



Dr.P.Ramana Reddy

M.E. Ph.D

Professor & Head,

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Bio-data

Name : Dr.P.Ramana Reddy

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Nationality : Indian

Religion :Hindu

Educational Qualifications:

S. No.	Qualification	University/Institution	Specialization	Year of award
1.	Ph. D	JNTU Anantapur	Image Processing	2010
2.	M.E	Dr.BAMUniversity, Maharashtra.	Electronics	1994
3.	AMIE	Institute of Electronics (India)	Electronics & Communication Engineering	1990

Professional Experience:

S.No.	Institution/Organization	Position held	Duration
1	JNTUA College of Engineering, Anantapur	Professor Department of ECE	2013-Till date
2	JNTUA College of Engineering, Anantapur	Associate Professor Department of ECE	2008-2013
4	JNTU College of Engineering, Anantapur	Assistant Professor Department of ECE	2003–2008

Administrative Experience:

- ❖ Deputy Warden of Hostel from November 2004 – December 2006
- ❖ Head of the Department in JNTUACEA From March 2011 – March 2013 & April 2018 to till date.
- ❖ Head of ECE & Vice-Principal, JNTUA CEK From October 2014 – September 2015
- ❖ NSS Co-Ordinator, JNT University, Anantapur From August 2009 – June 2011

Other Responsibilities:

- ❖ Faculty Advisor, ECHO From 2009 - 2011
- ❖ BOS Chair Person for EIE JNTUA from 2013 - 2019
- ❖ Research Advisory Board Chair Person From 2016 - 2019
- ❖ Member Research Review Meetings From 2011 - 2019

Teaching Experience: **25+** yearsof teaching UG & PG Courses

Subjects Taught:

Undergraduate courses	Post graduate courses
<ul style="list-style-type: none">❖ Electronic Devices and Circuits❖ Semiconductor Devices & Circuits❖ Electronics Circuits❖ Signals & Systems❖ Network Theory❖ Integrated Circuits❖ Electronic Measurements & Instrumentation❖ VLSI Design❖ Communication Theory❖ Communication Engineering❖ Digital Signal Processing❖ Cellular & Mobile Communications❖ Digital Image Processing❖ Pulse & Digital Circuits	<ul style="list-style-type: none">❖ Digital Image Processing❖ Advanced Digital Signal Processing❖ VLSI Technology & Design❖ Data Communications❖ Transform Techniques❖ Speech Processing

- ❖ In addition, the laboratories of UG and PG programs in the areas of Electronics and Computers have been dealt with.

Number of Research publications:

International Journals	:	72
International Conferences	:	33
National Conferences	:	11

Performance Indices of Publications:

Total Citations	:	181
h - Index	:	6
i10 - Index	:	3

List of publications:

Journal Papers:

1. P.Ramana Reddy, Munaga.V.N.K Prasad and D.Sreenivasa Rao, “Robust Digital Watermarking of Color Images under noise attacks”, International Journal of Recent Trends in Engineering, Vol.1, No 1, May, 2009, PP. 334-338
2. Ch.Ramesh, P.Ramana Reddy, M.V.N.K Prasad and D.Srinivasa Rao, “ 2-D Image Compression using MSPIHT with a goal of minimizing MSE and classification distortion”, GITAM Journal of Information and Communication Technology, Vol.1, No 1, July – December 2008, PP.42-49
3. J.Vishnu, P.Ramana Reddy, M.V.N.K Prasad and D.Srinivasa Rao, “ 2-D Image Compression using MSPIHT with a goal of minimizing MSE and classification distortion”, GITAM Journal of Information and Communication Technology, Vol.1, No 1, July – December 2008, PP.56-59

4. P.Ramana Reddy, Munaga V.N.K Prasad and D.Sreenivasa Rao, "Digital Image Watermarking using SPHIT", International Journal of Recent Trends in Engineering
5. P.Ramana Reddy, "Robust Digital Watermarking Of Color Images Against Cropping & Rotation Attacks", published in International Journal of Computer Engineering & Technology (IJCEIT)
6. P.Ramana Reddy and Ch.Deepak, "Robust Phase Watermarking Using Complex Hadamard Transform", Published in Jan 2010 Issue of International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-ETA-ETS), Vol.3, Issue1
7. P.Ramana Reddy and Ms.M.Jansi, "Performance Analysis of Color Transforms For Image Coding " Published in Jan 2010 Issue of International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-ETA-ETS), Vol.3, Issue1
8. S.Raghavendra Prasad and Dr P.Ramana Reddy, "An Improved Face Recognition Using Neighborhood Defined Modular Phase Congruency Based Kernel PCA", Published in International Journal of Electronic Signals and Systems (IJESS), ISSN No: 2231-5969, Vol – I, Issue – 2,2012, PP: 43 – 51
9. M.Lokeswara Reddy and Dr P.Ramana Reddy, "Lossless Linear Integer Signal Resampling", Published in International Journal of Electronic Signals and Systems (IJESS), ISSN No: 2231-5969, Vol – I, Issue – 2,2012, PP: 106 – 114
10. C.Sudarshan Babu and Dr P.Ramana Reddy, "Implementation of 256-bit High Speed and Area Efficient Carry Select Adder", Published in International Journal of Electronics and Communication Technology (IJECT), ISSN : 2230-7109 (Online) | ISSN : 2230-9543 (Print), Vol. 3, Issue 4, Oct - Dec 2012,PP:204 – 208
11. S.Anvesh and Dr P.Ramana Reddy, "Optimized Design of an Alu Block Using Power Gating Technique", Published in International Journal of Electronics and Communication Engineering (IOSR-JECE),ISSN: 2278-2834, ISBN: 2278-8735. Volume 4, Issue 2 (Nov. - Dec. 2012), PP 24-30
12. AppaRao.M., Dr P.Ramana Reddy and Cyril Prasanna Raj.P," Design and Implementation of low power 12 – bit 100 – MS/s pipelined ADC using open – loop residue amplification", Published in Global Journal of researches in Engineering: F : Electrical and Electronics Engineering, ISSN:0975 – 5861, Volume 12, Issue 11,Version 1.0,PP:15 – 21, 2012.
13. Bhaskar.S.,G.A.E.SatishKumar,P.RamanaReddy,KashyapDhruve," A Seamless Adaptive Mobility Management Scheme for 4-G Network" Published in International Journal of Computer Science and Network Security, ISSN : 1738-7906, Vol.13,No.1,January 2013 PP:39 – 45
14. S.Janardhan Rao and P.Raman Reddy, "Copyright Protection of Color Images using Counterlet Transformations", published in Journal of Innovation in Electronics and Communications - Special Issue - 2,Volume – 2,Issue – 2,ISSN: 2249 – 9946,PP:1 – 5

15. K.Khamara Taj and P.Raman Reddy, "Robust Digital Signature of Color Images using Wavelet Transforms", published in Journal of Innovation in Electronics and Communications - Special Issue - 2, Volume - 2, Issue - 2, ISSN: 2249 - 9946, PP:118 - 122
16. T.Jagadeesh and P.Raman Reddy, "Providing High Performance for Network Processing by using DDR3 based Look-Up Circuit", published in CiiT International Journal of Networking and Communication Engineering", Vol 5, No 11, November 2013, ISSN 0974 - 9713, PP:483 - 488 (IF 1.953)
17. P.Manjunath and P.Raman Reddy, "Improving the Power Delay Performance of Parallel Prefix Adders", published in CiiT International Journal of Programmable Device Circuits and Systems", Vol 5, No 11, November 2013, ISSN 0974 - 973X, PP:429 - 433 (IF 0.98)
18. B.Vikramthej and P.Raman Reddy, "Reducing Soft Errors in Register File by using Self - Immunity Technique", published in CiiT International Journal of Programmable Device Circuits and Systems", Vol 5, No 11, November 2013, ISSN 0974 - 973X, PP:434 - 439 (IF 0.98)
19. G.Sanjeeva Rayudu and P.Raman Reddy, "An Image Fusion Approach based on MRF with Port Processing", published in CiiT International Journal of Digital Image Processing", Vol 5, No 11, November 2013, ISSN 0974 - 9691, PP:495 - 499 (IF1.352)
20. K. Venkateswara Reddy and P.Raman Reddy, "Hardware Co-Simulation of QPSK Modulation and Demodulation in Presence of AWG Noise on FPGA", published in CiiT International Journal of Wireless Communication, Vol 5, No 11, November 2013, ISSN 0974 - 9756 ,PP:(IF 1.250)
21. P.Raman Reddy and S.Siddeswara Reddy, "A Novel Image Coding Algorithm using DTT and SPIHT", published in International Journal of Engineering Research and Technology (IJERT), Vol 2, No 12, December 2013, ISSN 2278 - 0181 ,PP: 2562 - 2565.
22. S Nagakishore Bhavanam¹, Dr. P. Siddaiah², Dr. P. Ramana Reddy "Goertzel Algorithm based DTMF Detection Using FPGA" Published in ANU Journal of Engineering & Technology, Vol.V, No.1&2, June - December 2013.
23. S. Nagakishore Bhavanam, Dr. P. Siddaiah, Dr. P. Ramana Reddy, "Goertzel Algorithm based DTMF Detection" Published in American International Journal of Research in Science, Technology, Engineering and Mathematics, ISSN: 2328-3491.
24. S. Nagakishore Bhavanam, Dr. P. Siddaiah, Dr. P. Ramana Reddy, "FFT Based DTMF Detection by using Spartan 3E FPGA" Published in American International Journal of Research in Formal, Applied and Natural Sciences, ISSN : 2328-3777.
25. S. Nagakishore Bhavanam, Dr. P. Siddaiah, Dr. P. Ramana Reddy, "Spartan 3E FPGA based efficient DTMF Detection by using RSA" ANU Journal of Engineering & Technology ISSN : 0976-3414, Vol. VI, No. 1 & 2, July - December - 2014.

26. Bhaskar.S.,G.A.E.SatishKumar,P.Ramana Reddy,” Design and analysis of an Adaptive handover Protocol for 4G Networks ” Published in J. Shanghai Jiaotong Univ. (Sci.), 2015, 20(2): 209-217.
27. Bhaskar.S.,G.A.E.Satish Kumar, P.Ramana Reddy, ,” Handover Management in Next Generation Networks: A Cross layer solution” Published in Int. J. Information Technology, Communications and Convergence, Vol. 3, No. 2, 2011.
28. Bhaskar.S.,G.A.E.SatishKumar,P.Ramana Reddy,” Applicability of an Adaptive Handover Mechanism on Practical 4G Networks ” Published in Journal of Theoretical and Applied Information Technology 20th January 2016. Vol.83. No.2.
29. M. Mahaboob Basha, K. Venkata Ramanaiah, P.Ramana Reddy “Low Area – High Speed – Energy Efficient One Bit Full Subtractor With MT CMOS” International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 11 (2015) pp. 27593-27604.(Scopus Index).
30. M. Mahaboob Basha, K. Venkata Ramanaiah, P. Ramana Reddy, S. Govindarajulu “Novel Low power and high speed array divider in 65 nm Technology” International Journal of Advances in Science and Technology, Vol. 6, No.6, 2013. ISSN 2229 5216.(Silicon valley Publisher UK)
31. M. Mahaboob Basha, K. Venkata Ramanaiah, P. Ramana Reddy “Area-Delay- Power Efficient PSO Based One Bit Full Subtractor at Different Technologies” International Journal of Innovative Research in Computer and Communication Engineering, Vol.3, Special Issue 4, April 2015. ISSN: 2320-9798.
32. M. Mahaboob Basha, K. Venkata Ramanaiah, Dr. P. Ramana Reddy. B.Lokeshwar Reddy “Adder An Efficient Model For Design of 64-bit High Speed Parallel Prefix VLSI” International Journal of Modern Engineering Research (IJMER) Vol. 3, Issue. 5, Sep - Oct. 2013 pp-2626-2630 ISSN: 2249-6645.
33. G. Uma Maheshwar, Dr. P. Ramana Reddy, “UNIQUE CBIR – A Unified Method of Retrieving Similar Images” Published in International Journal of Computer Applications (0975 – 8887) Volume 127 – No.18, October 2015.
34. K. Sai VenuPrathap, Dr. S. A. K Jilani, Dr. P. Ramana Reddy, “ A Real-Time Image Mosaicing using Scale Invariant Feature Transform” Published in Indian Journal of Science and Technology, Vol 9(12), DOI: 10.17485/ijst/2016/v9i12/88175, March 2016.

35. S. Nagakishore Bhavanam, Dr. P. Siddaiah, Dr. P. Ramana Reddy, "Area and Power optimized DTMF detection by using different FPGAs", ELSEVIER Journal- Procedia Computer Science, 85 (2016), ISSN: 1877-0509, pp. 331-344.
36. AppaRao.M., Dr P.RamanaReddy,"A Low Power 4th order delta sigma ADC using 6 bit SAR type Quantizer ", Published in International Journal of Applied Engineering Research, ISSN:0973 – 4562, Volume 12, No - 23,(2017) ,PP:13232-13238,
37. AppaRao.M., Dr P.RamanaReddy,"A Low Power higher order switched capacitor designed for sigma Delta ADCs", Published in International Journal of Research in applied science and Engineering Technology,(IJRASET), ISSN:2321 – 9653; IC value : 45.98: SJ , Impact factor: 6.87, Volume 5, Issue : XII, December 2017.
38. K. Sai VenuPrathap, Dr. S. A. K Jilani, Dr. P. Ramana Reddy, " A Performance Evaluation of a Real time Image Mosaicing with a rapid Proto type Hardware", Published in Helix International Journal , Vol 8, No : 1 (2017),PP. 2796-2801, WOS (Indexed Journal) ISSN: 2319-5592.
39. K. Sai VenuPrathap, Dr. S. A. K Jilani, Dr. P. Ramana Reddy, " A Real time Image Mosaicing using on board computer ", Published in Advances in intelligent systems and computing (AISC) – Springer , Vol 668,(2018),PP. 359-367, ISSN: 978-981-10-7868-2.
40. K. Sai VenuPrathap, Dr. S. A. K Jilani, Dr. P. Ramana Reddy, " A Real time Image Mosaic Performance Measurements ", Published in International Journal of Pure and Applied Mathematics, Vol 118,No. 18(2018),PP. 3699-3705. (Scopus Indexed journal), ISSN: 1314-3395.
41. M. Chandra Sekhar Reddy, Dr.P. Ramana Reddy, "Design and Implementation of LOW Power ALU Using 8T Full Adder with Fin FETs " Published in i-Managers Journal on Circuits and Systems , Vol. 5, Issue 4, September – Nov 2017.
42. M. Chandra Sekhar Reddy, Dr.P. Ramana Reddy, "Input signal Aware Power Minimization based Low Power 8 Bit Fin FET ALU " Published in journal of Advanced Research in dynamical and Control Systems, Vol.10, 11-Special Issue , 2018. (Scopus Indexed Journals).
43. M. Chandra Sekhar Reddy, Dr.P. Ramana Reddy, "Design and Analysis of Low Power 6T Full Adder with Fin FET Technology" Published in International Journal of Engineering science Invention (IJESI), Vol.7, Issue 3 , Version II, March 2018, PP.15-20 (UGC Indexed Journal).
44. M. Chandra Sekhar Reddy, Dr.P. Ramana Reddy, "Implementation of Multipliers using Low Power Adder Blocks with Fin FET Technology" Published in journal of Advanced Research in dynamical and Control Systems, Vol.10, 14-Special Issue, 2018. (Scopus Indexed Journals).

45. M. Chandra Sekhar Reddy, Dr.P. Ramana Reddy, "Design of Low Power Multiplier using Fin FET Technology" Published in International journal of Recent Technology and Engineering. Accepted and Published on 30 September 2019, (Scopus Indexed Journals).
46. M. Chandra Sekhar Reddy, Dr.P. Ramana Reddy, "Intelligent signal Gating Aware Energy Efficient 8-bit Fin FET ALU" Published in journal of Engineering Science and Technology, Taylors University. (Under Second Review Process) (ESCI & Scopus Indexed Journals).
47. Javvaji V. K. Ratnam, T. Sreenivasulu Reddy and P. Ramana Reddy," XOR based Secret Image Sharing Scheme with Security Improvement," Helix, 2018. (Accepted for Publication) & (Thomson Reuters and ESCI Indexed Journal)
48. Javvaji V. K. Ratnam, T. Sreenivasulu Reddy and P. Ramana Reddy, "A Novel Secured Boolean based Secret Image Sharing Scheme," ARPN Journal of Engineering and Applied Sciences (ARPN-JEAS), vol. 13, no. 13, pp. 4253-4259, July 2018. (Scopus Indexed Journal)
49. Javvaji V.K. Ratnam, T. Sreenivasulu Reddy and P. Ramana Reddy, "Design and performance evaluation of Boolean based secret image sharing scheme," International Journal of Applied Engineering Research (IJAER), vol. 13, no. 4, pp. 1827–1832, 2018. (Scopus Indexed Journal)
50. Javvaji V.K. Ratnam, T. Sreenivasulu Reddy and P. Ramana Reddy, "A Review on Visual Secret Sharing Schemes," International Journal of Emerging Technology and Advanced Engineering (IJETAEE), Volume 7, Issue 11, pp. 223–227, November 2017. (UGC Approved Journal).
51. B S Raghunatha Reddy, Dr. P Ramana Reddy , "Interactive 3D Wi-Fi Display Miracast System using Back Channel Input ", Published in International Journal of Engineering & Technology, International Journal of Engineering & Technology, 7 (3.24) (2018) 434-437.
52. B S Raghunatha Reddy, Dr. P Ramana Reddy , "Interactive 3D Video Streaming for a Wi-Fi Display System", JASC: Journal of Applied Science and Computations, Volume 5, Issue 11, November/2018, ISSN NO: 1076-5131, Volume 5, Issue 11, November/2018, Page No:878
53. B S Raghunatha Reddy, Dr. P Ramana Reddy , "Distributed P2P Multicasting of 3D MVV over Wi-Fi Display, 2018 JETIR November 2018, Volume 5, Issue 11, (ISSN-2349-5162).
54. B. Ranjit Reddy, Dr. P. Ramana Reddy, "A Fast Prediction based on Pooled Reference Frames in Multi View Video Coding". International Journal of Engineering & Technology. Volume 7, Number 3.24 (2018) pp. 522-524, (Indexed in Scopus).
55. B. Ranjit Reddy, Dr. P. Ramana Reddy, "A Fast Method to Choose the Reference Frame to Extract Inter-view Redundancy from Multiple Views". International Journal of Advance Research, Ideas and Innovations in Technology. Volume 3, Issue 6, 2017 pp. 1407-1411.
56. B. Ranjit Reddy, Dr. P. Ramana Reddy, "A novel inter-view prediction using zigzag bouncing reference frame in Multiview Video Coding". Journal of Applied Science and Computations, ISSN NO: 1076-5131, Volume 5, Issue 11, November/2018, pp. 1127-1130.

57. B. Ranjit Reddy, Dr. P. Ramana Reddy, "Multiple Camera placement and inter-view prediction in MVC for Virtual Reality Application". Journal of Emerging Technologies and Innovative Research, ISSN-2349-5162, Volume 5, Issue 12, pp. 695-698.
58. Mummadi Gowthami Reddy, Palagiri Veera Narayana Reddy, Patil Ramana Reddy, "Medical Image fusion using integrated guided nonlinear anisotropic filtering with Image Statistics", International Journal of Intelligent Engineering and Systems, Vol.13, No.1, 2020 .
59. Munipraveena Rela, S. Nagaraja Rao, P. Ramana Reddy, "Efficient Image Enhancement Techniques Applied on Medical Imaging-A State-of-The Art Survey", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7, Issue-6S4, April 2019 .
60. Javvaji V.K. Ratnam, T. Sreenivasulu Reddy, P. Ramana Reddy, "Design of Boolean XOR based (n, n) Secret Image Sharing Schemes with Contrast and Security Improvement", Helix E-ISSN: 2319-5592; P-ISSN: 2277-3495, Helix (2020) 10 (2): 80-86.
61. A. Ramana Kumari, S. Nagaraja Rao, P. Ramana Reddy, "A Novel Method For Dental Radiographs Contrast Enhancement For Efficient Diagnosis Of Dental Diseases", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-4S2 March, 2019.
62. Munipraveena Rela, Suryakari Nagaraja Rao, Patil Ramana Reddy, "Optimized segmentation and classification for liver tumor segmentation and classification using opposition-based spotted hyena optimization" Int J Imaging Syst Technol. 2020;1-30. wileyonlinelibrary.com/journal/ima .
63. A. Ramana Kumari, Dr. S. Nagaraja Rao, Dr. P. Ramana Reddy, "A Brief Review over Dental Image Segmentation and Classification Techniques", Test engineering and Management Volume 83 Page Number: 8953 - 8961 Publication Issue: March - April 2020 ISSN: 0193-4120.
64. C. Padma, Dr. P. Jagadamba, Dr. P. Ramana Reddy" Pipelined FFT Architectures for Wireless Communication Applications" International Journal of Management, Technology And Engineering ISSN NO: 2249-7455 Volume 8, Issue XII, DECEMBER/2018 Page No:4248.
65. C. Padma, Dr. P. Jagadamba, Dr. P. Ramana Reddy" Implementation of High Performance FFT Architecture for DSP Applications" International Journal of Advanced Science and Technology Vol. 29, No. 3s, (2020), pp. 582 – 593 ISSN: 2005-4238 IJAST.
66. C. Padma, Dr.P. Jagadamba, Dr.P. Ramana Reddy" A Review on Optimized FFT Architectures for Wireless Communication Systems "Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 14-Special Issue, 2018 ISSN 1943-023X 1654.
67. K. C. Kullayappa Naik, Ch. Balaswamy, P. Ramana Reddy," Performance of AODV and OLSR Protocols with Different Mobility Models", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019.
68. K. C. Kullayappa Naik, Dr. Ch. Balaswamy, Dr. P. Ramana Reddy" Lifetime Enhancement of AODV Routing Protocol for Homogeneous and Heterogeneous MANETs" International Journal of Pure and Applied Mathematics Volume 118 No. 24 2018 ISSN: 1314-3395.
69. K.C. Kullayappa Naik, Dr.Ch. Balaswamy, Dr.P. Ramana Reddy," Performance Evaluation of Stochastic Mobility Model and Trace based Mobility Model for MANETs, Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 15-Special Issue, 2018.

70. MunipraveenaRela ,Nagaraja Rao Suryakari, P Ramana Reddy,” Liver Tumor Segmentation and Classification: A Systematic Review”, IEEE HYDCON-2020.
71. MunipraveenaRela, SuryakariNagaraja Rao, Patil Ramana Reddy” Liver Tumor Segmentation using Superpixel based Fast Fuzzy C Means Clustering”, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 11, No. 11, 2020.
72. MunipraveenaRela, S. Nagaraja Rao, P. Ramana Reddy,” Extraction and Classification of tumor in CT Liver Image” Test engineering and Management January-February 2020 ISSN: 0193-4120 Page No. 8747 – 8753.

INTERNATIONAL CONFERENCES

1. V.Srinivasulu, P.Ramana Reddy and D.Srinivasa Rao, “Device Driver for PCI based Ethernet Controllor Card RTL8139C”, published in the proceedings of PCEA- IFToMM International Conference (PICA-2006) held at Priyadarshini College of Engineering and Architecture, Nagpur, India, from July 11th to 14th 2006.
2. S.Jagadeesh, P.Ramana Reddy, M.V.N.K Prasad and D.Srinivasa Rao, “Motion Estimation using Wiener Update Strategy”, published in the proceedings of first IEEE International Conference on Signal and Image Processing (ICSIP-2006) held at BVB College of Engineering and Technology, Hubli, Karnataka, India, from December 7th to 9th 2006.Vol – I, PP. 67-72 ISBN 10: 0230-63003-0, ISBN 13:9738-0230-63003-1.
3. M.Venakatesh, P.Ramana Reddy, M.V.N.K Prasad and D.Srinivasa Rao, “Object Recognition using Wavelet-Hilbert Morphological Skeleton Transform”, published in the proceedings of first IEEE International Conference on Signal and Image Processing (ICSIP-2006) held at BVB College of Engineering and Technology, Hubli, Karnataka, India, from December 7th to 9th 2006.Vol – I, PP. 151-156 ISBN 10: 0230-63003-0, ISBN 13:9738-0230-63003-1.
4. P.Ramana Reddy, and V.V.Prasad, “Speaker Identification System using TESPAPAR Technique”, published in the proceedings of the first International Conference on Emerging Technologies and Applications in Engineering, Technology and Sciences (ICETAETS-2008) held at Computer Science Department, Saurashtra University, Rajkot, Gujarat, India, from January 13th to 14th 2008.Vol – I, PP. 987-992 ISBN: 978-81-906220-0-4.
5. P.Ramana Reddy, U.Siva Durga Vara Prasad, M.V.N.K Prasad and D.Srinivasa Rao, “Analysis of Improved Wavelet Tree Quantization Watermarking for Color Images”, published in the proceedings of second International Conference on Signal and Image Processing (ICSIP-2009) held at Vidya Vikas Institute of Engineering and Technology, Mysore, Karnataka, India, from August 12th to 14th 2009. PP. 90-95 ISBN: 978-93-80043-26-5.
6. Shaik Basheera and P.Ramana Reddy, “Robust and Secure Medical Image Watermarking”, published in the proceedings of second International Conference on Signal and Image Processing (ICSIP-2009)

held at Vidya Vikas Institute of Engineering and Technology, Mysore, Karnataka, India, from August 12th to 14th 2009. PP. 96-99 ISBN: 978-93-80043-26-5.

7. P.Ramana Reddy, B.Srinivas, M.V.N.K Prasad and D.Srinivasa Rao, "Blind Self Authentication of Color Images for Robust Watermarking using Lifting based Integer Wavelet Transform", published in the proceedings of second International Conference on Signal and Image Processing (ICSIP-2009) held at Vidya Vikas Institute of Engineering and Technology, Mysore, Karnataka, India, from August 12th to 14th 2009. PP. 100-104 ISBN: 978-93-80043-26-5.
8. P.Ramana Reddy and V.Ram Prasad, "Robust Watermarking using Singular value Decomposition", published in the proceedings of second International Conference on Signal and Image Processing (ICSIP-2009) held at Vidya Vikas Institute of Engineering and Technology, Mysore, Karnataka, India, from August 12th to 14th 2009. PP. 244-248 ISBN: 978-93-80043-26-5.
9. A.Venkateswarlu, T.Venu Gopal and P.Ramana Reddy, "Digital Watermarking Based on Curvelet Transform" Published in International Conference on RF and Signal Processing (RSPS 2010) held at KL University, Vijayawada on 8th & 9th Jan-2010
10. S.Chandra Sekhar and Dr P.Ramana Reddy, "Fast Computing Watermarking Scheme for Barcode Embedding", Published in International Conference on Communication, Computation, Control and Nano Technology held at Rural Engineering College, Bhalki, Karnataka from October, 29 – 30, 2010
11. Ms.S.Aruna and Dr P.Ramana Reddy, "A Secured Watermarking Image Technique using Dual Level DCT", Published in International Conference on Technology and Management (ICTM – 2011) held at Bangalore, on 8th – 9th June, 2011.
12. Ms.S.Pavani and Dr P.Ramana Reddy, "Moment Invariants for Degraded Image Recognition", Published in International Conference on Computer Science and Information Technology (CSIT – 2011) held at Bangalore, on 24th – 25th July, 2011. ISBN: 978-93-81361-16-0 PP: 136 – 139
13. Mr.S.Kannappan and Dr P.Ramana Reddy, "Beam Forming with a Measure of Non-Gaussianity", Published in International Conference on Computer Science and Information Technology (CSIT – 2011) held at Bangalore, on 24th – 25th July, 2011. ISBN: 978-93-81361-16-0 PP: 567-571
14. V.Madhurima, P.Ramana Reddy and Dara Sampath Kumar, "Fusion of Multimodality Images and Preserving Edge Features using novel Wavelet Coefficient Contrast In Medical Applications" Published in International Conference on Electronic Communications & Computing Technologies (ICECCT'11), September 12th & 13th, 2011
15. S Nagakishore Bhavanam¹, Dr. P. Siddaiah², Dr. P. Ramana Reddy "Goertzel Algorithm based DTMF Detection Using FPGA" Published in International Conference Navigational Systems And Signal Processing Applications (NSSP-2013) 13th & 14th December, 2013.
16. Bhaskar.S., G.A.E.Satish Kumar, P. Ramana Reddy, "Signal strength based handover management protocol for future generation networks" Published in IEEE International Conference on Progress in Informatics and Computing (PIC 2014) held at Shanghai, China from May 16 – 18. ISBN: 978-1-4799-2033-4 PP: 556-561

17. S Nagakishore Bhavanam¹, Dr. P. Siddaiah², Dr. P. Ramana Reddy “FPGA based DTMF Detection Using Split Goertzel Algorithm with optimized Resource sharing approach” Published in IEEE conference in 2014 with ISBN: 978-1-4799-3156-9/14
18. S Nagakishore Bhavanam¹, Dr. P. Siddaiah², Dr. P. Ramana Reddy “Zynq 7000 series FPGA based Efficient DTMF Detection” Published in IEEE international conference on computational intelligence and computing research, 2014 with ISBN: 978-1-4799-3972-5/14.
19. M. Mahaboob Basha, K. Venkata Ramanaiah, P. Ramana Reddy, R.Sindhu, “Sub Threshold Dual Mode Logic for Ultra Low Power Applications” Fifth International Conference on Advances in Computer Engineering – ACE 2014, held on Dec 26-27, 2014 in Kochi, Kerala. In association with Association of Computer Electrical Electronics and Communication Engineers (ACEECom). The paper is published in the McGraw-Hill Education. ISBN(13): 978-93-392-2169-0.
20. M. Mahaboob Basha, K. Venkata Ramanaiah, P. Ramana Reddy “Novel Energy Efficient One bit Full Subtractor at 65nm Technology” International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO) - 2015 978-1-4799-7678-2/15/\$31.00 ©2015 IEEE.
21. K. Sai VenuPrathap, Dr. S. A. K Jilani, Dr. P. Ramana Reddy, “ A Critical Review on Image Mosaicing” Published in International Conference on Computer Communication and Informatics (ICCCI -2016), Jan. 07 – 09, 2016, Coimbatore, INDIA
22. M. Chandra Sekhar Reddy, Dr.P. Ramana Reddy, “A Review on Low - Power Full - Adder Design Techniques” Published in IEEE Sponsored 3rd International Conference on Electronics and Communication Systems (ICECS 2016), 25th and 26th ,Feb’2016
23. AppaRao.M., Dr P.Ramana Reddy, “16-bit 1.5 mW Sigma Delta ADC ”, International Conference on advances in computing, Electrical and Communication Engineering , Organized by PACE Institute of Technology and Sciences , Ongole held on 10th and 11th March – 2017.
24. K. Sai VenuPrathap, Dr. S. A. K Jilani, Dr. P. Ramana Reddy, “A Real time Image Mosaicing using FAST Detector and FREAK Descriptor ” Published in IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), held at Chennai , During March 22 – 24, 2017. PP.2444-2449.
25. K. Sai VenuPrathap, Dr. S. A. K Jilani, Dr. P. Ramana Reddy, “ A Performance Evaluation of a Real time Image Mosaicing with a rapid Proto type Hardware” Published in International Conference on Advanced Communications Systems - 2017, held at SVCE , Tirupathi, During October 20th – 22nd , 2017. ISBN : 978-93-5288-058-4.
26. M. Chandra Sekhar Reddy, Dr.P. Ramana Reddy, “Input signal Aware Power Minimization based Low Power Fin FET Adder ” Published in IEEE International Conference on new trends in Engineering and Technology (ICNTET- 2018) 7th and 8th September 2018, Tiruttani (GRT) Tamilnadu INDIA .
27. Javvaji V.K. Ratnam, P. Ramana Reddy and T. Sreenivasulu Reddy, “Design of High Secure Visual Secret Sharing Scheme for Gray Scale Images,” IEEE International Conference on Wireless Communications, Signal Processing and Networking 2017 (IEEE WiSPNET 2017), pp. 145–148, March, 2017.

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29. B S Raghunatha Reddy, Dr. P Ramana Reddy," A Client-Driven 3D Content Creation System Using 2D Capable Devices", IEEE WiSPNET 2017 conference, 978-1-5090-4442-9/17, 2017.
30. B. Ranjit Reddy, Dr. P. Ramana Reddy, "A Novel Selection of Inter-View Reference Frame Based on the Direction of Motion". IEEE WISPNET 2017. pp. 2566-2569.
31. Dr.D.Vishnu Vardhan, Dr. P. Ramana Reddy, "Placement and Routing Strategies in VLSI Design Using Optimization Algorithms", 1st International Conference on Advancement in Engineering Sciences (AES2019) , held on 28th – 29th September -2019 at SMVD University , Jammu.
32. B. Venkata Krishnaveni, Dr. K. Suresh Reddy, Dr. P. Ramana Reddy ," Position Estimation of Ultra-Wideband Indoor Wireless System 2020 International Conference on Artificial Intelligence and Signal Processing (AISP).
33. K.C. Kullayappa Naik, Dr.Ch. Balaswamy, Dr.P. Ramana Reddy,"Performance Analysis Of OLSR Protocol For Manets Under Realistic Mobility Model", 2019 Third IEEE Conference On Electrical Computer And Communication Technologies.

NATIONAL CONFERENCES

1. K. Srinivasa Rao, P. Ramana Reddy and Prof. L. Satya Prasad, "Detection of English Alphabet embedded in Images using profiling and zernike moments." , published in Proceedings of National Conference on Signal Processing and Communication (NCSPC – 2006), held at Departments of Electronics & Communication and Telecommunication Engineering,J. N. N. College of Engineering, SHIMOGA – 577 204, Karnataka, India, from July 7th to 8th 2006, PP. 107-111.
2. Sri M. Eswar Reddy, Sri P. Ramana Reddy and Dr. D Srinivasa Rao, "Implementation of Multiwavelet Transform Coding for Image Compression", published in Proceedings of National Conference on Signal Processing and Communication (NCSPC – 2006), held at Departments of Electronics & Communication and Telecommunication Engineering,J. N. N. College of Engineering, SHIMOGA – 577 204, Karnataka, India, from July 7th to 8th 2006, PP. 55-59.
3. LakshminarayanaMoolinti and P.Ramana Reddy, "Design of Simulator for Ground Based Regional Augmentation system (GRAS)", published in Proceedings of National Conference on Emerging Trends in Computer and Network Technologies (NCETCN-08), held at Department of Computer Science & Information Science Engineering, PDIT, Hospet, from September 19th to 20th 2008, PP.1-6.
4. G.Sridhar Ramesh Kumar and P.Ramana Reddy, "Discrete wavelet transform based Watermarking Scheme", published in National Conference on Emerging Trends in Electronics And Communication 2007 (NCEMERGE-07), held at JNTU College of Engineering, Anantapur, on June 23rd 2007. PP. 237-239.

5. G.Mahendra and P.Ramana Reddy, "Using Digital Signature with Digital Watermark Scheme for Image Authentication", published in National Conference on Emerging Trends in Electronics And Communication 2007 (NCEMERGE-07), held at JNTU College of Engineering, Anantapur, on June 23rd 2007. PP. 250-252.
6. K.Srinivasa Rao, P.Ramana Reddy and Dr.D.Srinivasa Rao, "A Combined algorithm of Cryptography and Steganography to enhance network Security", published in National Conference on Emerging Trends in Electronics and Communication (NC-2006), held at Padre Conceicao College of Engineering, Verna, Goa, from September 14th to 16th 2006.
7. Md.Imaduddin and P.Ramana Reddy, "Image Fusion using Complex Wavelet Transforms", published in the proceedings of National Conference on Signal Processing and Communication Systems, held at Department of Electronics and Communication Engineering, R.V.R & J.C. College of Engineering, Guntur, A.P, India, from February 20th to 21st 2008, PP.19-22.
8. Patil Ramana Reddy and D.Bhanu Prakash, "A Digital Watermarking Scheme using Compression Technique", published in the proceedings of National Conference on Recent trends in Computer Science and information Technology (RTICSIT-09), held at Guru Nanak Dev Engineering College, Bidar, Karnataka, India, from May 8th to 9th 2009, PP. 49-52.
9. B.Venakata Ramana , P.Ramana Reddy and D.Srinivasa Rao, "Real Time face Recognition using Eigen face Approach", published in National Conference on Radar Technology and Signal Processing Techniques, held at Sri Venkateswara University college of Engineering , Tirupati, A.P, India, from July 24th to 25th 2006, PP. 30-34
10. B.Suresh and P.Ramana Reddy, "Tamper Proof Watermarks with Embedded Reversible Data", Published in Proceedings of National Conference on Emerging Trends in Electronics and Communication Technologies (NCECT'12) conducted by Department of ECE, JNTUA College of Engineering – Anantapur on 28th March'12,PP:172 – 176
11. AppaRao.M., Dr P.RamanaReddy,"A Ultra Low Power Operational Trans conductance Amplifier for higher order Sigma – Delta ADCs ", National Conference on computing, Communication and Electrical Engineering , Organized by Nalla Narashima Reddy School of Engineering , Hyderabad held on 15th and 16th December – 2017.

Ph.D's Guided / Guiding

S.No	Name	Title of Dissertation / Area of Research	Year of completion / Status of Work
1	S.Bhaskar (10PH0409)	A Novel Handoff Management Protocols for mobile Networks	2017
2	M. Appa Rao(10PH0420)	A Novel Low Power Higher Order Sigma – Delta ADC Using SAR Based Quantizer for Sensor Applications	2019
3	S.Naga Kishore Bhavanam(12PH0411)	FPGA Based Efficient DTMF Detection using Split Goertzel algorithm with Optimized Resource sharing approach	2017
4	Sai Venu Prathap Katari (13PH0422)	A Real – Time Image Mosaicing using Invariant Features	2019
5	B.Ranjith Reddy (11PH0424)	Novel Inter – View Prediction Techniques in Multi View Video Coding	2019
6	M. Mahaboob Basha (11PH0413)	Design Of Energy Efficient Arithmetic Circuits For Computing Applications	2020
7	B.S. Raghunatha Reddy (11PH0414)	Adaptive and Interactive Methods for 3D Video Streaming	2020
8	J.Venkata Kanaka Ratnam (14PH0401)	Development of Novel Secret sharing Algorithms for single and Multiple Images	2020
9	M.Chandra Sekhar Reddy (13PH0419)	Performance analysis of Efficient Arithmetic circuits using Fin FETs	2020
10	K.Kullayappa Naik	Computer Networks	Submitted
11	M.Sreenath Reddy (11PH0415)	Bio Medical Signal Processing	Perusing
12	Padma Challa (15PH0422)	VLSI Domain	Perusing
13	V.Sabitha (15PH0419)	Bio Medical Signal Processing	Perusing
14	M.Sravanthi (15PH0403)	VLSI Domain	Perusing
15	V.Shavali	VLSI Domain	Perusing
16	P.Sagar Babu	VLSI Domain	Perusing
17	B.Samba Siva Rao	Image Processing	Perusing
18	C .V. Subaskar Reddy	Computer Networks	Perusing
19	Surendar	Satellite Tracking	Perusing
20	Krishna Veni	Wireless Communications	Perusing
21	Muni Praveena	Image Processing	Perusing
22	Gouthami	Image Processing	Perusing

Programs Organized:

Coordinated the following Seminars/FDPs/Workshops/Conferences:

- ❖ Organized 2-day workshop on Digital Imaging: Trends & Perspectives (DITP -2008) for P.G Students and Faculty members on 19th & 20th Dec'2008
- ❖ Organized 15 days community service program on “Color Television servicing” to train unemployed rural youth
- ❖ Organized one day Program on Career Awareness and Opportunities on “Mobile Technologies and Trends “(Sponsored by UGC) on 18th February 2017.
- ❖ Organized one day Hands on Training Program on Career Awareness and Opportunities on “MATLAB Programming “(Sponsored by UGC) on December 2016.
- ❖ Organized one day Awareness Program on “Bio Metrics” (Under TEQIP - III) 2018.

Membership – Professional Societies:

- ❖ Fellow of IEI and IETE and Life Member of ISTE

Foreign Visits:

- ❖ Visited Asian Institute of Technology, Bangkok, Thailand on 25th & 26th March ,2009 to study school of excellence and for possible collaborations in the areas of Telecommunication Engineering and Nano Technology.
- ❖ Also visited University of Malaysia, Sabah, Kotakinabalu, Malaysia on 27th & 28th Mach, 2009 to study school of excellence and for possible collaborations in the areas of School Electrical Sciences and Computer Engineering.

Books / Monogram Published

- ❖ Published Monogram titled “Performance Evaluation of Color Image Watermarking: Wavelet Based Algorithms” with Co – Authors Prof.D.Sreenivasa Rao, ECE Department, JNTUHCE, Kukatpally, Hyderabad and Dr.M.V.N.K.Prasad, Assistant Professor, IDRBT,Hyderabad by Lambert Academic Publishing,Germany.

Declaration:

I hereby declare that the information furnished above is true to the best of knowledge

Dr. P.Ramana Reddy

Date: 18-05-2021

Anantapur