




K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

Faculty Name	Dr. Vijayalaxmi Mekali	
Designation	Professor	
Educational Qualification	Ph. D	
Experience in Years	Teaching:20 years	
Areas of Interest	Medical image processing.	
E-mail	vijayalamimekali@ksit.edu.in	

Educational Details

Examination/ Degree	College / University	Year of Passing
Ph.D	Visvesvaraya Technological University (VTU)	2021
M. Tech	Visvesvaraya Technological University (VTU)	2011
BE	Karnataka University	2000

Publications

Orchid:

<https://orcid.org/0000-0002-1289-1408>

Google Scholar Citations:

<https://scholar.google.com/citations?user=jj6Nam8AAAAJ&hl=en>

Scopus Profile:

<https://www.scopus.com/authid/detail.uri?authorId=56647950100>.

PAPER PUBLISHED IN JOURNALS

1. "NeuroSync: Thoughts to Character Conversion Through Deep Learning Ensemble Model", **International Advanced Research Journal in Science, Engineering and Technology**, vol. 10, Issue. 5, 2024
2. "A Survey of Artificial Intelligence (AI) and Brain Computer Interface Techniques (BCI) for Translating Brain Signals into Text", **International Advanced Research Journal in Science, Engineering and Technology**, vol. 10, Issue. 5, Dec 2024.
3. "Detection of Diabetic Retinopathy", **Journal of Emerging Technologies and innovative Research**, Vol. 10, Issue 2, 2023.
4. "Gamified LMS for Programming Concepts", **International Advanced Research Journal in Science, Engineering and Technology**, vol. 10, Issue. 5, 2023
5. "Detection and Segmentation of Corona Virus Infected Region of Lung in CT images by

using Deep learning approach” **Journal of Emerging Technologies and innovative Research, Vol. 10, Issue 2, 2022.**

6. *“Visualizing and Forecasting Stocks Using Dash”*, **Journal of Emerging Technologies and innovativeResearch, Vol. 10, Issue 2, 2022.**
7. *“Fully Automatic Detection and Segmentation Approach for Juxta-Pleural Nodules from CT Images”*, **International Journal of Healthcare Information System and Informatics (IJHISI), IGI global, vol. 16, no. 2, 2021.**
8. *“Fingervein Detection Using Image Processing”*, **International Journal of Scientific Research in Engineering and Management, vol. 05 Issue: 07, 2021 ISSN: 2582-3930**
9. *“An Image Based Eye-Blink Assistive System For Paralyzed Patients”*, **International Research Journal of Engineering and Technology , vol. 07, Issue: 05, 2020, ISSN: 2395-0056**
10. *“Novel CADe/x System for Lung Nodules Segmentation and Classification on Computed Tomography Images”*, **International Journal of Innovative Technology and Exploring Engineering, vol.9, no. 2, 2019.**
11. *“Integrated System for Classification of Pulmonary Nodules on CT Images”*, **International Journal of Recent Technology and Engineering, vol. 8, no.4, 2019. Scopus Indexed Journal.**
12. *“Automated Lung Cancer Detection System Using Computed Tomography Images”*, **International Journal of Innovations in Engineering and Science, vol. 3, No.4, 2018**
13. *“Automated Lung Nodules and Ground Glass Opacity Nodules Detection and Classification from Computed Tomography Images”*, **Springer Lecturer Notes in Computational and Biomechanics (LNCB), vol. 30, pp.1347-1358, 2018.**
14. *“Clinical Study of Cancer Tumors Size and Stages”*, **International Journal of Current Research, vol.9, no.12, 2017.**
15. *“Lung Parenchyma Segmentation and Solitary Pulmonary Nodules in Lungs Detection Techniques-A Survey”*, **International Journal of Innovative Research in Computer and Communication Engineering, vol. 3, no. 6, 2015.**
16. *“Lung Parenchyma Detection and Diagnosis by Diffusion Weight MRI”*, **International Journal of Applied Engineering, Research, vol. 10, no. 86, 2015.**

PUBLISHED IN CONFERENCES

1. *“Fully Automated CAD System for Juxta Vascular Nodules Segmentation in CT Scan Images”*, **IEEE 3rd International Conference, Tamil Nadu, India. IEEE Xplore., pp. 317-324, 2019.**
2. *“Automated Lung Nodules and Ground Glass Opacity Nodules Detection and Classification from Computed Tomography Images”*, **2nd International Conference, Springer Lecturer Notes in Computational and Biomechanics, vol. 30, pp.1347-1358, 2018.**
3. *“Solitary Pulmonary Nodules Classification Based on Tumor Size and Volume of Nodule”*, **IEEE 2nd International Conference IEEE Xplore, pp. 394-398, 2016**
4. *“Segmentation of lung MRI based on Fuzzy maximum posteriori Estimate of Lung cancer Tumor”*, **2nd World Conference on Applied Sciences, 2013.ISBN :978-81-923724-2-6**

Awards/Recognition

NPTEL Certificate Obtained

S. No	Name of the Course	Grade Obtained
1	Machine Learning	Topper 1%: Silver Medal + Elite(2025)
2.	Introduction to Machine Learning	Silver Medal +Elite Certificate(2024)

Professional Membership

1. Life member of ISTE

Contact Details

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