

Journals:

- Kavita Bani, Vaishali Kulkarni, Hybrid Spectrum Sensing Using MD and ED for Cognitive Radio Networks, Journal of Sensor and Actuator Networks, July 2022.
- Kavita Bani, Vaishali Kulkarni, Cooperative Spectrum Sensing under SISO and MIMO Environment for Cognitive Radio Networks, International Journal of Sensors, Wireless Communications and Control, June 2022.
- Nainan S and Kulkarni V, Enhancement in speaker recognition for optimized speech features using GMM, SVM and 1-D CNN, International Journal of Speech Technology, 2020.
- Nainan S, and Kulkarni V, Synergy in voice and lip movement for automatic person recognition, IEIE Transactions on Smart Processing and Computing, volume 8, number 4, pages 279-289, 2019.
- Purva Badhe, Vaishali Kulkarni, "A review on Sign Language Recognition for improved communication", NMIMS Engineering and Technology review, Volume 1, issue 1, 2019.
- Shashikant Patil, Vaishali Kulkarni, Archana Bhise, "Comprehensive Assessment of Dental Cone Beam Computed Tomography (CBCT): A systematic approach", NMIMS Engineering and Technology review, Volume 1, issue 1, 2019.
- Shashikant Patil, Vaishali Kulkarni, Archana Bhise, "Algorithmic analysis for dental caries detection using an adaptive neural network architecture", Heliyon, 2019.
- Patil S, Kulkarni V, Bhise A, Caries detection using multidimensional projection and neural network, International Journal of Knowledge-Based and Intelligent Engineer Systems, volume 22, number 3, pages 155-166, 2018.
- Purva Badhe, Dr Vaishali Kulkarni, "A review on posture assessment", IOSR Journal of Sports and Physical Education, Volume 5, Issue 5, 2018.
- Shashikant Patil, Vaishali Kulkarni, Archana Bhise, "An intelligent system with dragonfly optimization for carries detection", IET Image Processing journal, 2018.

Books Published:

- Vaishali Kulkarni, Radhika Chapaneri, Ami Munshi, (Ed.) (2024), Transformative Role of Natural Language Processing and Deep Learning in Industrial and Societal Applications, Gaurang Publications, India. – ISBN – 9789393789556.

Chapters:

- Vaishali Kulkarni, Radhika Chapaneri, Suvaditya Mukherjee, Shireen Chand, Shreyas Dongre, (Ed.) (2024), Transformative Role of Natural Language Processing and Deep Learning in Industrial and Societal Applications, chapter – 1, “Developing kornia, an open-source Differentiable computer vision library”, Gaurang Publications, India. – ISBN – 9789393789556.
- Vaishali Kulkarni, Khushal Sharma, Soham Singhal, Rohit Raval, (Ed.) (2024), Transformative Role of Natural Language Processing and Deep Learning in Industrial and Societal Applications, chapter – 9, “Image Steganography using Diffusion models”, Gaurang Publications, India. – ISBN – 9789393789556.