RESUME

Dr. GEETHA DEVI APPARI

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Objective

To Work in a Good Educational Institute which helps me to unleash my potential and make my passion for teaching work for me and serve others. I would like to seek for job where my present abilities and ideas can be fully utilized as well as the working conditions help to reveal out my hidden skills and sharpen my knowledge to perform my best.

Professional Experience (15 YEARS)

- Working as an Associate Professor in the dept. of ECE of PVP Siddhartha Institute of Technology, Vijayawada from 14th June 2017 to till date
- Worked as an Associate Professor in the dept. of ECE of VR Siddhartha Engineering College, Vijayawada from 1st October 2016 to 13th June 2017.
- Worked as an Associate Professor in the dept. of ECE of PVP Siddhartha Institute of Technology, Vijayawada from 26th April 2012 to30^{th} September 2016 .
- Worked as an Associate Professor in the dept. of ECE of Shri Vishnu Engineering College for Women, Bhimavaram from 1st October 2010 to 25th April 2012.
- Worked as Assistant Professor(Sr.Scale) in the dept. of ECE of Shri Vishnu Engineering College for Women, Bhimavaram from 7th June 2007 to 30th September 2010.
- Worked as Assistant Professor in CVR College of Engineering, Hyderabad during 13th June 2005 to 31st May2007.
- Worked as Assistant Professor in S.R.K.R. Engineering College, Bhimavaram, during 5th July 2004 to 11th June 2005.

Education

- **Ph.D.** in Electronics and Communication Engineering at JNTU, Hyderabad in April 2016
- **M.Tech (ECE)** at Pondicherry Engg.,College ,Pondicherry, affiliated to Pondicherry University, with a CGPA of **8.48** in June **2004**.

- **B.E(ECE)** at SRKR Engineering College, Bhimavaram, with an aggregate percentage of **66.89** in April **2002**.

- **Diploma(E.C.E.)** at Govt., Polytechnic for Women, Kakinada with an aggregate percentage of **77.48** in April **1999.**

- **SSC** passed with a percentage of **86.67** in March **1996**

- Secured **94.46** percentile in **GATE-2002.**

- Cleared **Certified LabVIEW Associate Developer (CLAD) Exam in July 2017**

Subjects Handled

UG:
- Probability Theory and Stochastic Process
- Digital image processing
- Analog communication
- Linear and digital IC applications
- Cellular and mobile Communications
- Wireless Communications
- Digital Communications
- Digital signal processing

PG:
- Digital Data Communications
- Network Security and Cryptography
- Coding Theory and Practice

Publications

International Journal:

[1]. **A.Geetha Devi,** T. Madhu B. Surya Prasada Rao, "A Fuzzy Rule based Framework for Super Resolution Reconstruction", International Journal of Emerging Technologies and Innovative Research (ISSN:2349-5162), Vol .5 Issue 11, Nov 2018, PP-222-231

[2]. **A.Geetha Devi,** B. Surya Prasada Rao, T. Madhu, K. Lal Kishore "A Method of Super Resolution Reconstruction for Surveillance Images using Fuzzy Interpolation", International Journal of Research and Analytical Reviews (IJRAR) , Vol .5 Issue 11, Nov 2018, PP-103-109

[3]. Balaji Tata Surya Prasada Rao Borra**A.Geetha Devi,** "Principal Component Analysis Based Super Resolution Reconstruction", Journal of Emerging Technologies and Innovative Research (JETIR) , Vol .5 Issue 11, Nov 2018, PP-577-582

[4]. **A.Geetha Devi,**Balaji Tata Surya Prasada Rao Borra**,** "Encryption and Decryption of text files using LabVIEW", International Journal of Research in Electronics & Computer Engineering, Vol .6 Issue 3, Nov 2018, PP-1933-1939

[5]. Lukka Sirisha, **A.Geetha Devi**, B. Surya Prasada Rao, "An Effective Method of Denoising of 2-D Data Using Adaptive Kernel Bilateral Filter", International Journal of Scientific & Engineering Research(IJSER) , Volume 7, Issue 11, November-2016 pp: 565-570. ISSN 2229-5518 **(Thomson & Reuters Indexed).**

[6]. T.V. Hyma Lakshmi, T.Madhu, K.Ch. Sri Kavya, **A.Geetha Devi,** "Image Resolution and Contrast Enhancement Using Wavelet Transforms and Contrast Limited Adaptive Histogram Equalization" International Journal of Computer Science and Information Security(IJCSIS), Vol14. No.9,2016. .pp 969-981**(Thomson & Reuters Indexed).**

[7]. **A.Geetha Devi**, T.Madhu, K.Lal Kishore, "An Improved Super Resolution Image Reconstruction using SVD based Fusion and Blind Deconvolution techniques" International Journal of Signal Processing, Image Processing and Pattern Recognition Vol.7, No.1, 2014, pp.283-298. http://dx.doi.org/10.14257/ijsip.2014.7.1.27

[8]. **A.Geetha Devi** and K.Tejaswini," A Novel Hybrid Algorithm for Tracking and Super Resolution Enhancement of a Moving Object", International Journal of Emerging Trends in Electrical and Electronics (IJETEE – ISSN: 2320-9569) Vol. 10, Issue. 10, Oct. 2014.

[9]. **A.Geetha Devi**, T.Madhu, K.Lal Kishore, "Detection, Tracking and Identification of Moving Objects in a Video using Super Resolution - A Novel Approach", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 3, 2015, pp. 5471-5487 **(Indexed by Scopus).**

[10]. **Geetha Devi. A,** Madhu.T, Lal Kishore.K, "Super Resolution Reconstruction of Multiple Low Resolution Images Degraded by Impulsive Noise", *Discovery*, 2015, Vol. 29(113), PP: 144-151

[11]. **A.Geetha Devi**, T.Madhu, K.Lal Kishore, "Super Resolution Reconstruction in Mixed Noise Environment", International Journal of Computer Applications (0975 – 8887), volume 121, No.12, July 2015, PP: 33-41.

[12]. **A.Geetha Devi**, T.Madhu, K.Lal Kishore, " A Novel super resolution algorithm based on Fuzzy Bicubic interpolation", International journal of

signal processing, Image processing and pattern recognition, Vol.8, No.8 (2015), pp.283-298 http: //dx.doi.org/ 10.14257/ ijsip . 2015 .8.8.30 2015.

[13]. A Swapna, **A.Geetha Devi**, "A Comparison and Matching Point Extraction of SIFT and ISIFT" International Journal of Computer Technology & Applications,Vol 4 (6), 2013 pp:1026-1033

[14]. K.Krishnaveni, **A.Geetha Devi,** " A Lossless cache compression algorithm for parallel
compression of multiple words and to reduce Decompression Overhead",International Journal of Electronics and Communication Technology,Vol.II.sp-1,pp:137-139.December, 2011

International Conferences:

[1]. **A.Geetha Devi,** J. Nikhitha E. PallaviSanthoshi, N. Lakshmi Manasa "Smart Irrigation System for Agricultural Field", International Conference on Recent advances in Computer science & Engineering, Acharya Nagarjuna University, Nambur, Guntur, March 2018, PP-119-123

[2]. T.V. Hyma Lakshmi, T.Madhu, K.Ch. Sri Kavya, **A.Geetha Devi,** "Image enhancement Technique using Lifting and Stationary Wavelet Transforms and Contrast limited adaptive histogram equalization", International conference on advances in the field of health, safety, fire, environment, allied sciences and Engineering (HSFEA 2016), November 18-19, 2016, UPES, Dehradun

[3]. **A.Geetha Devi,** T.Madhu, K.Lal kishore, " A Primitive solution of Super Resolution" Proceedings of ObCom 2011, paper approval, Part II, Springer CCIS 270 page.270.

[4]. **A.Geetha Devi,** T.Madhu, K.Lal kishore, "Moving Target Identification Using Wiener Based Image Registration Techniques", Proc., of International Conf., on Nanoscience, Engineering an Advanced Computing(ICNEAC-2011), ISBN:978-81-8465-683-1,Narasapur, A.P., India, vol:1pp: 378-383.July 8-10,2011.

[5]. P.Surekha, **A.Geetha Devi, "**FPGA Implementation of an adaptive filter Robust to Impulsive noise", Proc., of International Conf., on Nanoscience, Engineering an Advanced Computing(ICNEAC-2011), ISBN:978-81-8465-683-1, Narasapur, A.P., India, vol:1,pp:202-206. July 8-10,2011.

[6]. B.Surya Prasada Rao ,M.Madhavilatha, **A.Geetha Devi**, and T.Madhu, "Reconstruction of Image using Super Resolution",International Conference on Systematics, cybernetics and Informatics(ICSCI-2008),Hyderabad,India,vol.1,pp:511-514January02-05 2008.

[7]. M.Lalitha Sruthi,**A.Geetha Devi**,"Implementation of AES on FPGA using Application specific instruction Processor"Proc., of Int., Conf., on Computational systems and Communication Technology",ICCST-2010

[8]. G.Divya Rao,**A.Geetha Devi,"**Implementation of 8K-Point FFT Processor by multiplier less Radix 8 FFT architecture"Proc., of Int., Conf., on Computational systems and Communication Technology",ICCST-2010.

[9]. **A.Geetha Devi**, T.Madhu, K.Lal Kishore, "A Hybrid Super Resolution Technique using Adaptive Sharpening Algorithm based on Steering kernel regression for restoration", International Conference on Communication and Network Technologies (ICCNT'14) **IEEE** International Conference on, pp:84-89, Dec.18-19, 2014. DOI:10.1109/CNT.2014.7062730

National Conferences:

[1]. **A.Geetha Devi,** T.Madhu, K.Lal kishore, "Reconstruction of High Resolution Image from a set of Low Resolution Compressed images", Proc., of National Seminar on Signal Processing and Communication Systems,(SPCOMS-2011) Acharya Nagarjuna Univerity, Guntur, India., pp:156-160,1-2 April,2011.

[2]. **A.Geetha Devi,** T.Madhu, K.Lal kishore, "Reconstruction of High Resolution Image from a set of Low Resolution images using Super Resolution", presented at National Conference on Innovation in Communications and Computing (NCICC'11), SNS College of Technology, Coimbatore,India.,10 March 2011.

[3]. B.Surya Prasada Rao ,M.Madhavilatha, **A.Geetha Devi**, and T.Madhu, " Image resolution Enhancement Using Non- Uniform Interpolation Method", proc.,of National Conference on Recent Trends in Modeling, Simulation and Intelligent control of Electrical Systems",Sri Vishnu Engineering College for women ,Bhimavaram, India, 29-30 December 2007.

[4]. **A.Geetha Devi,** T.Madhu, B.Surya Prasada Rao, "Improving Image resolution Using Iterative Back Projection method", proc., of National Conference on Recent Trends in Modeling, Simulation and Intelligent control of Electrical Systems", Sri Vishnu Engineering College for women, Bhimavaram, India, 29-30 December 2007.

Research Grants

❖ University Grants Commission (UGC), New Delhi, India granted a financial assistance of RS. 2,30,000 towards the minor research project entitled, "Recognition of the Moving objects based on Super Resolution Algorithms".

Ref. No.   : F.NO:4-4/2014-15 (MRP-SEM/UGC-SERO)
Sanction Date   : November 2016
Duration   : 2 Years

Professional Memberhips

❖ Life member ISTE
❖ Life member IETE
❖ Life member ISSE

Personal Profile

Date of Birth	:	05-02-1981
Sex	:	Female
Nationality	:	Indian
Marital Status	:	Married
Languages Known	:	English, Telugu, Hindi and Tamil.
Address for Communication	:	w/o B.Surya Prasada Rao
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		Poranki, Vijayawada-52113

Reference

1. Dr.T.Madhu
   PRINCIPAL
   Swarnandhra College of Engineering and Technology, Narasapur
   Cell .No: 9848368054

2. Dr K. Lal Kishore
   Former Vice Chancellor
   JNTUA,Ananthapur.

3. Dr P.Rajesh Kumar
   Prof. & Head
   Dept. of ECE
   PVPSIT, Vijayawada.

Declaration

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

DATE :
Place : Vijayawada   (Dr. A.GEETHA DEVI)