



Dr. K. Nagi Reddy

Professor of ECE

NBKR Institute of Science & Technology

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1.EDUCATION

- **Ph.D.**, S.V .University, Tirupati (2013)
- **M.Tech** , Digital Systems & Computer Electronics – JNT.University, Hyderabad (2001)
- **AMIETE**, Institution of Electronics & Telecommunication Engineers. (1996)

2.EXPERIENCE :

➤ **Teaching**

Name of the organization	Designation	From	To
N.B.K.R.I.S.T., Vidyanagar Nellore (Dt.)	Professor	01-06-2013	Till Date
N.B.K.R.I.S.T., Vidyanagar Nellore (Dt.)	Associate professor	01.05.2006	31-05-2013
N.B.K.R.I.S.T., Vidyanagar Nellore (Dt.)	Assistant Professor	01.06.2002	30.04.2006
C.B.I.T, Gandipet,Hyd	Assistant professor	30.04.2001	31.05.2002
M.V.S.R.Engg. College, Hyd.	Lecturer	03.11.2000	29.04.2001
Vasavi Polytechnic, Banagana Palli	Associate Lecturer	05.11.1997	30.04.1999
K.L.,Institute of Technology,Vijayawada	Lecturer	01.07.1996	31.10.1997

➤ **Administrative Experience :**

1. Worked as warden for boys hostel for 6 years
2. 1 year as a Controller of Examinations
3. 10 years as IEEE in charge
4. 4 years as Department association in charge

3. Courses Attended

1. 17 day Workshop on V.L.S.I Design and its applications at J.N.T.U. Hyderabad. 2004
2. 12 days' Workshop on DSP and its applications in S.S.N college of Engineering and Technology, Chennai. 2004
3. 2 Week FDP on DBMS being organized by IIT Bombay in May 2013
4. 2 Week FDP on Analog Electronics being organized by IIT Kanpur, June 2013
5. 2 Week AICTE Sponsored FDP on computer communication and spread spectrum Techniques at NBKR Institute of Science & Technology, Vidyangar from 27-05-2015 to 09-06-2015

4. Workshops/Conferences conducted:

1. Conducted One week AICTE-ISTE Sponsored STTP on Advanced Signal Processing and Applications from 5th May to 9th May 2008.
2. Conducted 3 days AICTE-ISTE Sponsored Faculty Awareness Camp on Entrepreneurship. May 2008
3. Conducted two weeks AICTE Sponsored FDP on Advanced Signal & Image Processing Techniques, August 2013

5. Research Papers Published in National /International Journals :

1. K.Nagi Reddy, S.Narayana Reddy, "Non-Parametric Methods for Power Spectral Estimation of Signals in Noise", International Journal of Engineering & Technology volume-1, number-1, September 2008.

2 K.Nagi Reddy, S.Narayana Reddy, ASR Reddy, “Parametric Methods of Spectral Estimation of MST Radar Data” IUP Journal of Telecommunications, Vol. II, No. 3, Sept-2010.

3 K.Nagi Reddy, S.Narayana Reddy, A.S.R.Reddy “Significance of Complex Group Delay Functions In Spectrum Estimation” Signal & Image Processing : An International Journal(SIPIJ) Vol.2, No.1, March 2011.

4 K.Nagi Reddy, ASR Reddy, S.Narayana Reddy,” Comparative analysis of Non-Parametric Methods of Spectrum Estimation for MST Radar Signals”, Research Journal of Engineering and Technology (An international). Pp.31-42,Vol.4, Issue.4,October-december 2011.

5 A S R Reddy, K. Nagi Reddy , S.Narayana Reddy, “Complex group delay Function and its Derivatives for Spectrum Estimation of MST Radar signals ”Journal of innovation in Electronics & Communication PP:158-162, January 2012.

6 K. Deepthi Chaitanya, Dr. K. Nagi Reddy, “Vehicle Verification Based on LG Filters”, International Journal of Innovative Research & Development, ISSN 2278 – 0211,pp-504-508 ,Volume 3, Issue 6, June 2014.

7 Dr.K.Nagi Reddy, “Adaptive Equalization of binary encoded signals Using LMS Algorithm”, SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE) – volume1 issue7 Sep 2014, ISSN: 2348 – 8549.

8 Dr. K. Nagi Reddy, Haneesha, K., Bharathi, K. K., Rasool, M., Surendra, M. & Adarsh, M. (2015). Group Delay Spectrum Estimation Method of Improvement of SNR for MST Radar Data. *IJECCE*, 6(2), pp.252-254. Volume 6, Issue 2, ISSN (Online): 2249–071X March 2015

9 Dr.K.Nagi Reddy, Sreelekha.D , Sreenu.A, C.Tousif , M. Mohan,S Poorna saie “Modified Product Group delay Spectral Estimation Using Auto-Regressive (AR) Model” International Journal of Engineering and Technical Research (IJETR) ISSN: 2321-0869, Pp:201-205,Volume-3, Issue-3, March 2015

10 M.N.Sravani Reddy, K.Nagi Reddy “ Obtaining Efficiency in Delay and Area by Using DLMS Adaptive Filter” International Journal of Advanced and Innovative Research (2278-7844) / # 160 / Volume 4 Issue 7,PP-160-165,July 2015

- 11 M. Poojitha, V. Sushma Priyadarshini, N. Neelima, Dr. K. Nagi Reddy” **Design of Octal to Binary Encoder using QCA**” International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181,pp.451-455, Vol. 4 Issue 10, October-2015
- 12 Nandini.G, K.Nagi Reddy” Implementation of SDC using I2C multi master-multi slave With wishbone signal” i-manager’s Journal on Communication Engineering and Systems, Vol. 5 , No. 3 , May - July 2016.

Papers Published in National /International Conferences

- 1 K. Nagi Reddy, P.Jagadambha, S.Narayana Reddy ,” Design and Implementation of FIR filters using Windowing Techniques” .National conference on Radar Technology & Signal processing, S.V.University,Tirupati,24-25 July 2006
- 2 K.Nagi Reddy, S.Narayana Reddy, ASR Reddy, “Adaptive Techniques for Spectrum Estimation”. National conference on emerging Trends in ECE, JNT. University, Ananthapur, 23 June2007.
- 3 K.Nagi Reddy, S.Narayana Reddy ,”Parametric methods for spectral estimation”, National conference on emerging Trends in Mechatronics & Instrumentation, S.V.University,Tirupati,29-30 June 2007.
- 4 K.Nagi Reddy, S.Narayana Reddy, "Non-Parametric Methods for Power Spectrum Estimation” National conference on emerging Trends in Mechatronics & Instrumentation, S.V.University,Tirupati,29-30 June 2007.
- 5 K.Nagi Reddy, S.Narayana Reddy, “Spectrum Estimation of Unevenly Sampled Non-stationary Data” International conference on Trends in Intelligent Electronic Systems, Sathyabama University,Chennai,12-14 November 2007.
- 6 K.Nagi Reddy, S.Narayana Reddy, P.Mohanaiah “Combined Geometric and Algebraic Averaging for Power Spectral Estimation”, National Conference on Signal Processing & Communication Systems, 20-21 February 2008.
- 7 K.Nagi Reddy, S.Narayana Reddy, “Non-Parametric Methods for Power Spectral Estimation of Signals in Noise” International Conference on Emerging Techniques in Computing, Electronics, Embedded Systems and VLSI Design, Padmashri Dr. V Vikhe Patil College of Engineering, Ahmednagar during 20,21 March 2008
- 8 K.Nagi Reddy “Noise and Echo Cancellation Using LMS Algorithm” The National Conference On RF Wireless Communication & Signal Processing Being Organized By Bapatla Engineering College(Autonomous) Bapatla 17-18 November 2014.
- 9 Dr.K.Nagi Reddy K.Haneesha , K.Krishna Bharathi Md.Rasool ,M.Surendra “Parametric Spectral Analysis by Variable Window” The National Conference on RF

Wireless communication & Signal Processing Being Organized By Bapatla Engineering College(Autonomous) Bapatla 17-18 November 2014.

- 10 G.Nagarjuna Reddy,L.Guru kumar, K.Nagi Reddy, Maruthu perumal Reduction of spackle noise in medical imaging using wavelet multilevel decomposition 2nd IEEE international conference on human computer interaction organized by saveetha university,chennai 10-11 march 2016.
- 11 *K Raju, Nagireddy K, Sireesha R* “Design of RF CMOS active mixers for WLAN applications” *IEEE* International Conference on Inventive Computation Technologies (ICICT 2016) , 26 - 27, August 2016, pp:770-774 organized by RVS Technical Campus, Coimbatore

Guest lecturers:

1. A lecture delivered on Signals & Systems at Vishnavi Institute of Science & Technology August 2008
2. A lecture delivered on MATLAB for Civil Engineers in AICTE sponsored FDP at NBKR IST in 2009
3. A lecture delivered on Wireless Communications in AICTE sponsored FDP at NBKR IST in April 2015
4. A lecture delivered on MATLAB to Engineering problems in 2 day FDP at Annamacharya Institute of Science and Technology , Tirupati in Nov’2015.
5. A lecture delivered on Internet Of Things Challenges & Opportunities in a Three Day Residential Training Programme on “**Internet of Things** during 19th to 21st December 2016 at **BhagavanSri VenkaiahSwamyAshramam, Golagamudi, Nellore.**

Awards

Received a best paper award in national Conference on Emerging trends in Communications & Signal processing Techniques organized by S.V university, tirupati in January 2012 for paper entitles in national conference Complex group delay Function and its Derivatives for Spectrum Estimation of MST Radar signals.

I hereby declare that all the information above is true and correct up to my knowledge.

Dr.K. Nagi Reddy