Dr.K.Gopi. M.E., Ph.D.,
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Dr. K. Gopi working as an Assistant Professor in the Department of ECE at SRMIST, Ramapuram. He is graduated in Electronics and Instrumentation Engineering, SRM Valliammai Engineering college, Chennai. He is completed Master of Engineering in VLSI Design at King College of Technology, Namakkal. He is completed his Ph.D. in the field of Medical Image Processing at SRM University, Kattankulathur, Chennai, India. He is in teaching profession for more than 4.5 years. He has presented 14 number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Image Processing, Machine Learning, Deep Learning.

Selected Publications:

SCI

- Gopi Kasinathan, Selvakumar Jayakumar, Amir H. Gandomi, Manikandan Ramachandran, Simon James Fong, Rizwan Patan, “Automated 3-D Lung

Tumor Detection and Classification by an Active Contour Model and CNN Classifier" published in the journal of Expert Systems with Applications, Volume 134, 15 November 2019, Pages 112-119, doi.org/10.1016/j.eswa.2019.05.041, **(SCI – Published, IF- 7.5)**

- K. Gopi, J. Selvakumar, "Cloud based Lung Tumor Detection and Stage Classification using Deep Learning Techniques" submitted in Biomed Research International, 2021, **(SCI – Published, IF- 2.6)**
- B.Gomatheeshwari, K. Gopi, "Low-Complex Resource Mapping Heuristics for Mobile and IoT WorkloadsonNoC-HMPSoC Architecture" submitted in Biomed Research International, 2021, **(SCI – Published, IF- 1.9)**

Web of Science

- Deepak K,Hemalatha M, Ajith R, Gopi K, "Detection of air pollution in vehicles using Embedded and IOT" published in International journal of innovative research in computer and communication engineering, 2021, **(Published)**
- M Hemapriya, M Naveenkumar, P Kanithra, R Devaprasanth, K Gopi, "Smart Toxic Gas Analyzer Using IoT AR" published in International Journal for Scientific Research & Development, 2020. **(Published)**
- K Gopi, K Gowsalya, "Analysis of Lung Nodule Detection and Stage Classification using Faster RCNN Technique" published in International Research Journal of Engineering and Technology (IRJET), 2022. **(Published)**

- K Gopi, D Gowtham, R Nivethitha, M Mathumitha, DS Shyamsundar, “Design and Implementation of Footboard and Social Distancing Alert System in Bus using Arduino and Ultrasonic Sensor” published in International Journal of Engineering Research & Technology, 2022. **(Published)**

International/National Conferences

- K Gopi, B Gomatheeshwari, J Sandhya, B Arunkumar, R Swetha,"Deep Learning-based Intelligent Facial and Human Gait Recognition System", 2024 International Conference on Communication, Computing and Internet of Things (IC3IoT),DOI:https://doi.org/10.1109/IC3IoT60841.2024.10550272
- K. Gopi, J. Selvakumar, “Analysis of Lung Tumor detection and segmentation using level set method of active contour model” published in International Journal of Engineering and Technology, doi: 10.14419/ijet.v7i4.10.21028 (Scopus indexed)
- K. Gopi and J. Selvakumar, "Lung tumor area recognition and classification using EK-mean clustering and SVM," 2017 International Conference on Nextgen Electronic Technologies: Silicon to Software (ICNETS2), 2017, pp. 97-100, doi: 10.1109/ICNETS2.2017.8067906 (Scopus indexed)
- K. Gopi, B Gomatheeshwari, Banu Priya, "Automatic Air Pollution Monitoring and Speed Control in Vehicle Using Embedded

IoT", International Conference on Power, Energy, Control and TransmissionSystem (ICPECTS2022) (Scopus indexed)

- Banu Priya P, T Sivasakthi, Gopi K, " Digital Image Processing Based Pest Detection", 2022 1st International Conference on Computational Scienceand Technology (ICCST) (Scopus indexed)
- M Jenath Sathikbasha, R Srivel, P Banupriya, K Gopi, "Broadband and Wide Beam width Orthogonal dipole Antenna for Wireless Applications", International Conference on Power, Energy, Control and Transmission System(ICPECTS2022) (Scopus indexed)

Patents:

- 202241032480 A- Cloud-Based Automated 3d-Lung Cancer Segmentationand Detection Model on 17.06.2022.
- 202341004218 - Deep Learning approach for Predicting Ocean Parameterson 21.01.2023
- 202341008678 A - Pin Diode-Based Frequency Reconfigurable AntennaFor Wireless Applications on 24.03.2023
- 202341056490 A- Reviving augmented reality transforming tourist experiences through immersive digital overlays-8.09.2023
- 202441014518- Dynamic spectrum allocation method for enhanced 5G wireless network efficiency-7.06.2024

Professional Bodies:

Member – IEEE, IE(I)

Google Scholar:

https://scholar.google.com/citations?user=M-f-LKYAAAAJ HYPERLINK "https://scholar.google.com/citations?user=M-f-LKYAAAAJ&hl=en"& HYPERLINK "https://scholar.google.com/citations?user=M-f-LKYAAAAJ&hl=en"hl=en

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