

PROFORMA FOR TEACHING STAFF PROFILE



1. Name : Dr. K. Satya Prasad
2. Designation : Professor
3. Department : Electronics & Communication
Engineering
4. Date of Birth : 5th August 1955
5. Date of Joining JNTU Service : 21st January 1980
6. Residential Address : 70-17-10/1, R. R. Nagar
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7. Phone No. Mobile: 9912240855 Res:0884-2358264 Office:0884-2300863
8. Mail-id : prasad_kodati@yahoo.co.in
9. Blood Group : B
10. Qualification : B.Tech., M.E., Ph.D.,
11. Experience :
 - a) Teaching : 28 years
 - b) R & D : 20 years
 - c) Industrial : Six Months
12. Field of specialization : Signal Processing &
Communications
13. Subjects of interest (teaching) : Signals & Systems, Communications
Digital Signal Processing, Radar,
Telemetry
14. No. of Scholars :
 - a) Awarded with Ph.D. : 03
 - b) Working for Ph.D. : 10
15. No. of M.Tech. Projects guided : 10
16. Awards received : ---

17. Titles of books authored : Electronic Devices and Circuits
18. Membership of Professional bodies : L.M.I.S.T.E., F.I.E., F.I.E.T.E.,
19. Member Curriculum development Bodies (such as BOS) : Chairman, Board of Studies, JNTU, Hyderabad for EIE etc., Member, Board of Studies, ECE, GPR College of Engineering, Kurnool.
20. Any other distinctions : Head of ECE dept. from January 1997 to September 2003
Vice-Principal, JNTUCEK from October 2003 to May 2005
Principal, JNTUCEK from May 2005 to June 2007
21. No. of Conferences/Workshops organized as Coordinator/Chairman (enclose the list) : 08
22. Publications (enclose the list in the given order)
- I. Journals
- a) Nationals : 05
- b) International : 12
- II. Conferences
- a) Nationals : 22
- b) International : 19
23. Course/Conference attended (enclose the list)
- a) Refresher courses : 07
- b) Orientation courses : ---
- c) Conferences : 01
24. R & D Projects : 01
25. Countries visited on academic activity : ---

Research papers Published:

International Journals:

1. K. S. Prasad and C. Eswaran "On the sensitivity of driving point function based WDF", Electronics Letter , January, 1987
2. K.S. Prasad and C Eswaran "On the stop band sensitivity of digital filters", IEEE Transactions on Circuits & Systems, May, 1987.
3. K.S.Prasad and C Eswaran "Limit Cycle Free Complex Biquad Recursive Digital Filters", IEEE Transactions on Circuits & Systems, February, 1989.
4. K. S. Prasad and C. Eswaran "Constant Input Stability and Multiple Output Realization of GIC filters", IEEE Transactions on Circuits & Systems, March, 1989.
5. K.S.Prasad, C.Eswaran and A. Antoniou "New First Order Complex Digital Filter Sections and Their Applications for the Realization of IIR filters", Journal of Circuits, Systems, Computers, September, 1993.
6. K.S. Prasad, C. Eswaran and A. Antoniou "Realisation of Complex Digital Filters based on the Concept of the Generalized Immitance Converter", Canadian Journal of Electronics & Computer Engineering, April, 1994.
7. K Manjunathachari and K Satya Prasad, "Modelling and Simulation of Parallel Processing Architecture for Image Processing", Journal of Theoretical and Applied Information Technology, 2005.
8. M.V. Subramanyam and K Satya Prasad, "Quantitative Analysis of An Adhoc Wireless Networks", Asian journal of Information Technology, Vol5,No.5, pp 491-496, May, 2006.
9. MV Subramanyam and K Satya Prasad, "Delay Efficient Algorithm for Adhoc Wireless Networks", Information Technology Journal, Vol.5 No.5, 2006.
10. MV Subramanyam and K Satya Prasad "Proposal of an Efficient Topology for Performance Enhancement in terms of Power Consumption and Life time Wireless Networks", WSEAS Computer Transaction, June 2006.
- .
11. Anitha Sheela, K Satya Prasad and M Madhavi Latha, "Musical Noise Removal of Enhanced Speech Using Hray Level Values of Spectrogram Plots", ECTI Transactions on Electrical Engineering, Electronics and Communications, Vol5 No.2 August, 2007.
12. K Anitha Sheela, and K Satya Prasad, "Linear Discriminant Analysis F-Ratio for Optimization of TESPAP & MFCC Features for Speaker Recognition", Journal of Multimedia pp.34-43, Vol.2, No.6, November 2007.

National Journals

1. T Jayachandra Prasad, K Satya Prasad and G R Reddy, "Algorithm for Evaluating Multiplier Coefficients of Wave Digital Filters" Institute of Engineers (India) Journal, Vol.78, pp 34-38, September,1997.
2. MV Subramanyam and K Satya Prasad, "A Proposed Topology for Reduction of Power Consumption in Adhoc Wireless Networks", Journal on Engineering and Technology, Vol.1, No.4, pp 19-24, May 2006.
3. T S Savitri and K S Prasad, "Comparison of Images Based on LSMSE", Institute of Engineers (India) Journal CP, Vol.88, May2007.
4. MV Subramanyam and K Satya Prasad, "Effect of Selfish Nodes in a MARI Topology Based Adhoc Wireless Networks- A Proposed Solution", I-Manager's Journal on Software Engineering, Vol.1, No.4, April-June, 2007.
5. T Satya Savitri and K Satya Prasad "Denoising of Images Using Mean Value, Thresholding and Wavelets", Journal 'SADHANA' to be published.

International Conferences:

1. K. Satya Prasad, T.J.C. Prasad and G.R. Reddy "Significance of Relation function and Group delay functions in Spectrum estimation of Analytical Signals", DAMS 2003, Proceedings of the International Conference on Digital Aided Modelling And Simulation (an evolutionary approach for optimization) 6-8 January 2003 Coimbatore Institute of Technology, Coimbatore, PP 73.
2. K. Satya Prasad, T.J.C. Prasad and G.R. Reddy "Spectrum Estimation of Complex Signal using relation function" International Conference on wireless communication Networks Scheduled for 27th-28th June, 2003 at Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Tamil Nadu.
3. T Satya Savitri and K Satya Prasad, "Blind Deconvolution in Image Restoration" presented at International Conference ICET, KIIT, Bhubaneswar, December, 2003.
4. MV Subramanyam and K Satya Prasad, "Adaptive Congestion Control in ATM Networks – A Neural Model", International Conference on Systems Cybernetics and Informatics, Pentagram Research Centre, Hyderabad, February, 2004.
5. D. Satyanarayana, K Satya Prasad and M V Subramanyam, "Signal Processing Robust Power Spectrum Estimation Methods", International Conference on Systems, Cybernetics and Information (ICSCI), Pentagram Research Centre, Hyderabad, February, 2004.
6. D. Satyanarayana and K Satya Prasad, "Signal Processing Robust Power Spectrum Estimation Methods", French International conference, ICN-04, 2004.
7. T Satya Savitri and K Satya Prasad, "Denoising of Images Using Bivariate Shrinkage", presented at International Conference BET at AUCE, Visakhapatnam, December, 2004.

8. G Sudha Vani & K Satya Prasad, "Image Compression with ART1 Neural Network", presented at International Conference BET at AUCE, Visakhapatnam, December, 2004.
9. D. Satyanarayana and K Satya Prasad, "Robust Methods in LPA Using Power Spectrum Estimation of Envelope of Speech Signal", PCEA-IFTOMM International Conference (PICA2006), Priyadarsini College of Engineering Nagpur, April, 2006.
10. MV Subramanyam and K Satya Prasad, "Performance Enhancement in Adhoc Wireless Networks", International Conference (PICA2006) on Recent Trends in Automation and its Adaptation to Industries, Nagpur, July 2006.
11. S Nagarajaro, K. Satya Prasad, K Manjunathachari and M.N. Giriprasad, "Efficient Compression of Color Images Using Wavelets by Implementing the Higher Precision CSF", presented at PCEA-IFTOMM International Conference PICA-2006 on Recent Trends in Automation and Its Adaptation to Industries, Priyadarsini College of Engineering and Architecture Nagpur, July 2006.
12. K Manjunathachari, K Satya Prasad, D R Srinivas and S Nagarajaro, "Implementation of Bucket Processing for Image Processing", presented at first International Conference on Frontier Technologies, Need for the Industry, Business and Education, Adhiyaman College of Engineering, Chennai, September, 2006.
13. K Manjunathachari K Satya Prasad, et.al., "Bilateral Filtering: A Fast Image/Video Preprocessing", presented at first International Conference on Frontier Technologies, need for the industry, Business and Education, Adhiyaman College of Engineering, Chennai, September, 2006.
14. K Manjunathachari and K Satya Prasad, "Implementation of Image Processing Operations Using Simultaneous Multithreading and Buffer Processing", presented at ICGST International Conference on Graphics, Vision and Image processing (GVIP) Vol.6, issue 3, pp 47-53, December, 2006.
15. K Anitha Sheela, K. Satya Prasad, Ch V Ramarao and AVN Tilak "A Noise Reduction Preprocessor for Mobile Voice Communication Using Perceptually Weighted Special Subtraction Method", International Conference OBCOM 2006 at Vellore Institute of Technology, Vellore, December. 2006.
16. PV Naganjaneyulu and K Satya Prasad, "An Adaptive Blind Channel Estimation for OFDM Wireless Communication Systems by Improved H-infinity Approach", presented at International Conference on Advanced Communication Systems, ICACS-2007 AT gct Coimbatore, January, 2007.
17. K Satya Prasad K Anitha Sheela and M Madhavi Latha "Password Secured Speaker Recognition Using Time and Frequency Domain features", International conference IASTED, Austria Feb. 2007.
18. K Anitha Sheela, K Satya Prasad and M Sridevi, "Optimization of TESPAP Features Using Robust F-Ratio for Speaker Recognition", International Conference IEEE-ICSCN 2007 MIT Chennai, February, 2007.

19. D Satyanarayana, K Satya Prasad and T J C Prasad, "Quality Assessment of Efficient LP Analysis Methods", International Conference on Computational Intelligence and Multimedia Applications, July 2007.

National Conferences

1. T Jayachandra Prasad, K. Satya Prasad and G R Reddy "Application of Transducers in Environmental Quality Monitoring", National Symposium on Instrumentation, conducted by Instrumentation society of India, Bangalore at SV University Tirupathi, 9th-12th January 1994.
2. T Jayachandra Prasad, K. Satya Prasad and G R Reddy, "Sustainable Development Through Energy Planning for 2000AD" 10th National Convention for Electrical Engineers, Institution of Engineers State Center, Patna, Bihar, 16th – 18th September, 1994.
3. K. Satya Prasad, K.S.R. Anjaneyulu and G. Kalyana Chakravarthi "Applied Neural Networks for Moving Target Detection", Conference Proceeding FANATIC-99, Regional Engineering College, Warangal.
4. T Satya Savitri and K Satya Prasad "Wiener Filter for Image Restoration", presented at National conference MNIC, JNT University, College of Engineering, Anantapur, 21st December 2002.
5. K. Satya Prasad, T.J.C. Prasad and G.R. Reddy, "Properties of Relation Function" Sixth user Scientist's workshop 26-27 February 2003 MST Radar Center, Gadanki, Tirupathi.
6. K. Satya Prasad, T.J.C. Prasad and G.R. Reddy, "Analysis of Atmospheric signals using relation function and Group delay functions" Sixth user Scientist's workshop 26-27 February 2003 MST Radar Center, Gadanki, Tirupathi
7. K. Satya Prasad, T.J.C. Prasad and G.R. Reddy, "Algorithm for the analysis of a Atmospheric Signals Using Relation Function and Group Delay Functions", NCSAES – National Conference on Software Agent and Embedded Systems 11-12th July, 2003 at Sri Ramakrishna Engineering College, Coimbatore.
8. K. Satya Prasad, T.J.C. Prasad and G.R. Reddy "Relation function and it's Implications on Complex Noise", NCSAES – National Conference on Software Agent and Embedded Systems Scheduled for 11-12th July, 2003 at Sri Ramakrishna Engineering College, Coimbatore.
9. Satyanarayana and K Satya Prasad, "Power Spectral Density Based Channel Equalization of Large Speech Data Base for Concatenate TTS System", National Conference, RGM College of Engineering & Technology, Nandyal Vol.No.9, 19th September, 2003.
10. K. Satya Prasad, T.J.C. Prasad and G.R. Reddy, "Relation function for the estimation of first and second order dynamical", VIROHA, National Conference on Communication

- Technologies in Medical Sciences, Vellore Institute of Technology, Vellore, T.N. December 12-13, 2003, pp 163-167.
11. K. Satya Prasad, B. Karuna Kumar and M.N. Giri Prasad “Fast scan Macro Test”, National Conference on Innovation in Information and Communication Technology (NCIICT-2003) PSG College of Technology, Coimbatore.
 12. T Satya Savitri and K Satya Prasad, “Removal of Salt and Pepper Noise in Degraded Images”, presented National Conference NCITCSE, RGM College of Engineering & Technology, Nandyal, February, 2004.
 13. T Satya Savitri and K Satya Prasad, “Denoising of Images Using Wavelets”, presented at National conference NCMTA at KITS, COIMBATORE, July, 2004.
 14. MV Subramanyam and K Satya Prasad, “Satellite ATM Network Architectural Consideration and TCP/IP Performance”, National conference on SSI-04, RGM College of Engineering & Technology, Nandyal, pp 19-34, September, 2004.
 15. D. Satyanarayana and K Satya Prasad, “SAR Image Compression Based on the Discrete Wavelet Transform”, Department of ECE , RGM College of Engineering & Technology, Nandyal, pp. 45-53, September, 2004.
 16. T Satya Savitri and K Satya Prasad, “Image Restoration by Wiener Filter and Iterative Blind Deconvolution”, presented at National conference CISCON at MIT, Karnataka, November, 2004.
 17. K Anitha Sheela, K Satya Prasad and Ch R Nageswararao, “Robust Face Recognition in Varying Illumination”, presented at National conference on Advances in Image Processing and Robotics, ADIPRO at MIT Chennai, February, 2005.
 18. Anitha Sheela, K Satya Prasad and Ch R Nageswararao, “Blind Signal Separation for FMRI’s”, National conference on Image Processing, IEEE (Signal Processing Society) at Bangalore, March, 2005.
 19. K Satya Prasad, K Padma Raju, K Anitha Sheela and G Swamy, “Text Dependent Isolated Word Speaker Recognition Using Neural Network”, National conference on Bio-Medical and Process Instrumentation (BINCON), March, 2005, at Hyderabad.
 20. Manjunathachari, K.Satya Prasad and M. Suresh, “Parallel Image Processing Using Object Oriented Approach and Parallel Processing” presented at National conference TICAE’06, Satyabhama Institute of Science and Technology, Chennai, March, 2006.
 21. Manjunathachari, K Satya Prasad and C Mohanarao, “Heterogeneous Parallel Processor Image Processing” presented at National conference on Intelligent Instrumentation, Dayanand Sagar college of Engineering, Bangalore, April, 2006.
 22. K Anitha Sheela and K Satya Prasad, “Less Computational Complex Method for Estimation of Non-Stationary Noise in Speech Using Low frequency Regions for Power Spectral Subtraction”, National conference on Communications (NCC2007) IIT Kanpur, January, 2007.

. R & D Project

Creation of Infrastructural facilities for research in Digital Signal Processing in ECE Department, JNTU College of Engg., Anantapur, Rs. 10 Lakhs sanctioned by Ministry of Human Resources and Development, Government of India.

Short Term Training Programmes attended:

1. “Modern Trends in Communications”, organized by Indian Institute of Technology, Delhi, during 5th-17th May, 1980.
2. “Electronics Instrumentation & Digital Signal Processing”, organized by Regional Engineering College, Warangal, during 8th-27th June, 1981.
3. “Digital Signal Processing”, organized by Regional Engineering College, Warangal, during 3rd-16th June, 1982.
4. “Intensive Course on Wave Digital Filters”, organized by Osmania University, Hyderabad, during 7th-9th January, 1986.
5. “Telematics”, organized by Indian Institute of Science, Bangalore, during 12th-20th August, 1991.
6. “Mobile Radio communication Networks”, organized by Indian Institute of Technology, Kanpur, during 25th October – 4th November, 1999.
7. “VLSI System Design”, organized by Regional Engineering College, Warangal, during 23rd July – 4th August, 2001.

Seminars/ Symposia/ Training programmes organized:

1. A 3-day workshop on “Advanced topics in Digital Signal Processing” during 7th-9th March, 1990.
2. A 4-week ISTE course on “Computer Software”, during 17th January-11th February, 1993.
3. A 3-day ISTE seminar on “Induction Training for Teachers” during April, 1993.
4. A 10-week Computer Programming course, during 21st February to 30th April, 1994.
5. A 2-week Summer School on “Signals and Systems” during 9th-21st May, 1994.
6. A 3-day ISTE-CIICP Programme on “Institutional Management”, during 15th-17th July, 1994.
7. APOGEE’98, National level students Technical Symposium, 11th April`98
8. APOGEE’99, National level students Technical Symposium, 23rd Dec.`99