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Srisabarimani K is working as an Assistant Professor (S.G) in the Department of ECE at SRMIST, Ramapuram. She graduated in Electronics and Communication Engineering at VLB Janaki Ammal College of Engineering, Coimbatore, Tamil Nadu, India. She secured a Master of Engineering in Communication Systems at SRM University, Chennai, India. She secured Ph.D. in the field of Medical Imaging at SRMIST, Ramapuram Campus, Chennai, India. She is in the teaching profession for more than 18 years. She has presented papers in National and International Journals, Conferences, and Symposiums.

Area of Research

1. Image Processing
2. Medical Imaging

Publications

1. Srisabarimani. K, Arthi. R **“Differentiating the presence of Brain stroke types in MR Images using CNN Architecture”**, Current Medical Imaging, 2024, Volume 20. Article Id: e15734056273238. https://dx.doi.org/10.2174/0115734056273238231203105157.
2. Srisabarimani K. Arthi. R, **"Deep Learning based Brain Stroke Detection using Improved VGGNet,"** WSEAS Transactions on Biology and Biomedicine, vol. 20, pp. 204-212, 2023. DOI: 10.37394/23208.2023.20.21.
3. Srisabarimani. K and Arthi. R, **"Segmentation of Hemorrhagic stroke in Brain MR Image,"** 2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI), Tiruchengode, India, 2023, pp. 1-6, DOI: 10.1109/ICAEECI58247.2023.10370896.
4. K. Srisabarimani and R. Arthi**, "Segmentation of Ischemic stroke in Brain DWI MRI,"** 2024 International Conference on Emerging Systems and Intelligent

Computing (ESIC), Bhubaneswar, India, 2024, pp. 709-712, doi: 10.1109/ESIC60604.2024.10481614.

5. Kaliannan, S., Rengaraj, A. and Daniel, A.P., 2022. **A Novel Fusion Approach to Detect Brain Tumor Using Machine Learning for MRI Images**. *Traitement du Signal*, *39*(4), p.1363.
6. Srisabarimani, K., Arthi, R., Soundarya, S., Akshaya, A., Mahitha, M. and Sudheer, S., 2022. **Smart Segregation Bins for Cities Using Internet of Things (IoT)**. In *Electronic Systems and Intelligent Computing: Proceedings of ESIC 2021* (pp. 717-730). Singapore: Springer Nature Singapore.
7. Srisabarimani, K., Arthi, R., Parihar, N., Priya, K. and Nair, S., 2021. **Detection and classification of different stages of benign and malignant tumor of MRI brain using machine learning**. In *Advances in Power Systems and Energy Management: Select Proceedings of ETAEERE 2020* (pp. 319-330). Springer Singapore.
8. Srisabarimani, K., Arthi, R., Pattabiraman, B. and Suburamani, S., 2022, March. **A Solution for Monitoring the Eye's Viewing Distance from Electronical Displays.** In *2022 International Conference on Communication, Computing and Internet of Things (IC3IoT)* (pp. 1-5). IEEE.
9. Sri Sabarimani, K., Arthi, R. "**A brief review on brain tumour detection and classifications"** Studies in Computational Intelligence, 2021, 903, pp. 61–72
10. Reji, V., Sudha, R.K., Srisabarimani, K. and Doss, M.P., 2014. Research Article **Miniature Magnetic Film Glass Core Helical Antenna Array**. *Research Journal of Applied Sciences, Engineering and Technology*, *8*(5), pp.654-657.
11. Reji, V., Sudha, R.K. and Srisabarimani, K., **High Gain Elliptical Stac High Gain Elliptical Stacked Patch Antenna**.

Professional Bodies

Life Member in ISTE, Member in ISC