

## **RESUME**



Name : **DR. MRITYUNJAYA V. LATTE**

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

Place of Birth : Dharwad, Karnataka

Academic Qualifications : a. Ph.D. (Electronics & Communication Engg.) in 2004  
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 India.

❖ **POSITION:** : Principal, JSS Academy of Technical Education,  
Bangalore-560060 Karnataka India  
since 22<sup>nd</sup> January 2010

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Principal  
JSS Academy of Technical Education,  
Dr. Vishnuvardhan Road, Uttarahalli – Kengeri Main Road  
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Residence : No. 32/3 (Old No. 493), "MANOMAY CITADELLE",  
8<sup>th</sup> Cross, Jayanagar 7<sup>th</sup> Block, West of Kanakapura Road,  
Bengaluru 560070 Karnataka India

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

❖ **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 the set goals.
- Excelled in teaching, Research, Governing, Managing and up-bringing of Engineering Electronics in the colleges served.
- 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:**

- Total experience: 31 years
- Completed B.E., and M.E., at SDM College of Engineering & Technology, Dharwad 580 002 Karnataka India.
- Worked as Controller of Examinations, Jain University, Bangalore and Professor in Electronics & Communication Engg. From 04-08-2008 to 21-01-2010.
- Professor and Head of Electronics & Communication Engineering Department from 01-04-2005 after getting regular promotions from the post of Lecturer and Assistant Professor.
  - Worked in S D M College of Engg. & Tech., Dharwad Karnataka from 03-09-1994 to 02-08-2008
- Worked as Lecturer in S T J Institute of Technology, Ranebennur from 17-08-1987 to 02-09-1994

❖ **Research:**

- Successfully guided nine Ph.D. candidates till now, who are awarded degree from Visvesvaraya Technological University (VTU), Belagavi and Jawaharlal Technological University (JNTU), Hyderabad.  
Three 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.

❖ **Publications Link:**

- Researcher ID: <http://www.researcherid.com/rid/G-8377-2017>
- Publon: <https://publons.com/researcher/1672383/mrityunjaya-v-latte/>
- ORCID: <https://orcid.org/0000-0002-9624-0556>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=15069553400>
- Google Scholar: <https://scholar.google.co.in/citations?user=0Gh6DnoAAAAJ&hl=en>

❖ **Projects:**

- “Real Time diagnosing cancer in colonography Images using Deep Learning Algorithms”, Sanctioned from Karnataka Council For Technological Upgradation (KCTU), A Joint venture of Govt. of India & Govt. of Karnataka,

**Government Order No.:**

**1. No. KCTU / R & D/ JSS-Colon/ 08/2018-19 dtd. 15-09-2018**

**2. No. CI / 151 / SPI /2013 (P1) Bangalore dtd. 20-09-2013**

Amount Sanctioned: 16.85 Lakhs,

Duration: Two years

Principal Co-Investigator

❖ **Details of Ph.D's awarded:**

a. Dr. Sangeeta K Siri

Title of Thesis: “Study and Analysis of segmentation algorithms for Liver Images”

USN: 5VX13PEN110

Visvesvaraya Technological University, Belagavi

Degree Award: January 2019

b. Dr. Shetty Pramodkumar

Title of Thesis: “Study and Analysis of segmentation algorithms for Lung Images”

USN: 5VX13PEN74

Visvesvaraya Technological University, Belagavi

Degree Award: January 2019

c. Sri. Siddalingesh S Navalgund

Title of Thesis: “Manual Routing in FPGAs for DSP Implementation”

USN: 2SD06PEM03

Visvesvaraya Technological University, Belagavi

Thesis Submitted

- d. Dr. T M P Rajkumar  
Title of Thesis: "Super Imposed Diamond search based wavelet CODEC for  
Extraction Of redundancy in Image"  
USN: 0703PH0822  
Jawaharlal Nehru Technological University, Hyderabad  
Degree Award: January 2018
- e. 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
- f. 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
- g. Dr. Geeta Hanji  
Title of Thesis "Study and Design of Nonlinear Filters for Image Processing  
and its Applications"  
USN: 0703PH0849  
Jawaharlal Nehru Technological University, Hyderabad,  
Degree Award: 2016
- h. Dr. Lalitha Y S  
Title of Thesis: "Wavelets for Medical Image Compression"  
USN: 2SD06PEN02  
Visvesvaraya Technological University, Belagavi  
Degree Award: April 2013.
- i. Dr. M N Eswarappa  
Title of Thesis: "Multimodal Biometric Person Authentication System"  
USN: 2SD06PEN01  
Visvesvaraya Technological University, Belagavi,  
Degree Award: April 2013.

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

❖ **Details of Publications:**

1.	<p><b>Title:</b> <a href="#">A Novel Approach to Extract Exact Liver Image Boundary from Abdominal CT Scan using Neutrosophic Set and Fast Marching Method</a></p> <p><b>Author(s):</b> Sangeeta K. Siri; Mrityunjaya V. Latte</p> <p><b>Source:</b> Journal of Intelligent Systems De Grytur</p> <p><b>Volume:</b> Yet to print <b>Issue:</b> Yet to print</p> <p><b>Accepted for Publication:</b> 2017</p> <p><b>DOI:</b> <a href="https://doi.org/10.1515/jisys-2017-0144">https://doi.org/10.1515/jisys-2017-0144</a></p>
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2	<p><b>Title:</b> Universal Liver Extraction Algorithm: An Improved Chan–Vese Model  <b>Authors:</b> Sangeeta K Siri; Mrityunjaya V Latte  <b>Source:</b> Journal of Intelligent Systems, De Grytur  Volume: Yet to print, Issue: Yet to print  <b>Accepted for publication: 2017</b>  <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, De Grytur  Volume: Yet to print, Issue: Yet to print  <b>Accepted for publication: 2017</b>  <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> IETE Journal of Research, Taylor &amp; Francis,  Volume: Yet to print, Issue: Yet to print  <b>Accepted for publication: 2018</b>  <b>DOI:</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  <b>Volume:</b> 151, <b>Pages:</b> 101-109,  <b>Published:</b> 2017  <b>DOI:</b> <a href="http://10.1016/j.cmpb.2017.08.020">http://10.1016/j.cmpb.2017.08.020</a></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>Accepted for publication: 2017</b>  <b>DOI:</b> <a href="http://10.1515/jisys-2017-0020">http://10.1515/jisys-2017-0020</a></p>
7	<p><b>Title:</b> Behavior of Certain Wavelets in Classification of Orthopaedic Images of Different Modalities  <b>Author(s):</b> Mrityunjaya V. Latte; Kumar Swamy. V; B. S. Anami  <b>Source:</b> International Journal of Signal Processing, Image Processing and Pattern</p>

	<p>Recognition  <b>Volume: 9, Issue: 12, Pages: 185-198, Published: 2016</b>  <b>DOI: <a href="http://10.14257/ijcip.2016.9.12.18">http://10.14257/ijcip.2016.9.12.18</a></b></p>
8	<p><b>Title: <a href="#">Detection and localization of damage using empirical mode decomposition And multilevel support vector machine</a></b>  <b>Author(s):</b> N. D. Dushyanth; M. N. Suma; Mrityanjaya V. Latte  <b>Source:</b> Journal of Applied Physics  <b>Volume: 122, Issue: 3, Published: 2016</b>  <b>DOI: <a href="http://10.1007/s00339-016-9753-z">http://10.1007/s00339-016-9753-z</a></b></p>
9	<p><b>Title: <a href="#">Multiple nutrient deficiency detection in paddy leaf images using color and Pattern analysis</a></b>  <b>Author(s):</b> Mrityunjaya V Latte; Sushila Shidnal  <b>Conference:</b> International Conference on Communication and Signal Processing (ICCSP)  <b>Year: 2016</b>  <b>DOI: <a href="http://10.1109/iccsp.2016.7754352">http://10.1109/iccsp.2016.7754352</a></b></p>
10	<p><b>Title: <a href="#">Optimized mathematical model for cell receivers running in spatially problematic multipath channels for wireless systems in smart antennas</a></b>  <b>Author(s):</b> H. C. Hadimani; Mrityunjaya V. Latte; P. H. S. Tejomurthy; et al.  <b>Conference:</b> International Conference on Emerging Trends in Engineering, Technology and Science (ICETETS)  <b>Year: 2016</b>  <b>DOI: <a href="http://10.1109/icetets.2016.7603049">http://10.1109/icetets.2016.7603049</a></b></p>
11	<p><b>Title: <a href="#">A Combined Color and Texture Features Based Methodology for Recognition of Crop Field Image</a></b>  <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: 8, Issue: 2, Pages: 287-302, Published: 2015</b>  <b>DOI: <a href="http://10.14257/ijcip.2015.8.2.28">http://10.14257/ijcip.2015.8.2.28</a></b></p>
12	<p><b>Title: <a href="#">A Combined HSV and GLCM Approach for Paddy Variety Identification from Crop Images</a></b>  <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: 8, Issue: 10, Pages: 221-232, Published: 2015</b>  <b>DOI: <a href="http://10.14257/ijcip.2015.8.10.24">http://10.14257/ijcip.2015.8.10.24</a></b></p>



13	<p><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 &amp; Technology <b>Volume:</b> 4, <b>Issue:</b> 1, <b>Pages:</b> 43-48, <b>Published:</b> 2015  <b>DOI:</b> <a href="http://10.14419/jacst.v4i1.3979">http://10.14419/jacst.v4i1.3979</a></p>
14	<p><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> <a href="http://10.5120/20070-1989">http://10.5120/20070-1989</a></p>
15	<p><b>Title:</b> Adaptive Thresholding Based Medical Image Compression Technique Using Haar Wavelet Based Listless SPECK Encoder and Artificial Neural Network  <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> <a href="http://10.1166/jmihi.2015.1386">http://10.1166/jmihi.2015.1386</a></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> <a href="http://10.21917/ijivp.2015.0167">http://10.21917/ijivp.2015.0167</a></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>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> <a href="http://10.1007/s13349-015-0142-7">http://10.1007/s13349-015-0142-7</a></p>

19	<p><b>Title:</b> Novel Fuzzy Filters for Noise Suppression from Digital Grey and Color Images</p> <p><b>Author(s):</b> GeetaHanji; Basaveshwari C.; M.V. Latte</p> <p><b>Source:</b> International Journal of Computer Applications</p> <p><b>Volume:</b> 125, <b>Issue:</b> 15, <b>Pages:</b> 29-37</p> <p><b>Published:</b> 2015</p> <p><b>DOI:</b> <a href="http://10.5120/ijca2015906236">http://10.5120/ijca2015906236</a></p>
20	<p><b>Title:</b> Novel superimposed diamond search algorithm for medical image compression</p> <p><b>Author(s):</b> T.M.P. Rajkumar; Mrityunjaya V. Latte</p> <p><b>Source:</b> International Journal of Computer Applications in Technology</p> <p><b>Volume:</b> 51, <b>Issue:</b> 3, <b>Pages:</b> 185,</p> <p><b>Published:</b> 2015</p> <p><b>DOI:</b> <a href="http://10.1504/ijcat.2015.069332">http://10.1504/ijcat.2015.069332</a></p>
21	<p><b>Title:</b> Performance Analysis of Novel Median Filter for Noise Suppression from Digital Images</p> <p><b>Source:</b> International Journal of Computer Applications (IJCA)</p> <p><b>Published:</b> 2015</p> <p><b>DOI:</b> <a href="http://10.5120/21863-5187">http://10.5120/21863-5187</a></p>
22	<p><b>Title:</b> Performance Study of Novel Median Filter for Image De-Noising</p> <p><b>Author(s):</b> Geeta Hanji; M.V.Latte</p> <p><b>Source:</b> International Journal of Computer Applications</p> <p><b>Volume:</b> 122, <b>Issue:</b> 23, <b>Pages:</b> 8-13</p> <p><b>Published:</b> 2015</p> <p><b>DOI:</b> <a href="http://10.5120/21863-5187">http://10.5120/21863-5187</a></p>
23	<p><b>Title:</b> Reliable Filters for Impulse Noise Suppression: Methods Implementation and Experimental Analysis</p> <p><b>Source:</b> International Journal of Soft Computing and Engineering (IJSCE)</p> <p><b>Published:</b> 2015</p>
24	<p><b>Title:</b> Robust Estimator Based Median Filter for Impulse Noise Suppression from Digital Images</p> <p><b>Source:</b> Asian Journal of Mathematics and Computer Research, International Knowledge Press</p> <p><b>Published:</b> 2015</p> <p><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 href="#">A Near Lossless Wavelet Based Image Compression</a>  <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 Mevalookuppam, Poonamallee, Chennai, Tamil Nadu, India.</p>
26	<p><b>Title:</b> <a href="#">Novel Adaptive Filter (NAF) for Impulse Noise Suppression from Digital Images</a>  <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> <a href="http://10.5121/ijbb.2014.4401">http://10.5121/ijbb.2014.4401</a></p>
27	<p><b>Title:</b> <a href="#">ROI Image Compression Using 2D DDWT with JPEG2000 And SPIHT Algorithms</a>  <b>Conference:</b> International Conference on Advanced Research in Engineering and Technology (ICARET-2014)  <b>Year:</b> 2014</p>
28	<p><b>Title:</b> <a href="#">VLSI implementation of reduced resource allocation for modified carry look-ahead adder</a>  <b>Author(s):</b> Bairu K. Saptalakar; Shrinivas K. Saptalakar; S. S. Navalagund; et al.  <b>Conference:</b> IEEE International Conference on Advanced Communications, Control and Computing Technologies  <b>Year:</b> 2014  <b>DOI:</b> <a href="http://10.1109/icaccct.2014.7019149">http://10.1109/icaccct.2014.7019149</a></p>
29	<p><b>Title:</b> <a href="#">A performance-based features selection for automatic identification of bone X-ray images</a>  <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> 252-259,  <b>Published:</b> 2013  <b>DOI:</b> <a href="http://10.1504/ijbet.2013.057264">http://10.1504/ijbet.2013.057264</a></p>
30	<p><b>Title:</b> <a href="#">Impulse Noise Suppression and Edge Preservation of Digital Images Using Image Fusion</a>  <b>Source:</b> International Journal of Computational Engineering Research (IJCER)  <b>Published:</b> 2013  <b>URL</b>  <b>:</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> <a href="#">An Improved Nonlinear Decision Based Algorithm for Removal of Blotches and Impulses in Grayscale Images</a>  <b>Author(s):</b> Geeta Hanji; M.V. Latte; N.M. Shweta  <b>Conference:</b> Second International Conference on Advanced Computing &amp; Applications Communication Technologies  <b>Year:</b> 2012  <b>DOI:</b> <a href="http://10.1109/acct.2012.20">http://10.1109/acct.2012.20</a></p>
32	<p><b>Title:</b> <a href="#">Detail Preserving Fast Median Based Filter</a>  <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> <a href="http://10.14419/jacst.v1i4.248">http://10.14419/jacst.v1i4.248</a></p>
33	<p><b>Title:</b> <a href="#">Experimental and Simulated Case Studies of Lamb wave Interactions with Structural flaws and Image Reconstruction for Structural Diagnostics</a>  <b>Author(s):</b> Dushyantha N.D, Mrityunjaya V. Latte, Glenston Hadlee Miranda, Sayanu Pamidighantam  <b>Source:</b> International Journal of Soft Computing and Engineering (IJSCE)  <b>Volume:</b> 2, <b>Issue:</b> 3, <b>Published:</b> 2012</p>
34	<p><b>Title:</b> <a href="#">Two Dimensional Spatial Fusion Technique for Imaging of Damages in Plates using Lamb waves</a>  <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> <a href="http://10.13140/2.1.2101.8401">http://10.13140/2.1.2101.8401</a></p>
35	<p><b>Title:</b> <a href="#">Wavelet based compression with ROI coding for medical images</a>  <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.</p>
36	<p><b>Title:</b> <a href="#">A Multiwavelet Based MRI Image Compression for Progressive Medical Image Processing</a>  <b>Conference:</b> National Conference on Signal Processing, Communications &amp; VLSI Design NCSCV-11  <b>Year:</b> 2011  <b>Publisher:</b> Anna University of Technology, Coimbatore, Tamil Nadu</p>

37	<p><b>Title:</b> <a href="#">A new impulse noise detection and filtering algorithm</a>  <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> <a href="http://10.2478/v10248-012-0004-4">http://10.2478/v10248-012-0004-4</a></p>
38	<p><b>Title:</b> <a href="#">A Novel Approach Noise filtration for MRI Image Sample in Medical Image Processing</a>  <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></p>
39	<p><b>Title:</b> <a href="#">Adaptive Filtration for MRI Image Sample in Medical Image Processing</a>  <b>Conference:</b> International Conference on “Latest Trends in Nanoscience &amp; Applications: Nanotechnology ICNSNT-2011  <b>Year:</b> 2011  <b>Publisher:</b> KBN college of Engineering Gulbarga</p>
40	<p><b>Title:</b> <a href="#">Advanced video coding motion Estimation Algorithm</a>  <b>Source:</b> International journal of Image processing &amp; Networking Techniques  <b>Published:</b> 2011  <b>Publisher:</b> UPA publications</p>
41	<p><b>Title:</b> <a href="#">Image Compression of MRI Image using Planar Coding</a>  <b>Author(s):</b> Lalitha Y S; 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> <a href="http://10.14569/ijacsa.2011.020705">http://10.14569/ijacsa.2011.020705</a></p>
42	<p><b>Title:</b> <a href="#">Medical Image Compression on a Multi ROI with Edge Feature Preserving</a>  <b>Conference:</b> International Journal of Computer Applications (IJCA)  <b>Year:</b> 2011  <b>Publisher:</b> Foundation of Computer Science.</p>
43	<p><b>Title:</b> <a href="#">Modified Spatial Filtration for MRI Image in Medical Image Processing</a>  <b>Conference:</b> Conference on Evolutionary Trends in Information Technology (CETIT-2011)  <b>Year:</b> 2011  <b>Publisher:</b> Post Graduate Studies, Jnana Sangama, VTU, Belagavi.</p>

44	<p><b>Title:</b> Multimodal Biometric Person Authentication using Speech, Signature and Handwriting Features  <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> <a href="http://10.14569/specialissue.2011.010313">http://10.14569/specialissue.2011.010313</a></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, Karnataka India</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> <a href="http://10.7763/ijcte.2011.v3.329">http://10.7763/ijcte.2011.v3.329</a></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> Rural Engineering College, Bhalki, Bidar Dt., Karnataka India</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> <a href="http://10.1117/12.856333">http://10.1117/12.856333</a></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</p> <p><b>Conference:</b> National Conference on Emerging Trends in Engineering (PGFEST-10)</p> <p><b>Year:</b> 2010</p> <p><b>Publisher:</b> NMAM Institute of Technology, Nitte</p>
51	<p><b>Title:</b> Handwriting Recognition System using Dynamic Time Warping Technique</p> <p><b>Conference:</b> National Conference on Convergence of Signal Processing, Communication and VLSI Design (NCSCV-10)</p> <p><b>Year:</b> 2010</p> <p><b>Publisher:</b> SDM College of Engineering &amp; Technology, Dharwad, Karnataka</p>
52	<p><b>Title:</b> Image Compression using different Wavelet Transforms</p> <p><b>Conference:</b> National Conference on Recent Trends in Electronics &amp; applications; Communication</p> <p><b>Year:</b> 2010</p> <p><b>Publisher:</b> SJB Institute of Technology, Bangalore</p>
53	<p><b>Title:</b> Issues in Multimodal Biometric Person Authentication System</p> <p><b>Conference:</b> International Conference on Communications, Computation, Control and Nanotechnology (ICN2010)</p> <p><b>Year:</b> 2010</p> <p><b>Publisher:</b> Rural Engineering College, Bhalki, Bidar Dt, Karnataka India</p>
54	<p><b>Title:</b> Lossless and Lossy Compression of DICOM Images with Scalable ROI</p> <p><b>Conference:</b> National conference on NCSCV-10</p> <p><b>Year:</b> 2010</p> <p><b>Publisher:</b> SDM College of Engineering &amp; Technology, Dharwad Karnataka</p>
55	<p><b>Title:</b> Lossless and Lossy Compression of DICOM Images with Scalable ROI</p> <p><b>Source:</b> International Journal of Computer Science and Network Security</p> <p><b>Published:</b> 2010</p> <p><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></p>
56	<p><b>Title:</b> Minimization of Quantization Error for Randomized Signal</p> <p><b>Conference:</b> International Conference conducted by IICA <b>Year:</b> 2010</p> <p><b>Publisher:</b> IICA, Bhubaneswara, Orissa</p>

57	<p><b>Title:</b> Biometric Person Authentication using Speech and Signature Information- MFCC Features for Speech information and VPP-HPP-DCT Features for Signature Information</p> <p><b>Conference:</b> National Conference on Communication, Signal Processing and VLSI Design (RASCON-09)</p> <p><b>Year:</b> 2009</p> <p><b>Publisher:</b> Rajagiri School Of Engineering &amp; Technology, Kakkanad, Kochi.</p>
58	<p><b>Title:</b> Digital filter for cochlear implant implemented on a field-programmable gate array</p> <p><b>Source:</b> Proceedings of world academy of Science, Engineering and Technology</p> <p><b>Published:</b> 2008</p> <p><b>URL:</b> <a href="http://www.waset.org/publications/4946">http://www.waset.org/publications/4946</a></p>
59	<p><b>Title:</b> Issues in the Design of Equiripple FIR Higher Order Digital Differentiators using Weighted Least Squares Technique</p> <p><b>Author(s):</b> V.V. Sondur; V.B. Sondur; D.H. Rao; Mrityunjaya V Latte, et al.</p> <p><b>Conference:</b> IEEE International Conference on Signal Processing and Communications held at Dubai.</p> <p><b>Year:</b> 2007</p> <p><b>DOI:</b> <a href="http://10.1109/icspc.2007.4728287">http://10.1109/icspc.2007.4728287</a></p>
60	<p><b>Title:</b> Reduced memory listless speck image compression</p> <p><b>Author(s):</b> Mrityunjaya V. Latte; Narasimha H. Ayachit; D.K. Deshpande</p> <p><b>Source:</b> Digital Signal Processing, Elsevier Science</p> <p><b>Volume:</b> 16 <b>Issue:</b> 6 <b>Pages:</b> 817-824</p> <p><b>Published:</b> 2006 <b>Times Cited:</b> 16</p> <p><b>DOI:</b> <a href="http://10.1016/j.dsp.2006.06.001">http://10.1016/j.dsp.2006.06.001</a></p>
61	<p><b>Title:</b> Effective teaching: strategies, methods, techniques and actions plans</p> <p><b>Source:</b> Teaching and Techniques in Technical Education New Delhi, Anmol, 2005, xvi, 297 pp., ISBN 81-261-2290-0.</p> <p><b>Published:</b> 2005</p> <p><b>Publisher:</b> Teaching and Techniques in Technical Education New Delhi.</p>
62	<p><b>Title:</b> Writing Research Papers</p> <p><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</p> <p><b>Publisher:</b> Teaching and Techniques in Technical Education New Delhi.</p>



63	<p><b>Title:</b> Application of Weighted Least-Squares Technique for Designing Equiripple FIR Higher Order Digital Differentiators</p> <p><b>Source:</b> Institution of Engineers (India) journal, Volume: 85, pp. 29-33,</p> <p><b>Published:</b> 2004</p>
64	<p><b>Title:</b> Measurement of percentage Haemoglobin in Blood: A Simple Approach</p> <p><b>Conference:</b> National Symposium on Instrumentation (NSI-22) held at National Physical Laboratory, New Delhi</p> <p><b>Year:</b> 1997</p> <p><b>Publisher:</b> National Physical Laboratory, New Delhi</p>
65	<p><b>Title:</b> Impulse Noise Removal from Highly Corrupted Images</p> <p><b>Conference:</b> International Conference on Communication, Control and Nanotechnology (ICN-2010)</p> <p><b>Publisher:</b> Rural Engineering College, Bhalki, Karnataka India</p>
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> Sri Jagadguru Balagangadharanath Institute of Technology, 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> Rural Engineering College, Bhalki, Karnataka India</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 khera 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:**

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

❖ **Membership to Professional Bodies:**

- M.I.E., MIETE., LM MISTE.,

**Dr. Mrityunjaya V Latte**  
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