programming Fundamentals, Expert Systems, Wireless Networks, Data Communication, Network Security, Computer Networks, Introduction to Communication Technology.
- **Lecturer at FEF College for Girls Hayatabad Peshawar Pakistan**
From 06/2009 to 11/2010

Education

- **Ph.D in Computer Science (Cyber Security)** 2013-2022 Result Date: 9.03.2022 CGPA 3.9
University of Peshawar
- **MS (Information Technology)** 2008-2010 Result Date: 19.07.2012 CGPA 3.4
Institute of Management Sciences Hayatabad, Peshawar
- **M.Sc Computer Science** 2005-2007 Result Date: 22.03.2008 79.3 %
University of Peshawar
- **B.Ed in Science** 2008 Result Date: 06.01.2009 62%
University of Peshawar
- **B.Sc Computer science** 2003-2005 Result Date: 03.10.2005 64%
University of Peshawar

Certifications

- Capacity building of University's Faculty Research, Teaching Methodologies and Services arranged by KUST in Collaboration of University of Kentucky US. (a three months training in 2022)
- Training for SheCan supported by USAID arranged by SBBWU a two day training in 2018
- Inferential and Descriptive Research Analysis through SPSS (a five days workshop arranged by SBBW in 2017)
- Workshop on teaching skills (a 3 days workshop arranged by SBBWU in 2017)
- Promoting Quality Education for Prosperous Pakistan
- Making workplace Conductive for working women a one day training arranged by URDO in 2018

Publications

- **Research Paper 1:** Research and Applied Perspective to Blockchain Technology: A Comprehensive Survey (Published in MDPI Journal with Impact Factor 2.679 Appl. Sci. 2021, 11(14), 6252; <https://doi.org/10.3390/app11146252> ,Date of Publication: 6 July 2021)
- **Research Paper 2:** Proof of Pseudonym: Blockchain-Based Privacy-Preserving Protocol for Intelligent Transport System (Published in IEEE Access Journal with Impact factor 3.367 <https://doi.org/10.1109/ACCESS.2021.3133423> Volume: 9 Page(s): 163625 – 163639, ISSN: 2169-3536, Date of Publication: 06 December 2021)
- **Research Paper 3:** Classification and Prediction of Software Incidents Using Machine Learning Techniques (Published in Hindawi Security and Communication Networks with Impact Factor 1.791, Volume 2021, Article ID 9609823, 16 pages <https://doi.org/10.1155/2021/9609823> Date of Publication: 30 Dec 2021)
- **Research Paper 4:** Decision Support System for Evaluating the Role of Music in Network-Based Games for Sustaining Effectiveness (Published in Soft Computing Journal with Impact Factor 3.643, doi: <https://doi.org/10.1007/s00500-022-06992-2>, ISSN: 1432-7643 Date of Publication: 02 April 2022)
- **Research Paper 5:** Digital Society Social Interactions and Trust Analysis Model (Published in PeerJ Computer Science Journal with impact factor of 1.392, Date of Publication: 13 December 2022)
- **Research Paper 6:** Customer Analysis Using Machine Learning based Classification Algorithm for Effective Segmentation using RFMT (Published in Sensors MDPI with Impact Fator 3.847, Volume 23, issue 6 page: 3180; <https://doi.org/10.3390/s23063180>, Date of Publication: 16 March 2023, Volume)
- **Research Paper 7:** Customer Analysis Using Machine Learning-Based Classification Algorithms for Effective Segmentation Using Recency, Frequency, Monetary, and Time (Submitted)
- **Research Paper 8:** Hybrid Machine Learning Approach for Accurate Prediction and Classification of Malicious Websites (Submitted)

References

1) Dr.Naveed Ahmad

Assiatant Professor Department of Computer Science, University of Peshawar, Pakistan (On leave)

Currently Associate Professor at Prince Sultan University Riyadh Saudi Arabia

Email: nahmed@psu.edu.sa

2) Dr. Muhammad Haseeb

Assiatant Professor Department of Computer Science, University of Peshawar, Pakistan

Email: m.haseeb@uop.edu.pk

3) Prof.Dr. Farzand Ali Jan

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