



Name: Ghazala Ansari

Designation: Assistant Professor

E.Mail: ghazalaa@srmist.edu.in

Professional Qualification:

- P.hd (Pursuing)
- M.Tech (VLSI)

Publications (Journals & Conferences):

- **Quantification of Individual Gas Components for Gas Sensor Array using Neural Network with Levenberg–Marquardt (LM) and Bayesian Regularization (BR) Technique**, 14th INTERNATIONAL (IEEE) CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT), July 6th - 8th, 2023, Venue: IIT Delhi, Delhi, India, [Ghazala Ansari](#), Rupali Singh.
- **A Novel Technique of Mixed Gas Identification Based on the Group Method of Data Handling (GMDH) on Time-Dependent MOX Gas Sensor Data**, March 2023, DOI: [10.1007/978-981-19-8825-7_55](https://doi.org/10.1007/978-981-19-8825-7_55), In book: Proceedings of International Conference on Recent Trends in Computing, [Ghazala Ansari](#) [Vinod Kumar](#)

- **Computer Vision Based Mouse With Color Detection Technique,** December 2021, DOI: [10.1109/ICAC3N53548.2021.9725487](https://doi.org/10.1109/ICAC3N53548.2021.9725487), Conference: 2021 3rd International Conference on Advances in Computing, Communication Control and Networking (ICAC3N), [Prajwal Dandotiya](#), [Ghazala Ansari](#)
- **Future Controller Design and Implementation Trends in Software Defined Networking,** September 2018, DOI: [10.1109/ICMETE.2018.00017](https://doi.org/10.1109/ICMETE.2018.00017), Conference: 2018 2nd International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE), [Rohit Sharma](#), [Sanyam Agarwal](#), [Pankaj Singh](#), [Ghazala Ansari](#)
- **INTELLIGENT IDENTIFICATION ON STATE-WISE COVID-19 INFECTION IN INDIA,** November 2024, IEEE Conference: **4th International Conference on Technological Advancements in Computational Sciences (ICTACS'24)** during 13-15 November 2024.
- **Potato Leaf Disease Detection and Classification using Deep Learning Technique,** November 2024, IEEE Conference: **4th International Conference on Technological Advancements in Computational Sciences (ICTACS'24)** during 13-15 November 2024.

- **BOOK** - Artificial Intelligent for Networks,

ISBN No. :- 9789356253728

(Paperback, Dr. Jitendei Reddy Dr. M. Yuvaraja Di. Pushpa MamoiiaMs. Ghazala Ansari)

<https://www.flipkart.com/artificial-intelligent-networks/>

Awards and Achievements

- Best paper award in Two days International Conference on "Fourth Industrial Revolution based Technology and Practices (ICFIRTP) 2020 on 26th- 27th March 2021.

- FDP- Nanoelectronics and RF Engineering, 6-Sep-2021 to 10-Sep-2021, SRMIST NCR Campus.
- FDP- Futuristic Semiconductor Devices for High End Application, 3-Jan-2022 to 7-Jan-2022, SRMIST NCR Campus.
- FDP -Advanced security Analytics and machine learning, 18-Apr-2022 to 23-Apr-2022, SRMIST NCR Campus.
- FDP - ERUDITIA 2018, 12-06-2018 to 26-Jun-2018, SRMIST NCR Campus.
- FDP - One week FDP on Emerging Trends and Applications of Machine Learning Based Artificial Intelligence, 20-Feb-2023 to 25-Feb-2023, SRMIST NCR Campus.
- FDP – 6- Day Faculty Development Programme On “Wearable Devices for IoT and Microwave Infrastructure”, 20-12-2022 to 25-12-2022, SRMIST NCR Campus.

Grant Patents –

- Design Number: 379567-001

MACHINE LEARNING BASED DEVICE TO DETECT HAPPINESS OF A TEACHER

Class:10-05-INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING, SECURITY OR TESTING

Journal Number:20/2023

Grant Date:19/05/2023

- Design Number: 427001-001

AI AND IMAGE PROCESSING BASED STROKE DISEASE PREDICTION DEVICE

- Design Number:41656

IOT BASED AIR QUALITY CHECKING DEVICE

Published Patents –

- Application Number – 202211044995,
A HEALTH MONITORING BASED ON IOT USING RASPBERRY PI AND METHOD THEREOF
Field of Invention - Bio-Medical Engineering,
Publication Date - 19/08/2022.
- Application Number – 202211047469,
IOT USING MACHINE LEARNING BASED ON THE RECOGNITION OF HANDWRITTEN DIGITS USING DEEP LEARNING
Field of Invention - Computer Science,
Publication Date - 02/09/2022.
- Application Number – 202241062893,
Wireless Sensor Networks with an Artificial Intelligence Algorithm are used to monitor the air quality in any given location
Field of Invention - Communication,

Publication Date - 18/11/2022

- Application Number – 202311003450,
IOT BASED PATIENTS' HEALTH OBSERVATION SYSTEM USING 6GARTIFICIAL
INTELLIGENCE
Field of Invention - Bio-Medical Engineering,
Publication Date - 20/01/2023
- Application Number – 202341002574,
A HEALTH MONITORING BASED ON IOT USING RASPBERRY PI AND METHOD
THEREOF
Field of Invention - Computer Science,
Publication Date - 17/02/2023
- Application Number – 202321027668,
A 6G WIRELESS NETWORK SYSTEM BASED ON THE INTERNET OFTHINGS FOR SMART
CITIES
Field of Invention - Communication,
Publication Date - 19/05/2023
- Application Number – 202341038412,
Machine Learning-Based Nutrition Monitoring and Health Awareness System Based
on Crowd-Sourced Food Images
Field of Invention - Computer Science,
Publication Date - 18/08/2023

Work Experience: 14.5 Years

Professional Memberships:

- IAENG, IE