K. S. INSTITUTE OF TECHNOLOGY

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

Faculty Name	Poornima H N	
Designation	Asst. Professor	
Educational Qualification	B.E., M. Tech, (Ph. D)	
Experience in Years	12yrs	
Areas of Interest	Medical Image Processing, AI and Machine Learning.	
E-mail	poornimahn@ksit.edu.in	

Examination/ Degree	College / University	Year of Passing
Ph.D	AMC Engineering College/ VTU	Pursuing
M.Tech	B.M.S. College of Engineering/ VTU	2009
B. E	Bahubali College of Engineering/ Mysore University	2001

Publications

Journal Publications:

- **Poornima, H. N., and Ganga Holi. "Detection Of Breast Cancer By A Novel Cisa-Toa Model Using Mammograms." Eur. Chem. Bull. 2023, 12 (S3), 6473 – 6491. DOI: 10.31838/ecb/2023.12.s3.731**

- **Poornima, H. N., and Ganga Holi. "Computer-Aided Breast Cancer Detection and Classification Approaches Using Mammography, Thermography, MRI and Ultrasound Imaging: A Systematic Review. "*International J. GIS SCIENCE JOURNAL* ISSN NO : 1869-9391,Vol. 9(2), pp 329-341, (2022),**

- **Poornima, H. N., and Ganga Holi. "Early Detection of Breast Abnormality By Deep Belief Network With Improved Activation Function." *International Journal of Advanced Research in Engineering and Technology (IJARET),*Volume 11, Issue 12, December 2020, pp. 3406-3424, Article ID: IJARET_11_12_321**

- **Poornima, H. N., and Ganga Holi. "Automatic Breast Cancer Detection with Optimized Ensemble of Classifiers."*International Journal of Advanced Research in Engineering and Technology (IJARET),*Volume 11, Issue 11, November 2020, pp. 2545-2555 Article ID: IJARET_11_11_253**

- **Latha, H. N., and H. N. Poornima. "Estimation of Blur and Depth-Map of a De-focused Image by Sparsity using Gauss Markov Random Field Convex-Prior."** *International Journal of Science and Research, ISSN* **(2019): 2319-7064. DOI: 10.21275/ART20202687**

Conference Papers:

1. **HN, Shylaja, Latha HN, Poornima HN, and B. Uma. "Detection and Localization of Mask Occluded Faces by transfer learning using Faster RCNN." In Proceedings of the International Conference on Innovative Computing & Communication (ICICC). 2021. https://dx.doi.org/10.2139/ssrn.3835214**

2. **Latha, H. N., Sahay, R. R., & Poornima, H. N. (2020, July). Simultaneous denoising and deblurring by non-convex regularization: alternating minimization framework. In 2020 International Conference on Communication and Signal Processing (ICCSP) (pp. 0395-0400). IEEE.**

Awards

1. **Awarded Best NSS Volunteer**
2. **Gold Medal in State Level Chess Competition.**

Professional Membership

1. - **Life Member of ISTE**

Contact Details

Official Address: #14, Raghiuvanahalli, Kanakapura Main Road, Bengaluru - 5600109
Alternate Email: puni27@gmail.com