



Name: DR. MRITYUNJAYA V. LATTE

Date of Birth: 25<sup>th</sup> April 1964

Place of Birth: Dharwad, Karnataka

Academic : a. Ph.D. (Electronics & Communication Engg.) in 2004  
Qualifications      Karnatak University, Dharwad 580003 Karnataka

b. M.E., (Digital Electronics) in 1995

c. B.E., (Electrical) in 1987

Completed both UG and PG at S.D.M. College of Engineering & Technology, Dharwad, then affiliated to Karnatak University, Dharwad 580 003 Karnataka India.

Ph.D. in the faculty of Science & Technology from Karnatak University, Dharwad, Karnataka

**Positions:** Held various positions as youngest Professor and Dean (Administration)

Current Status: Principal, JSS Academy of Technical Education, Bangalore-560 06 since 22<sup>nd</sup> January 2010.

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Principal  
JSS Academy of Technical Education,  
Dr. Vishnuvardhan Road, Uttarahalli – Kengeri Main Road  
Bangalore 560 060 India

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8<sup>th</sup> Cross, Jayanagar 7<sup>th</sup> Block, West of Kanakapura Road,  
Bangalore 560070 Karnataka India

## **Profile:**

- A Professor with combination of Technical know-how, excellent in Engineering Electronics and an administrator, Manager and Governor of multi-tasking with efficiency and time-bound in achieving set goals.
- I have an undying energy for the completion of assigned tasks and extensive experience in defining cross functional teams with diverse technical background.
- Due to my hard work, I have the record of not applying leave for nearly three decades

## **Academics:**

- Excelled in teaching, Research, Governing, Managing and up-bringing of Engineering Electronics in the colleges served.
- Total experience: 31 years
- Completed B.E., and M.E., at SDM College of Engineering & Technology, Dharwad 580 002 Karnataka India.
- Professor and Head of Electronics & Communication Engineering Department from 1-04-2005 after getting regular promotions from the post of Lecturer and Assistant Professor.
  - Worked in S D M College of Engg. & Tech., Dharwad from 03-09-1994 to 02-08-2008
- Worked as Controller of Examinations, Jain University, Bangalore and Professor in Electronics & Communication Engg. From 04-08-2008 to 21-01-2010.
- Worked as lecturer in S T J Institute of Technology, Ranebennur from 1708-1987 to 02-09-1994

## **Research:**

- Successfully guided nine Ph.D. candidates till now, who are awarded degree from Visvesvaraya Technological University, Belgaum and Jawaharlal Technological University, Hyderabad.  
Four more candidates are in the pipeline.
- Received “Best Paper Award” for the research paper Entitled “Applications of Weighted Least Squares Technique for Designing Equiripple FIR Higher order Digital Differentiators” at National Conference on Signals & Security (NCSSS 2002) held at PSG Institute of Technology, Coimbatore, on 1<sup>st</sup> & 2<sup>nd</sup> March 2002.
- Recognized as reviewer for International journal Elsevier science, Digital Signal Processing.
- Chaired a session in an International Conference on “Signal and Image processing” held at B V B College of Engineering & Technology, Hubli, Karnataka, India from 07-12-2006 to 09-12-2006.
- Published more than 65 research articles in refereed journals, National and International conferences.

## Additional

### Recognitions:

- a. Member, Academic Council (VTU Nominee),  
R V College of Engineering, Bangalore from June 2016 – May 2018.
- b. Member, Governing Council (VTU Nominee), Governing Council,  
PES Institute of Technology (South), Bangalore
- c. Member, Governing Council, Vijayanagar Engineering College, Hospet  
(VTU Nomine, 2004-06).
- d. Member, Governing Council, Rural Engg College, Bhalki  
(VTU Nominee, 2006-2008)
- e. Member Secretary, Standing Committee, SDMCET, Dhrawad,  
(2005-2006)
- f. Member, Academic Council, SDMCET, Dharwad, (2006-2008)

**Details of Ph.D's awarded:**

- a. Dr. Lalitha Y S  
Title of Thesis: "Wavelets for Medical Image Compression"  
USN: 2SD06PEN02  
Visvesvaraya Technological University, Belagavi  
Degree Award: April 2013.
  
- b. Dr. M N Eswarappa  
Title of Thesis: "Multimodal Biometric Person Authentication System"  
USN: 2SD06PEN01  
Visvesvaraya Technological University, Belagavi,  
Degree Award: April 2013.
  
- c. Dr. Hanumantappa C Hadimani  
Title of Thesis: "Interference Management Techniques to Improve the  
Performance of Multiple Input Multiple Output (MIMO) Systems  
for next Generation Cellular Networks"  
USN: 1JS12PEN01  
Visvesvaraya Technological University, Belagavi,  
Degree Award: February 2017.
  
- d. Dr. N D. Dushantha  
Title of Thesis: "Analysis and Modelling of Diffuse Ultrasonic Signals for  
Structural Health Monitoring using Image Processing  
Techniques"  
USN: 1JS09PEM01  
Visvesvaraya Technological University, Belagavi,  
Degree Award: February 2017.
  
- e. Dr. Geeta Hanji  
Title of Thesis "Study and Design of Nonlinear Filters for Image Processing and  
its Applications"  
USN: 0703PH0849  
Jawaharalal Nehru Technological University, Hyderabad,  
Degree Award: 2016.
  
- f. Dr. T M P Rajkumar  
Title: "Super Imposed Diamond search based wavelet CODEC for extraction of  
redundancy in Image"

USN: 0703PH0822

Jawaharlal Nehru Technological University, Hyderabad

Degree Award: January 2018

g. Sri. Siddalingesh S Navalgund

Title: "Manual Routing in FPGAs for DSP Implementation"

USN: 2SD06PEM03

Visvesvaraya Technological University, Belagavi

Thesis Submitted

h. Sri. Shetty Pramodkumar

Title: "Study and Analysis of segmentation algorithms for Lung Images"

USN: 5VX13PEN74

Visvesvaraya Technological University, Belagavi

Thesis Submitted

i. Ms. Sangeeta K Siri

Title: "Study and Analysis of segmentation algorithms for Liver Images"

USN:5VX13PEN110

Visvesvaraya Technological University, Belagavi

Thesis Submitted

- Worked as member in Local Inquiry Committee, VTU, Belgaum
- Worked as member, Board of Examiners (BOE), Department Of Electronics, Karnatak University, Dharwad.
- Worked as member BOE, Engg. Discipline, Bangalore University, Bangalore.
- Worked as member, Board of Examinations, Belgaum Region, Visvesvaraya Technological University, Belgaum, during the academic year 2006-2007.

## **Publications List:**

1.	<p><b>Title:</b> A Novel Approach to Extract Exact Liver Image Boundary from Abdominal CT Scan using Neutrosophic Set and Fast Marching Method <b>Author(s):</b> Sangeeta K. Siri; Mrityunjaya V. Latte <b>Source:</b> Journal of Intelligent Systems <b>Volume:</b> Yet to print <b>Issue:</b> Yet to print <b>Published:</b> 2017 <b>DOI:</b> 10.1515/jisys-2017-0144</p>
2	<p><b>Title:</b> <u>Universal Liver Extraction Algorithm: An Improved Chan–Vese Model</u> <b>Authors:</b> Sangeeta K Siri; Mrityunjaya V Latte <b>Source:</b> Journal of Intelligent Systems, Volume 0, Issue 0. Pages - <b>Product Type:</b> Journals/Yearbooks <b>DOI:</b> <a href="https://doi.org/10.1515/jisys-2017-0362">https://doi.org/10.1515/jisys-2017-0362</a></p>
3	<p><b>Title:</b> Modified and Optimized Method for Segmenting Pulmonary Parenchyma in CT Lung Images, Based on Fractional Calculus and Natural Selection <b>Authors:</b> S. Pramod Kumar, Mrityunjaya V. Latte <b>Source:</b> Journal of Intelligent Systems, Volume 0, Issue 0. Pages - <b>Product Type:</b> Journals/Yearbooks <b>DOI:</b> <a href="https://doi.org/10.1515/jisys-2017-0028">https://doi.org/10.1515/jisys-2017-0028</a></p>
4	<p><b>Title:</b> Lung Parenchyma Segmentation: Fully Automated and Accurate Approach for Thoracic CT Scan Images <b>Authors:</b> S. Pramod Kumar, Mrityunjaya V. Latte <b>Source:</b> (2018): IETE Journal of Research, <b>DOI:</b> 10.1080/03772063.2018.1494519 <b>To link to this article:</b> <a href="https://doi.org/10.1080/03772063.2018.1494519">https://doi.org/10.1080/03772063.2018.1494519</a></p>
5	<p><b>Title:</b> Combined endeavor of Neutrosophic Set and Chan-Vese model to extract accurate liver image from CT scan <b>Author(s):</b> Sangeeta K Siri; Mrityunjaya V. Latte <b>Source:</b> Computer Methods and Programs in Biomedicine: Elsevier Science Direct, <b>Volume:</b> 151 <b>Pages:</b> 101-109 <b>Published:</b> 2017 <b>DOI:</b> 10.1016/j.cmpb.2017.08.020</p>
6	<p><b>Title:</b> Fully Automated Segmentation of Lung Parenchyma Using Break and Repair Strategy <b>Author(s):</b> S. Pramod Kumar; Mrityunjaya V. Latte <b>Source:</b> Journal of Intelligent Systems <b>Volume:</b> Yet to print <b>Issue:</b> Yet to print <b>Published:</b> 2017 <b>DOI:</b> 10.1515/jisys-2017-0020</p>
7	<p><b>Title:</b> Behavior of Certain Wavelets in Classification of Orthopaedic Images of Different Modalities <b>Author(s):</b> M. V. Latte; Kumar Swamy. V; B. S. Anami <b>Source:</b> International Journal of Signal Processing, Image Processing and Pattern Recognition <b>Volume:</b> 9 <b>Issue:</b> 12 <b>Pages:</b> 185--198 <b>Published:</b> 2016</p>

	<b>DOI:</b> 10.14257/ijcip.2016.9.12.18
8	<b>Title:</b> Detection and localization of damage using empirical mode decomposition and multilevel support vector machine <b>Author(s):</b> N. D. Dushyanth; M. N. Suma; Mrityanjaya V. Latte <b>Source:</b> Applied Physics A <b>Volume:</b> 122 <b>Issue:</b> 3 <b>Published:</b> 2016 <b>DOI:</b> 10.1007/s00339-016-9753-z
9	<b>Title:</b> Multiple nutrient deficiency detection in paddy leaf images using color and pattern analysis <b>Author(s):</b> Mrityunjaya V Latte; Sushila Shidnal <b>Conference:</b> International Conference on Communication and Signal Processing (ICCSP) <b>Year:</b> 2016 <b>DOI:</b> 10.1109/iccsp.2016.7754352
10	<b>Title:</b> Optimized mathematical model for cell receivers running in spatially problematic multi path channels for wireless systems in smart antennas <b>Author(s):</b> H. C. Hadimani; Mrityunjaya V. Latte; P. H. S. Tejomurthy; et al. <b>Conference:</b> 2016 International Conference on Emerging Trends in Engineering, Technology and Science (ICETETS) <b>Year:</b> 2016 <b>DOI:</b> 10.1109/icetets.2016.7603049
11	<b>Title:</b> A Combined Color and Texture Features Based Methodology for Recognition of Crop Field Image <b>Author(s):</b> Mrityunjaya V. Latte; SushilaShidnal; B.S. Anami; et al. <b>Source:</b> International Journal of Signal Processing, Image Processing and Pattern Recognition <b>Volume:</b> 8 <b>Issue:</b> 2 <b>Pages:</b> 287--302 <b>Published:</b> 2015 <b>DOI:</b> 10.14257/ijcip.2015.8.2.28
12	<b>Title:</b> A Combined HSV and GLCM Approach for Paddy Variety Identification from Crop Images <b>Author(s):</b> Mrityunjaya V. Latte; Sushila Shidnal; B.S. Anami; et al. <b>Source:</b> International Journal of Signal Processing, Image Processing and Pattern Recognition <b>Volume:</b> 8 <b>Issue:</b> 10 <b>Pages:</b> 221--232 <b>Published:</b> 2015 <b>DOI:</b> 10.14257/ijcip.2015.8.10.24
13	<b>Title:</b> A novel adaptive tolerance filter for random valued impulse noise suppression in digital grey and color images <b>Author(s):</b> GeetaHanji; Mrityunjaya V. Latte <b>Source:</b> Journal of Advanced Computer Science & Technology <b>Volume:</b> 4 <b>Issue:</b> 1 <b>Pages:</b> 43 <b>Published:</b> 2015 <b>DOI:</b> 10.14419/jacst.v4i1.3979
14	<b>Title:</b> A Novel Mean Median Filter for Noise and Artifacts Suppression from Digital Images <b>Author(s):</b> Geeta Hanji; Mrityunjaya V. Latte <b>Source:</b> International Journal of Computer Applications <b>Volume:</b> 114 <b>Issue:</b> 17 <b>Pages:</b> 20-26 <b>Published:</b> 2015 <b>DOI:</b> 10.5120/20070-1989
15	<b>Title:</b> Adaptive Thresholding Based Medical Image Compression Technique Using Haar Wavelet Based Listless SPECK Encoder and Artificial Neural Network

	<p><b>Author(s):</b> T. M. P. Rajkumar; Mrityunjaya V. Latte  <b>Source:</b> Journal of Medical Imaging and Health Informatics <b>Volume:</b> 5 <b>Issue:</b> 2 <b>Pages:</b> 223--234 <b>Published:</b> 2015  <b>Times Cited:</b> 1  <b>DOI:</b> 10.1166/jmihi.2015.1386</p>
16	<p><b>Title:</b> An Ameliorated Detection Statistics for Adaptive Mask Median Filtration of Heavily Noised Digital Images  <b>Author(s):</b> Geeta Hanji; Latte M.V.; Varsha K; et al.  <b>Source:</b> ICTACT Journal on Image and Video Processing <b>Volume:</b> 06 <b>Issue:</b> 02 <b>Pages:</b> 1145--1151 <b>Published:</b> 2015  <b>DOI:</b> 10.21917/ijivp.2015.0167</p>
17	<p><b>Title:</b> An Efficient ROI Encoding Based On LSK and Fractal Compression  <b>Source:</b> International Arab Journal of Information Technology <b>Published:</b> 2015  <b>Times Cited:</b> 1  <b>URL :</b> <a href="http://ccis2k.org/iajit/PDF/%20vol.12,no.3/4779.pdf">http://ccis2k.org/iajit/PDF/%20vol.12,no.3/4779.pdf</a></p>
18	<p><b>Title:</b> Mathematical modeling of Lamb wave scattering for structural health monitoring  <b>Author(s):</b> N. D. Dushyanth; M. N. Suma; Mrityunjaya V. Latte  <b>Source:</b> Journal of Civil Structural Health Monitoring <b>Volume:</b> 5 <b>Issue:</b> 5 <b>Pages:</b> 743--749 <b>Published:</b> 2015  <b>DOI:</b> 10.1007/s13349-015-0142-7</p>
19	<p><b>Title:</b> Novel Fuzzy Filters for Noise Suppression from Digital Grey and Color Images  <b>Author(s):</b> GeetaHanji; Basaveshwari C.; M.V. Latte  <b>Source:</b> International Journal of Computer Applications <b>Volume:</b> 125 <b>Issue:</b> 15 <b>Pages:</b> 29--37 <b>Published:</b> 2015  <b>DOI:</b> 10.5120/ijca2015906236</p>
20	<p><b>Title:</b> Novel superimposed diamond search algorithm for medical image compression  <b>Author(s):</b> T.M.P. Rajkumar; Mrityunjaya V. Latte  <b>Source:</b> International Journal of Computer Applications in Technology <b>Volume:</b> 51 <b>Issue:</b> 3 <b>Pages:</b> 185 <b>Published:</b> 2015  <b>DOI:</b> 10.1504/ijcat.2015.069332</p>
21	<p><b>Title:</b> Performance Analysis of Novel Median Filter for Noise Suppression from Digital Images  <b>Source:</b> International Journal of Computer Applications (IJCA) <b>Published:</b> 2015  <b>DOI:</b> 10.5120/21863-5187</p>
22	<p><b>Title:</b> Performance Study of Novel Median Filter for Image De-Noising  <b>Author(s):</b> Geeta Hanji; M.V.Latte  <b>Source:</b> International Journal of Computer Applications <b>Volume:</b> 122 <b>Issue:</b> 23 <b>Pages:</b> 8--13 <b>Published:</b> 2015  <b>DOI:</b> 10.5120/21863-5187</p>
23	<p><b>Title:</b> Reliable Filters for Impulse Noise Suppression: Methods Implementation and Experimental Analysis  <b>Source:</b> International Journal of Soft Computing and Engineering (IJSCE) <b>Published:</b> 2015</p>
24	<p><b>Title:</b> Robust Estimator Based Median Filter for Impulse Noise Suppression from Digital Images  <b>Source:</b> Asian Journal of Mathematics and Computer Research, International Knowledge</p>



	<p><b>Press Published:</b> 2015  <b>URL :</b> <a href="http://www.ikpress.org/abstract/3763">http://www.ikpress.org/abstract/3763</a></p>
25	<p><b>Title:</b> A Near Lossless Wavelet Based Image Compression  <b>Conference:</b> Second International Conference on Recent trends in Computer Science and Engineering (ICRTCSE-2014) <b>Year:</b> 2014  <b>Publisher:</b> APOLLO Engineering College Mevaloorukuppam, Poonamallee, Chennai, Tamil Nadu, India.</p>
26	<p><b>Title:</b> Novel Adaptive Filter (NAF) for Impulse Noise Suppression from Digital Images  <b>Author(s):</b> GeetaHanji; Latte M.V  <b>Source:</b> International Journal on Bioinformatics &amp; applications: Biosciences <b>Volume:</b> 4 <b>Issue:</b> 3/4 <b>Pages:</b> 1--12 <b>Published:</b> 2014  <b>DOI:</b> 10.5121/ijbb.2014.4401</p>
27	<p><b>Title:</b> ROI Image Compression Using 2D DDWT with JPEG2000 And SPIHT Algorithms  <b>Conference:</b> International Conference on Advanced Research in Engineering and Technology (ICARET-2014), <b>Year:</b> 2014</p>
28	<p><b>Title:</b> VLSI implementation of reduced resource allocation for modified carry look-ahead adder  <b>Author(s):</b> Bairu K. Saptalakar; Shrinivas K. Saptalakar; S. S. Navalagund; et al.  <b>Conference:</b> 2014 IEEE International Conference on Advanced Communications, Control and Computing Technologies <b>Year:</b> 2014  <b>DOI:</b> 10.1109/icaccct.2014.7019149</p>
29	<p><b>Title:</b> A performance-based features selection for automatic identification of bone X-ray images  <b>Author(s):</b> Mrityunjaya V. Latte; V. Kumar Swamy; Basavaraj S. Anami  <b>Source:</b> International Journal of Biomedical Engineering and Technology  <b>Volume:</b> 12 <b>Issue:</b> 3 <b>Pages:</b> 252 <b>Published:</b> 2013  <b>DOI:</b> 10.1504/ijbet.2013.057264</p>
30	<p><b>Title:</b> Impulse Noise Suppression and Edge Preservation of Digital Images Using Image Fusion  <b>Source:</b> International Journal of Computational Engineering Research (IJCER)  <b>Published:</b> 2013  <b>URL :</b> <a href="http://www.ijceronline.com/papers/Vol3_issue10/part%203/H03103049054.pdf">http://www.ijceronline.com/papers/Vol3_issue10/part%203/H03103049054.pdf</a></p>
31	<p><b>Title:</b> An Improved Nonlinear Decision Based Algorithm for Removal of Blotches and Impulses in Grayscale Images  <b>Author(s):</b> Geeta Hanji; M.V. Latte; N.M. Shweta  <b>Conference:</b> 2012 Second International Conference on Advanced Computing &amp; Communication Technologies <b>Year:</b> 2012  <b>DOI:</b> 10.1109/acct.2012.20</p>
32	<p><b>Title:</b> Detail Preserving Fast Median Based Filter  <b>Author(s):</b> Geeta Hanji; Mrityunjaya V Latte  <b>Source:</b> Journal of Advanced Computer Science &amp; Technology <b>Volume:</b> 1 <b>Issue:</b> 4 <b>Published:</b> 2012  <b>DOI:</b> 10.14419/jacst.v1i4.248</p>
33	<p><b>Title:</b> Experimental and Simulated Case Studies of Lamb wave Interactions with Structural flaws and Image Reconstruction for Structural Diagnostics  <b>Author(s):</b> Dushyantha N.D, Mrityunjaya V. Latte, Glenston Hadlee Miranda, Sayanu Pamidighantam</p>

	<b>Source:</b> International Journal of Soft Computing and Engineering (IJSC) <b>Volume:</b> 2 <b>Issue:</b> 3 <b>Published:</b> 2012
34	<b>Title:</b> Two Dimensional Spatial Fusion Technique for Imaging of Damages in Plates using Lamb waves <b>Author(s):</b> Dushyantha N.D, Mrityunjaya V. Latte, Sayanu Pamidighantam <b>Conference:</b> Third International Conference on Sensors and Related Networks (SENNET-12) <b>Volume:</b> 1 <b>Pages:</b> 206-209 <b>Year:</b> 2012 <b>DOI:</b> 10.13140/2.1.2101.8401
35	<b>Title:</b> Wavelet based compression with ROI coding for medical images <b>Conference:</b> International Conference on Advanced Engineering and Technology (ICAET) <b>Year:</b> 2012 <b>Publisher:</b> Perfect world wide with ISBN:978-81-925751-8-6.
36	<b>Title:</b> A Multiwavelet Based MRI Image Compression for Progressive Medical Image Processing <b>Conference:</b> National Conference on Signal Processing, Communications & VLSI Design NCSCV-11 <b>Year:</b> 2011 <b>Publisher:</b> Anna University of Technology, Coimbatore, Tamil Nadu.
37	<b>Title:</b> A new impulse noise detection and filtering algorithm <b>Author(s):</b> Geeta Hanji; Mrityunjaya V Latte <b>Source:</b> Image Processing and Communications Applications: <b>Volume:</b> 16 <b>Issue:</b> 1-2 <b>Published:</b> 2011 <b>DOI:</b> 10.2478/v10248-012-0004-4
38	<b>Title:</b> A Novel Approach Noise filtration for MRI Image Sample in Medical Image Processing <b>Source:</b> International Journal of Computer Science and Communication <b>Published:</b> 2011 <b>URL :</b> <a href="http://csjournals.com/IJCSC/PDF2-2/Article%2015.pdf">http://csjournals.com/IJCSC/PDF2-2/Article%2015.pdf</a>
39	<b>Title:</b> Adaptive Filtration for MRI Image Sample in Medical Image Processing <b>Conference:</b> International Conference on "Latest Trends in Nanoscience & Applications: Nanotechnology ICNSNT-2011 <b>Year:</b> 2011 <b>Publisher:</b> KBN college of Engineering Gulbarga
40	<b>Title:</b> Advanced video coding motion Estimation Algorithm <b>Source:</b> International journal of Image processing & Networking Techniques <b>Published:</b> 2011 <b>Publisher:</b> UPA publications
41	<b>Title:</b> Image Compression of MRI Image using Planar Coding <b>Author(s):</b> Lalitha Y; Mrityunjaya V. Latte <b>Source:</b> International Journal of Advanced Computer Science and Applications <b>Volume:</b> 2 <b>Issue:</b> 7 <b>Published:</b> 2011 <b>DOI:</b> 10.14569/ijacsa.2011.020705
42	<b>Title:</b> Medical Image Compression on a Multi ROI with Edge Feature Preserving <b>Conference:</b> International Journal of Computer Applications (IJCA) <b>Year:</b> 2011 <b>Publisher:</b> Foundation of Computer Science.
43	<b>Title:</b> Modified Spatial Filtration for MRI Image in Medical Image Processing <b>Conference:</b> Conference on Evolutionary Trends in Information Technology (CETIT-2011) <b>Year:</b> 2011 <b>Publisher:</b> PG Studies Jnana Sangama, VTU, Belgaum.
44	<b>Title:</b> Multimodal Biometric Person Authentication using Speech, Signature and Handwriting

	<p>Features</p> <p><b>Author(s):</b> Eshwarappa M N; Mrityunjaya V. Latte  <b>Source:</b> International Journal of Advanced Computer Science and Applications <b>Volume:</b> 1 <b>Issue:</b> 3 <b>Published:</b> 2011  <b>DOI:</b> 10.14569/specialissue.2011.010313</p>
45	<p><b>Title:</b> Offline Signature and Handwriting Verification using Dynamic Time Warping  <b>Conference:</b> International Conference on Emerging Trends in Engineering (ICETE-11)  <b>Year:</b> 2011  <b>Publisher:</b> NMAM Institute of Technology, Nitte.</p>
46	<p><b>Title:</b> ROI Based Encoding of Medical Images: An Effective Scheme Using Lifting Wavelets and SPIHT for Telemedicine  <b>Author(s):</b> T. M. P. Rajkumar; Mrityunjaya V Latte  <b>Source:</b> International Journal of Computer Theory and Engineering <b>Pages:</b> 338 -346  <b>Published:</b> 2011  <b>DOI:</b> 10.7763/ijcte.2011.v3.329</p>
47	<p><b>Title:</b> A Comparative Study of Impulse Noise Removal Filters from Digital Images  <b>Conference:</b> International conference on Communication, Computation, Control and Nanotechnology (ICN-2010)  <b>Year:</b> 2010  <b>Publisher:</b> REC, Bhalki, Bidar district, Karnataka</p>
48	<p><b>Title:</b> A new threshold-based median filtering technique for salt and pepper noise removal  <b>Author(s):</b> Geeta Hanji; Mrityunjaya V. Latte  <b>Conference:</b> Second International Conference on Digital Image Processing <b>Year:</b> 2010  <b>DOI:</b> 10.1117/12.856333</p>
49	<p><b>Title:</b> Bimodal Biometric Person Authentication System using Speech and Signature Features  <b>Source:</b> International Journal of Biometrics and Bioinformatics (IJBB) <b>Published:</b> 2010  <b>URL :</b> <a href="http://www.cscjournals.org/manuscript/Journals/IJBB/Volume4/Issue4/IJBB-64.pdf">http://www.cscjournals.org/manuscript/Journals/IJBB/Volume4/Issue4/IJBB-64.pdf</a></p>
50	<p><b>Title:</b> Biometric Person Authentication using Speech and Signature Information-WOCOR Features for Speech information and VPP-HPP-DCT Features with DTW technique for Signature recognition  <b>Conference:</b> National Conference on Emerging Trends in Engineering (PGFEST-10)  <b>Year:</b> 2010  <b>Publisher:</b> NMAM Institute of Technology, Nitte</p>
51	<p><b>Title:</b> Handwriting Recognition System using Dynamic Time Warping Technique  <b>Conference:</b> National Conference on Convergence of Signal Processing, Communication and VLSI Design (NCSCV-10)  <b>Year:</b> 2010  <b>Publisher:</b> SDM College of Engineering &amp; Technology, Dharwad, Karnataka.</p>
52	<p><b>Title:</b> Image Compression using different Wavelet Transforms  <b>Conference:</b> National Conference on Recent Trends in Electronics &amp; Communication <b>Year:</b> 2010  <b>Publisher:</b> SJB Institute of Technology, Bangalore.</p>
53	<p><b>Title:</b> Issues in Multimodal Biometric Person Authentication System  <b>Conference:</b> International Conference on Communications, Computation, Control and Nanotechnology (ICN2010) <b>Year:</b> 2010  <b>Publisher:</b> REC-Bhalki, Bidar, Karnataka.</p>
54	<p><b>Title:</b> Lossless and Lossy Compression of DICOM Images with Scalable ROI  <b>Conference:</b> National conference on NCSCV-10 <b>Year:</b> 2010</p>

	<b>Publisher:</b> SDM College of Engineering & Technology, Dharwad Karnataka
55	<b>Title:</b> Lossless and Lossy Compression of DICOM Images with Scalable ROI <b>Source:</b> International Journal of Computer Science and Network Security <b>Published:</b> 2010 <b>URL :</b> <a href="http://www.ugcfrp.ac.in/images/userfiles/36706-IJCSNS.pdf">http://www.ugcfrp.ac.in/images/userfiles/36706-IJCSNS.pdf</a>
56	<b>Title:</b> Minimization of Quantization Error for Randomized Signal <b>Conference:</b> International Conference conducted by IICA <b>Year:</b> 2010 <b>Publisher:</b> IICA, Bhubaneswara, Orissa
57	<b>Title:</b> Biometric Person Authentication using Speech and Signature Information-MFCC Features for Speech information and VPP-HPP-DCT Features for Signature Information <b>Conference:</b> National Conference on Communication, Signal Processing and VLSI Design (RASCON-09) <b>Year:</b> 2009 <b>Publisher:</b> RSET-Kakkanad, Kochi.
58	<b>Title:</b> Digital filter for cochlear implant implemented on a field-programmable gate array <b>Source:</b> Proceedings of world academy of science, engineering and technology <b>Published:</b> 2008 <b>URL:</b> <a href="http://www.waset.org/publications/4946">http://www.waset.org/publications/4946</a>
59	<b>Title:</b> Issues in the Design of Equiripple FIR Higher Order Digital Differentiators using Weighted Least Squares Technique <b>Author(s):</b> V.V. Sondur; V.B. Sondur; D.H. Rao; Mrityunjaya V Latte, et al. <b>Conference:</b> 2007 IEEE International Conference on Signal Processing and Communications <b>Year:</b> 2007 <b>DOI:</b> 10.1109/icspc.2007.4728287
60	<b>Title:</b> Reduced memory listless speck image compression <b>Author(s):</b> Mrityunjaya V. Latte; Narasimha H. Ayachit; D.K. Deshpande <b>Source:</b> Digital Signal Processing <b>Volume:</b> 16 <b>Issue:</b> 6 <b>Pages:</b> 817--824 <b>Published:</b> 2006 <b>Times Cited:</b> 12 <b>DOI:</b> 10.1016/j.dsp.2006.06.001
61	<b>Title:</b> Effective teaching: strategies, methods, techniques and actions plans <b>Source:</b> Teaching and Techniques in Technical Education New Delhi, Anmol, 2005, xvi, 297 pp., ISBN 81-261-2290-0. <b>Published:</b> 2005 <b>Publisher:</b> Teaching and Techniques in Technical Education New Delhi.
62	<b>Title:</b> Writing Research Papers <b>Source:</b> Teaching and Techniques in Technical Education New Delhi, Anmol, 2005, xvi, 297 p., ISBN 81-261-2290-0. <b>Published:</b> 2005 <b>Publisher:</b> Teaching and Techniques in Technical Education New Delhi.
63	<b>Title:</b> Application of Weighted Least-Squares Technique for Designing Equiripple FIR Higher Order Digital Differentiators <b>Source:</b> Institution of Engineers (India) journal, vol. 85,pp. 29-33 <b>Published:</b> 2004
64	<b>Title:</b> Measurement of percentage Haemoglobin in Blood: A Simple Approach <b>Conference:</b> National Symposium on Instrumentation (NSI-22) held at National Physical Laboratory, New Delhi <b>Year:</b> 1997 <b>Publisher:</b> National Physical Laboratory, New Delhi
65	<b>Title:</b> Impulse Noise Removal from Highly Corrupted Images <b>Conference:</b> International Conference on Communication, Control and Nanotechnology (ICN-2010) <b>Publisher:</b> REC Bhalki, Karnataka

66	<p><b>Title:</b> Performance Evolution of various Wavelet Families in Spiht Image Compression Technique</p> <p><b>Source:</b> European Journal of Scientific Research</p> <p><b>URL :</b> <a href="http://connection.ebscohost.com/c/articles/70237204/performance-evolution-various-wavelet-families-spiht-image-compression-technique">http://connection.ebscohost.com/c/articles/70237204/performance-evolution-various-wavelet-families-spiht-image-compression-technique</a></p>
67	<p><b>Title:</b> Robust System for Speaker Recognition-MFCC and WOCOR features with GMM and VQ Modelling for Speech</p> <p><b>Conference:</b> National Conference on Recent Trends in Electronics and Communication (NCRTEC-2010)</p> <p><b>Publisher:</b> SJBIT-Bangalore</p>
68	<p><b>Title:</b> Wavelet-Based Compression of Medical Images</p> <p><b>Conference:</b> International conference on Communication, Computation, Control and Nanotechnology (ICN-2010)</p> <p><b>Publisher:</b> REC Bhalki,</p>

### Conferences/Courses attended:

1. Attended an International Conference on "Fibre optics and Photonics: PHOTONICS'96" held at Indian Institute of Technology, Madras, on 9<sup>th</sup> -13<sup>th</sup> Dec. 1996.
2. Attended Training course "TRAIN THE TRAINER" workshop on "Digital Signal Processor DSP563xx family" organized by MOTOROLA India Ltd., from 18<sup>th</sup> – 22<sup>nd</sup> Oct. 2000.
3. Attended Two-Day seminar on "Current Trends in Communication" conducted by P.E.S. Institute of Technology, Bangalore, on 23<sup>rd</sup> –24<sup>th</sup> July 2001.
4. Attended one-Day workshop on "Processor Architecture & Embedded Control System Design" held at S.D.M. College of Engg. & Tech. Dharwad, on 18<sup>th</sup> May 2002.
5. Attended one-Day workshop on "National Board of Accreditation (NBA) process" held at S. D. M. College of Engg. & Tech. Dharwad, on 05-10-2001.
6. Attended two day workshop on "Creation of Research facility in Institutions" held at NITK, Suratkal, on 19<sup>th</sup> and 20<sup>th</sup> January 2006.
7. Attended three day programme on "Blue print for success" conducted by Sri Shiva khara at MSRIT, Bangalore, on 27<sup>th</sup>, 28<sup>th</sup> and 29<sup>th</sup> December 2006.

8. Attended five day “Management Capacity Building Programme” conducted by ISQT, Bangalore, from 10<sup>th</sup> to 14<sup>th</sup> February 2007.

List of M.Tech. (Digital Electronics) projects Guided:

1. Cryptographic Synchronization in the presence of High Bit Error rate.
2. EEG Analysis Through Fourier Transforms.
3. GPS based altitude determination of LEOSAT using ADSP-21062.
4. Design and Development of 1553B Manchester Encoder/Decoder as an ASIC.
5. Wavelet Transform based image compression using SPIHT Algorithm.
6. Data Compression Algorithm Based on Wavelet Transform & JPEG.
7. Data Acquisition & Retrieval using X-modem Protocol
8. Four level FSK modulator.
9. High level Software Power Estimation Techniques.
10. Reduced memory listless SPECK image compression.
11. PCM – ADM Transcoding using TMS320C6201 Processor.

Membership to Professional Bodies: M.I.E., MIETE, LM MISTE

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