# K. S. INSTITUTE OF TECHNOLOGY

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

| Faculty Name | Dr Surekha Byakod |
|---|---|
| Designation | Associate  Professor |
| Educational Qualification | PhD |
| Experience in Years | 11 years |
| Areas of Interest | Medical Image Processing |
| E-mail | surekhapb@ksit.edu.in |

## Educational Details

| Examination/ Degree | College / University | Year of Passing |
|---|---|---|
| UG | VTU University, Belgaum | 2003 |
| PG | VTU University, Belgaum | 2012 |
| PhD | VTU University, Belgaum | **2024** |

## Publications

### Journal Publications:

**1.** Presented paper on" Feature Identification for computer aided diagnosis of liver cirrhosis",ICONSET ,April 2018 Published in AIP. Published Paper Titled" A FEASIBILITY STUDY OF LUNG CANCER DIAGNOSIS BY HIGH INTENSITY PIXELS IN LUNG CT IMAGES" in"Journal of Contemporary Issues in Business and Government" Vol. 27, No. 3, 2021 https://cibg.org.au/ P-ISSN: 2204-1990; E-ISSN: 1323-6903 DOI: 0.47750/cibg.2021.27.03.2311 (Indexing in Web of Science)

**2.** Published Paper Titled "Identification Of Malignant and Begign Lung CT images using segmentation tools "in European Journal of Molecular &amp; Clinical Medicine ISSN 2515-8260 Volume 8, Issue 3, 2021.(Scopus Indexed)

**3.** Published Paper Titled "COMPUTER-AIDED CLASSIFICATION OF BENIGN AND MALIGNANT LUNG CANCER CT IMAGES "in JOURNAL OF CRITICAL REVIEWS, ISSN- 2394-5125 VOL 7, ISSUE 14, 2020 2047.(ScopusIndexed)

**4.** Published Paper Titled" A FEASIBILITY STUDY OF LUNG CANCER DIAGNOSIS BY HIGH INTENSITY PIXELS IN LUNG CT IMAGES" in "Journal of Contemporary Issues in Business and

Government" Vol. 27, No. 3, 2021 https://cibg.org.au/ P-ISSN: 2204-1990; E-ISSN: 1323-6903 DOI: 0.47750/cibg.2021.27.03.2311 (Indexing in Web of Science)

**5.** Published Paper Titled "Identification Of Malignant and Begign Lung CT images using segmentation tools "in European Journal of Molecular &amp; Clinical Medicine ISSN 2515-8260 Volume 8, Issue 3, 2021.(Scopus Indexed)

**6.** Published Paper Titled" A FEASIBILITY STUDY OF LUNG CANCE9.R DIAGNOSIS BY HIGH INTENSITY PIXELS IN LUNG CT IMAGES" in "Journal of Contemporary Issues in Business and Government" Vol. 27, No. 3, 2021 https://cibg.org.au/ P-ISSN: 2204-1990; E-ISSN: 1323-6903 DOI: 0.47750/cibg.2021.27.03.2311  (Indexing in Web of Science)

**7.** Published Paper Titled "Identification Of Malignant and Begign Lung CT images using segmentation tools "in European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 8, Issue 3, 2021.(Scopus Indexed)

**8.** Published Paper Titled "COMPUTER-AIDED CLASSIFICATION OF BENIGN AND MALIGNANT LUNG CANCER CT IMAGES "in JOURNAL OF CRITICAL REVIEWS, ISSN- 2394-5125 VOL 7, ISSUE 14, 2020 2047.(Scopus Indexed)

**9.** Published Patent on "machine learning Enabled sensitive flex sensor based back spine position monitoring and Alarm system"

**10.**Published Paper "Lung cancer CT image classification using hybrid-SVM transfer learning approach"in Soft Computing Volume 27, pages 9845–9859, (2023) in springer, https://doi.org/10.1007/s00500-023-08498-x.

## National Conference:

**1.**Presented International conference paper on"Nanotechnology and Education "in KBN college of engineering at Gulbarga.

**2.** International Conference of Electrical, Electronics, Instrumentation and Biomedical Engineering ( ICEEIB2012)

**3.** Presented International conference paper on "Computer vision for diagonosing malignant melanoma by pixel intensity matrix parameters"IEEE Explorer in 2016 in karpagam college of engineering at Coimbatore.

**4.** Presented International conference paper on "Classification of kidney stones"in 2016 in Rajrajeshwari college of engineering at Bangalore.

**5.** Presented International conference paper on "Accuracy analysis of machine vision for detection of malignant melanoma using pixel intensity matrix parameters." ETAEERE, SMIT, Sikkim Dec 2016 International Conference In Springer book chapter.

**6.** Presented International conference paper on "Performance Evaluation of filtering techniques for cancerous lung images"NCBSI 2016, ACSCE, Bangalore.

7. Presented International conference paper on "Categorizing kidney stones using region properties and pixel intensity matrix" CISC 2017,Hyderabad.
8. Presented International conference paper on "Investigation on diabetic foot impairment using NIR images and thermoregulatory behaviour" ICCCNT 2017, IIT Delhi.
9. Presented International conference paper on "Feasibility study of nir,dsl imaging techniques for automatic diabetic foot screening" NGCT 2017,Dehradun

## Awards

1. **Causing 100% result in subject.**

## Professional Membership

## Contact Details

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