

Name: Engr. Muhammad Shaheer Mirza
Designation: Lecturer
Education: M.S. (Biomedical Engineering), Ziauddin University – Faculty of Engineering, Science, Technology and Management, Pakistan.
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Profile:

Engr. Shaheer, life member of Pakistan Engineering Council, is a multi-skilled professional with good supervisory and scientific expertise with a proven ability to work dynamically on the versatile field of biomedical engineering. He has field experience of more than 2 years and teaching and research experience of more than 4 years. He is a committed team player, motivated with the ability to communicate at all levels. His main interests include computer vision, image/video processing, sign language recognition and machine learning techniques and their implementation in healthcare industry.

Research Interest:

- Artificial Intelligence
- Biomedical Signal & Image Processing
- Medical Imaging
- Biomedical Instrumentation

Selected Publications:

- M. S. Mirza, S. M. Munaf. A Vision-Based Pakistani Sign Language Recognition System Using Machine Learning. 4th International Conference on Emerging Trends in Engineering, Management and Sciences, (ICETEMS-2021) Peshawar, Pakistan, October 13-14, 2021.
- M. S. Mirza, S. M. Munaf, S. Ali, M. Asif. Static Pakistani Sign Language Classification using Support Vector Machine. Sir Syed University Research Journal of Engineering & Technology, Volume 12, Issue 2, 2022.
- C. S. Shakeel, A. A. Mujeeb, M. S. Mirza, B. Chaudhry, S. J. Khan. Global COVID-19 Vaccine Acceptance: A Systematic Review of Associated Social and Behavioral Factors. Vaccines 2022, 10, 110.
[<https://doi.org/10.3390/vaccines10010110>] **5-Year Impact Factor: 5.325 (2021)**
- M. S. Mirza, S. M. Munaf, F. Azim, S. Ali, S. J. Khan. Vision-based Pakistani sign language recognition using bag-of-words and support vector machines. Scientific Reports, 12(1), 21325.
[<https://doi.org/10.1038/s41598-022-15864-6>] **5-year impact factor: 5.516 (2021)**