


BIO SKETCH OF	
	Name : Dr Andhe Satyanarayana Murthy
	Designation : Professor
	Experience : 33 Years
	Email: satyanarayana.ece@hitam.org
	Mobile: 8500297324
Specialization	Electronics & Communications Engg
Academic Qualification	<p>Doctor of Philosophy (PhD) –April 2015, Electronics & Communication Engineering; Specialization in Digital Speech Signal Processing, GITAM University, India</p> <p>Master of Engineering (ME) –May 1992, Andhra University, Visakhapatnam, India</p> <p>Bachelor of Engineering in Electronics and Communications, Andhra University, 1982</p> <p>Post Graduate Diploma in Computer Applications, Multisoft Systems, 1998</p> <p>Diploma in Sugar Technology, Govt Polytechnic, Visakhapatnam, 1982</p>
Total Teaching Experience	Teaching Experience 33 years, Research Experience 15 Years
Publication Details	International Journals
	K. Sarita, Dr ASN Murthy, "Energy Monitoring and Theft System using IOT", International Journal for Research in Applied Science & Engineering Technology", ISSN:2321-9653; vol. 8, Issue 6 June 2020.
	AVNS Bhavani, Dr ASN Murthy, "Investigation of Deep Neural Network for Speaker Recognition", International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321, vol. 8, Issue 6, June 2020
	Manoj, Sriram, Harish, ASN Murthy, "Industrial Monitoring System using LoRa Module with IoT", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Vol. 8 Issue V May 2020
	ASN Murthy, Sai kumar, "Evaluation of pitch estimation in clean and noisy speech", International Journal of Engineering & Technology, 7(3.29) (2018) 580-585
	ASN Murthy, Harika, Nikitha, "An Efficient Low bit rate CELP code speech communication", International Journal of Engineering & Technology, 7(3.29) (2018) 586-590
	C.Anisha, ASN Murthy, "Analysis of Beamforming Methods for Speech Enhancement", Global Research and Development Journal for Engineering, Volume 2, Issue 10, September 2017, ISSN: 2455-5703
	D. Dhanunjaya Rao, ASN Murthy, "Simulation and Performance Analysis of Various Least Mean Square Algorithms for Speech Enhancement", CiIT International Journal of Digital Signal Processing, September 2016
	KVS Manoj Kumar, ASN. Murthy, Dr. D. Elizabeth Rani, "Single Channel Speech Dererreverberation based on Modified Cepstral Co-efficients", International Journal of Speech Technology, March 15, 2014.
	VV.Sudhir, ASN. Murthy, Dr. D. Elizabeth Rani, "Acoustic Echo Cancellation using Adaptive Algorithms", International Journal of Advanced Computer Technology, April 2014.
	N.Manikanta Reddy, ASN Murthy, Dr. D. Elizabeth Rani, "Application of Microphone Array Beamforming Approaches for Noise Reduction in Speech Signals", International Journal of Advances in Computer Science and Technology, April 2014
	KVS Manoj Kumar, ASN Murthy, Dr. D. Elizabeth Rani, "Dereverberation of Speech using LPC based Approaches", International Journal of Engineering Research & Technology (IJERT), Vol. 2, Issue 12, pages 1418-1423, December 2013
	ASN Murthy, D. Elizabeth Rani, "Adaptive LMS filtering Approach for Speech Enhancement", International Journal of Communication Engineering Applications (IJCEA), Vol. 02, Issue 02, May 2011, p 43-47.
	ASN Murthy, D. Elizabeth Rani, "Speech Enhancement by Cascaded Spectral Subtraction", CiIT-International Journal of Digital Signal Processing, Vol. 3, No. 5, pages 182-191, June 2011.
	ASN Murthy, G. Sai Karthik Reddy and D. Elizabeth Rani, "Speech Enhancement using Microphone Array Techniques", CiIT-International Journal of Digital Signal Processing, Volume 3, No. 7, pages 335-343, August 2011
	International/National Conferences
	ASN Murthy, Ch Nikita, "Analysis of Bird Songs using Signal Processing", ICCEAESA-2019, International Conference on Computational and Experimental Methods for Advanced Engineering Systems and Applications, BVRIT, Narsapur, 23rd August 2019
	ASN Murthy, D. Elizabeth Rani, "Analysis of Speech signals using Linear Prediction Technique", Two-day National Conference on Convergence of Signal Processing Communications and VLSI Design, SDM College of Engineering, Darvad, 13-14 August 2010.
	ASN Murthy, D. Elizabeth Rani, "Magnitude and Phase Response of Linear Prediction Filter for Speech signals", National Conference on Advances in Communication Technologies", GITAM University, Visakhapatnam, 3-4 December 2010.
	ASN Murthy, and D. Elizabeth Rani, "Microphone Array for Speech Signal Acquisition", International Conference on Machine Intelligence Application to Power, Signal processing, Communication and Control [MIPSCON-2011], GMRIIT, Rajam, 7-9 April, 2011.
	MVS. Rojamani, ASN Murthy and D. Elizabeth Rani, "Design and Implementation of Microphone Array and Time Delay Computations", National Conference on Advances in Communication Technologies (NCACT'12) 9-10 Jan. 2012, Department of Electronics and Communication Engineering, GITAM Institute of Technology, GITAM University.
	P. Sahitya Kiran, ASN Murthy, and D. Elizabeth Rani, "Comparison of Wiener and Adaptive Wiener Filtering for Speech Enhancement", National Conference (V-IMPACT-2012) on Innovations in Micro-Electronics, Signal Processing and Communication Technologies (Feb.18- 19 2012), Vivekananda Institute of Technology, Department of Electronics & Communication Engineering, Jagatpura, Jalpur-25, Rajasthan.
	Sandep, Vikas, ASN Murthy and D. Elizabeth Rani, "Design and Implementation of Speaker Identification System using Vector Quantization", National Conference on Advances in Communication Technologies (NCACT'12) 9-10 Jan. 2012, Department of Electronics and Communication Engineering, GITAM Institute of Technology, GITAM University.
B. Laskhmi and ASN Murthy, "Blind Source Separation using Project Pursuit Gradient Accent Method," National Conference on Innovations in IT and Engineering (ITEZK13) organized by Department of Computer Science, Sri Venkateswara University, Tirupati, 20-22 April 2013.	
NK. Manikanta Reddy, ASN Murthy, Dr. D. Elizabeth Rani, "Speech Noise Reduction Based on Microphone Array Beamforming", Proceedings of NCACT, organized by Department of ECE, GITAM University, 14-15 February 2014.	
KVS Manoj Kumar, ASN Murthy, Dr. D. Elizabeth Rani, "Enhancement of Reverberant Speech using Linear Prediction Techniques", Proceedings of NCACT, organized by Department of ECE, GITAM University, 14-15 February 2014.	
I. Neelesh, ASN Murthy, Dr. D. Elizabeth Rani, "Modelling of Speech Signals", Proceedings of NCACT, organized by Department of ECE, GITAM University, 14-15 February 2014.	
VV. Sudhir, ASN Murthy, Dr. D. Elizabeth Rani, "The Cancellation of Echo Noise from speech using Different Adaptive Algorithms", Proceedings of NCACT, organized by Department of ECE, GITAM University, 14-15 February 2014.	
ASN Murthy, "Solar Energy Technologies", in proceedings of the 1st Engineering Conference: Energy and Environment (EnCon 2007), (Kuching, Sarawak, East Malaysia), p.p. 219-224, 27-28 December 2007	
ASN Murthy, "Coded Radar Performance Evaluation using Statistical Parameters", in proceedings of the Futuristic Approach for Communication Technologies (FACT-2K), Visakhapatnam, pp. 120-124, 25-26 February 2000.	
Dr. K.Raja Rajeswari and ASN Murthy, "Linear Prediction Filtering Approach for Radar Signal Processing", accepted in IEEE International Conference on Automated Control Systems, (Israel), September 1999.	
D.Elizabeth Rani, ASN Murthy and Dr.K.Raja Rajeswari, "Signal Recovery for Target Ranging", in proceedings of Signal Processing in Communications, (Indian Institute of Science, Bangalore), 23-24 June 1997.	
ASN Murthy and Dr. K.Raja Rajeswari, "Transformations of Data Sequences using DFT", in proceedings of the national Symposium on Modern Techniques in Electronics and Communication Systems (Visakhapatnam, India), pp. 150-152, 23-24 February 1995.	
ASN Murthy, "Three-Tier Architecture in Networks", in proceedings of the Futuristic Approach for Communications Technologies, (Waltair, India), pp. 65-68, 25-26 February 2000.	
ASN Murthy and Dr. K. Rajarajeswari, "Renewable Energy Sources in India", proceedings in the National Symposium on Renewable Energy Sources in India, (Waltair, India), 24-25 February 1996.	
KV Satyanarayana and ASN Murthy, "Economics of Renewable Energy Source", in proceedings of the National Symposium of Renewable Energy Sources in India, (Visakhapatnam, India), 24-25 February 1996.	
Awards & Honours	<p>Paper Reviewer (signal Processing): Horizon Research Publishing Corporation, USA</p> <p>SK Run, Runner, organized by BVRIT campus, Narsapur 2019</p> <p>Paper Reviewer (signal Processing): International conferences in ICMEET-2015, GITAM University</p> <p>Felicitation by GITAM University Graduates, 2012</p> <p>Felicitation by KDU University College, Malaysia, 2009</p>

Workshops / Seminars / Conferences / Training Programs Conducted	Talk on "Speech Signal Production and Applications", VEDIC Aznagar, Hyderabad, 4-6th October, 2016
	Talk on "Speech Processing and its Applications", VIT, Bhimavaram, 29th February, 2016
	Chair person- VALIANT-2K 16, VIT Bhimavaram, 28th to 29th February, 2016
	Co-Chairperson, Digital signal processing in NCACT-14, GU, Vizag, 14th-15th February, 2014
	Workshop organized on Digital Signal Processors, KDU University College, April 2006, Malaysia
	Workshop organized on Text to Speech, KDU University College, March 2005, Malaysia
	Workshop organized on Matlab Programming, KDU University College, May 2004, Malaysia.
	In-house MATLAB programming conducted for students and staff at KDU College, Malaysia
	Engineering club adviser for students at KDU Sibul College, West Malaysia
	Industrial tour organized for students-Radio and TV broadcasting stations- Malaysia
	Industrial tour organized for students -ASTRO TV and Satellite Broadcasting stations (MESAT) - Malaysia
	Leadership camp organized for students-Genting highlands- Malaysia
Workshops / Seminars / Conferences / Training Programs Attended	Attended to webinar on " Laplace Transform and its Applications", MRITS, Hyderabad, 22-6-2020.
	Attended to webinar on " STTP-An emerging paradigm on low power computational VLSI design", MiraFra Technologies", Hyderabad, 20-6-2020
	Attended to webinar on "Virtual Labs ad Projects using simulations", BVRITH, June 26, 2020
	Attended to the webinar on "Whiteboarding Tools and Digital pens for content generation" presented by SVECW ECE faculty, June 24th 2020.
	Attended the webinar on STTP on Radar Signal Processing and IoT Applications (on-line) by Dr SV Srikanth C-DAC, Hyderabad, organized by BVRITN, 18th to 20th June 2020
	Participated in workshop in speech and audio signal processing, 8-10th January 2020, IIT Mandi, Himachal Pradesh, India.
	Participated in workshop in Machine Learning in Speech Processing, 12-19 November 2018, NIT Warangal, Telangana
	Participated in workshop on Emotional Intelligence and giving & receiving feedback, 10-11 January 2017 at Vishnu Educational & Innovation Center (VEDIC), Aznagar Hyderabad
	Participated in the Sensitization workshop on "National Science and Technology Information System and Policy held during October 12th-13th, 2017 at SRIIT, RR Dist. Telangana
	Participated in Workshop on Image and Speech Processing, Saturday 24th December 2016, organized by IIIT & BITS, Hyderabad.
	Participated in workshop on Scientific Educational Practices, 4-6 October 2015, Vishnu Educational & Innovation Center, Hyderabad.
	Co-Chair for Digital Signal Processing session in National Conference in Advanced Communication Technologies (NCACT14) GITAM University, 14-15 February 2014
	Participated in Winter School on Speech and Audio Processing, 17-20 January 2014, IIIT-Hyderabad, India.
Participated in Workshop on Image and Speech Processing (WISP-2012), 17 December, 2012, IIIT Hyderabad.	
Chair for Digital Signal Processing session in National Conference in Communication Technologies, (NCACT 2012), GITAM University, 9-10 January 2012	
Participated in Winter School on Speech and Audio Processing, Indian Institute of Technology (IIT), Guwahati, 8-11 January 2011.	
Participated in ISTE summer school, Short term course on "Computers in Process Control" Pondicherry University, Pondicherry, June 1995, India	