Name	: Vaani Garg
Designation	: Assistant Professor
Qualification	: M.Tech, B.Tech, Ph.D (Pursuing)
Email Address	: vaani.garg@msit.in
Area of Interest	: Image Processing, Machine Learning, Video Summarization
Experience	: 2.5 Years

Key Publications in Journals

1. Kumar, N., and **Garg, V**. (2019). Single Sample Face Recognition in the Last Decade: A Survey in International Journal of Pattern Recognition and Artificial Intelligence.
2. **Garg V.** (2022). Traversing Serverless Architecture in International Journal of Research in Engineering, Science and Management.
3. **Garg V.** (2022). Smart Traffic System for Automatic Regulation in Satyam Journal.
4. Gupta A., Khan T., Mishra N., Nishtha Jatana N., Malik S., **Garg V.** (2024). Proposing and Optimizing COVID-19 Predictions: A Comprehensive Ensemble Approach for Time Series Forecasting in India in SN Computer Science.
5. Malik S., Dhand G., Sheoran K., Jatain K., **Garg V.** (2024) Tri-factorized Modular Hypergraph Autoencoder for Multimodal Semantic Analysis.

Papers Presented in Conference

1. Dwivedi R., Rohilla M., Sethi H., **Garg V**., Nagpal Y. (2016). Edge Detection Using Bat in International Conference on Computing for Sustainable Global Development, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi.
2. **Garg V**., Garg S., Garg S. (2014). Cyber Security Management System: Objectives, Threats and Counter Measures in National Conference on Cyber Security (NCCS 2014), RDIAS, New Delhi.
3. **Garg V**., (2024). Deep Non-negative Matrix Factorization Model for Clustering based image denoising in ICAIA, MSIT
4. Jatain D., Sharma G., Malik S., **Garg V.,** Niranjan Murthy M (2024) A real-time camera-based motion sensing game tool for Cervical Rehabilitation in ICKECS, SJC.
5. **Garg V**., (2024) Facial Expression Recognition Classification in ICIDSSD in Jamia Hamdard.
6. **Garg V**., (2024) Search Space reducer for text analyzer and compilers in ICIDSSD in Jamia Hamdard.

Patents

1. Patent titled "Compact Electronic Single Braille Cell Display" granted in 2023.

Faculty Development Program/ Training Programs

1. Completed 8-weeks FDP on Design, technology and Innovation by NPTEL-AICTE on Swayam portal from July-Sept 2023.
2. Completed 12-weeks FDP on Digital Image Processing by NPTEL-AICTE on Swayam portal from July-Oct 2022.
3. Attended 1 month NLP training at ICFOSS at BPIT in Nov-Dec 2022.
4. Attended 1 week Faculty Development Program on Entrepreneurship, Innovation & Digital Skills in the New Era of AI in July, 2022
5. Participated in 3-day Faculty Development Program on Stress Management conducted by ICT Academy in June, 2022.
6. Completed Online Short Term Training Program on Information Security in the Era of Deep Learning: Challenges & Opportunities in February, 2021.
7. Completed one-week workshop on 'R' and Econometric Tool at Delhi Technological University in 2019.

Other Qualification

1. Cleared CBSE-UGC NET-2018 for Assistant Professor.
2. Qualified Graduate Aptitude Test in Engineering (GATE) in 2016.
3. Received scholarship during PH. D from Delhi Technological University from Aug 2018 to Feb 2022.

Key Roles and Responsibilities

1. Member of Alumni Team, MSIT
2. Member of Vision Magazine, MSIT
3. Member of SDC, MSIT
4. Time table Incharge- Departmental
5. Minor project Incharge
6. Summer Training coordinator
7. IIC Coordinator, Placement Faculty Coordinator
8. Student Activity Incharge
9. Mentor, Proctor
10. Lab Incharge