




K. S. INSTITUTE OF TECHNOLOGY

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Faculty Name	Dr. Vijayalaxmi Mekali	
Designation	Associate Professor	
Educational Qualification	Ph. D	
Experience in Years	16 Years	
Areas of Interest	Image Processing, Medical Image Processing, Machine Learning, Data Structures and Algorithms	
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Educational Details		
Examination/ Degree	College / University	Year of Passing
Ph. D	Research center: R. N. S Institute of Technology, Bangalore Visvesvaraya Technological University , Belagavi	2021
M.Tech	College: MVJ, College of Engineering, Bangalore University: Visvesvaraya Technological University , Belagavi	2011
B. E	College: Basaveshwar Engineering College, Bagalkot University: Karnataka University, Dharwad	2000

Publications
<p>Journal Publications:</p> <ol style="list-style-type: none"> Vijayalaxmi Mekali and Dr. Girijamma H A, “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, issue 2, 2021. Vijayalaxmi Mekali and Dr. Girijamma H A, “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. Vijayalaxmi Mekali and Dr. Girijamma H A, “Integrated System for Classification of Pulmonary Nodules on CT Images”, International Journal of Recent Technology and Engineering, vol. 8, no.4, 2019. E Sravani, G Vinutha, S Talluri, CK Mithun and Vijayalaxmi Mekali, “Automated Lung Cancer Detection System Using Computed Tomography Images”, International Journal of Innovations in Engineering and Science, Vol. 3, No.4, 2018 Vijayalaxmi Mekali and Dr. Girijamma H A, “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.

6. Vijayalaxmi Mekali and Dr. Girijamma H A, “Clinical Study of Cancer Tumors Size and Stages”, International Journal of Current Research, vol.9, no.12, 2017.
7. Vijayalaxmi Mekali and Dr. Girijamma H A, “Lung Parenchyma Detection and Diagnosis by Difussion Weight MRI”, International Journal of Applied Engineering, Research, vol. 10, no. 86, 2015.
8. Vijayalaxmi Mekali and Dr. Girijamma H A, “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.

Conference Papers :

1. Vijayalaxmi Mekali and Dr. Girijamma H A, “Fully Automated CAD System for Juxta Vascular Nodules Segmentation in CT Scan Images”, 3rd International Conference on Computing Methodologies and Communication (ICCMC), IEEE, pp. 317-324, 2019.
2. Vijayalaxmi Mekali and Dr. Girijamma H A, “Automated Lung Nodules and Ground Glass Opacity Nodules Detection and Classification from Computed Tomography Images”, International Conference on ISMAC, Springer Lecturer Notes in Computational and Biomechanics LNCB, vol. 30, pp.1347-1358, 2018.
3. Vijayalaxmi Mekali and Dr. Girijamma H A, “Solitary Pulmonary Nodules Classification Based on Tumor Size and Volumn of Nodules”, 2nd International Conference on Applied and Theoretical Computing and Communication Technology, (iCATccT) IEEE, pp. 394-398, 2016.

Awards

1. -
2. -

Professional Membership

1. - ISTE, LM 46838

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