

## **Dr. Y. RAMAKRISHNA**

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### **RESIDENTIAL ADDRESS:**

Dr.Y. Ramakrishna,  
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Kankipadu Post, Krishna Dist., 521151

### **ACADEMIC QUALIFICATIONS:**

Doctor of Philosophy.

Master of Technology in Microwave Engineering.

Bachelor of Engineering in Electronics and Communication Engineering

**ACADEMIC REWARDS / ACHIEVEMENTS:** NIL

### **PROFESSIONAL EXPERIENCE:**

<b>Designation</b>	<b>Institution</b>	<b>Period</b>
Assistant Professor	Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada	01-07-2004 to 28.02.2009
Sr. Assistant Professor	Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada	01-03-2009 to 31.12.2011
Associate Professor	Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada	01-01-2012 to 15-11-2016
Professor	Gudlavalleru Engineering College, Gudlavalleru	16-11-2016 to till on date

**Present Occupation** : **Professor and HoD**  
**Dept. of ECE**  
**Gudlalleru Engineering College,**  
**Gudlalleru– 521 356, Krishna Dt.**  
**Andhra Pradesh, India**

**PROJECTS GUIDED:**

PhD	Post Graduation	Under Graduation
NIL	06	20

**SPECIALIZATION:** Microwave and RF Communications

**BOOKS PUBLISHED:** NIL

**PATENTS PUBLISHED:** 01

- “Magnetic Resonance Coupling Wireless Power Transfer Unit for Implantable Biomedical Devices”, The Patent Office Journal No. 34/2020 Dated 21/08/2020.

**PAPERS PUBLISHED IN JOURNALS: 11**

- Y. Ramakrishna, D. Leelavathi, V.S. Sreenivas and S. Sai Kishore, "Intruder Alert and Security System," International Journal of Research and Analytical Reviews (IJRAR), pp. 469-472, Vol. 6, No. 1, March 2019, ISSN: 2348-1269.
- Y. Ramakrishna, R. Siri Himaja, G. Rohit Singh, T. Kasi Viswanath and A. Kavitha, "Boat Overloading Indicator," International Journal of Research and Analytical Reviews (IJRAR), pp. 333-337, Vol. 6, No. 1, March 2019, ISSN: 2348-1269.
- Y. Ramakrishna, V. Ratna Kumari and P. V. Subbaiah, "A Novel Adaptive Beamforming Algorithm for smart antennas," Book Chapter in Advances in Intelligent Systems and Computing Book Series (AISS, Vol. 898), Springer Singapore, pp. 589-597. doi: [https://doi.org/10.1007/978-981-13-3393-4\\_60/](https://doi.org/10.1007/978-981-13-3393-4_60/) ISBN: 978-981-13-3392-7, Publisher: Springer Singapore.
- G. Kiarn Sowmya and Y. Ramakrishna, “Development of Local Ternary Patterns for Content Based Image Retrieval”, International Journal of Electronics and Communication Engineering, Vol. 11, No. 1, 2018, pp. 23 - 30. ISSN 0974-2166.
- V. S. Sreekanth, Y. Rama Krishna and A. V. V. Prasad, "Simulation and Implementation of Convolution Encoder and Viterbi Decoder", International Journal of Scientific Engineering and Research (IJSER), <http://www.ijser.in/archives/v4i10/v4i10.php>, Volume 4 Issue 10, October 2016, 132 – 137.
- P. Koteswara Rao, Y. Ramakrishna and PV Subbaiah, “Nonlinear Gradient Descent Algorithm for Smart Antennas”, International Journal of innovative Research in Computer Communication Engineering, Vol. 3, No. 9, September 2015, pp. 8779 - 8785. DOI: 10.15680/IJIRCCCE.2015.0309146., ISSN: 2320-9798 (Print), 2320-9801 (Online).

- Y. Ramakrishna, P.V. Subbaiah and B. Prabhakara Rao, “A Novel Hybrid Adaptive Algorithm for Improvement of Mean Square Error Convergence”, *International Journal of Systems, Control and Communications*, Vol. 6, No. 1, June 2014, pp. 59 - 68. DOI: 10.1504/IJSCC.2014.062804. Inderscience Publishers, ISSN: 1755-9340 (Print), 1755-9359 (Online).
- Sadiqua Khan, Y Ramakrishna, Dr P Rajesh Kumar, “Fast Independent Component Analysis Algorithm for Blind separation of Non-Stationary Audio Signal”, *International Journal of Engineering Research and Applications*, Vol. 3, No. 6, December 2013, pp 1367-1371. ISSN: 2248-9622.
- Y. Ramakrishna, P.V. Subbaiah and B. Prabhakara Rao, “A Novel Approach for Hybrid of Adaptive Amplitude Non-linear Gradient Decent (AANGD) and Complex Least Mean Square (CLMS) Algorithms for Smart Antennas”, *International Journal of Wireless and Mobile Networks*, Vol. 5, No. 1, February 2013, pp. 119-126, DOI:10.5121/ijwmn.2013.5110, ISSN: 0975-3834 (online), 0975-4679 (print).
- Y. Ramakrishna, P.V. Subbaiah and B. Prabhakara Rao, “Adaptive Nonlinear Gradient Decent (ANGD) Algorithm for Smart Antennas”, *International Journal of Mobile Network Communications and Telematics*, Vol. 2, No. 6, December 2012, pp. 11-19, DOI :10.5121 /ijmnct. 2012. 2602, ISSN: 1839-5678.
- Y. Ramakrishna, P.V. Subbaiah and V. Ratnakumari, “Analysis of Statistical Path Loss Models for Mobile Communications”, *International Journal of Computer and Network Security*, Vol. 2, No. 10, October 2010, pp. 13-17. ISSN: 2076-2739.

## **PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS: 06**

- Y. Ramakrishna, V. Ratna Kumari and P. V. Subbaiah, "Hybrid adaptive beamforming algorithms for smart antennas," 2017 IEEE 6th International Conference on Computer Applications in Electrical Engineering-Recent Advances (CERA), IIT Roorkee, Oct. 2017, pp. 117-122. doi: 10.1109/CERA. 2017. 8343312.
- Y. Ramakrishna, P.V. Subbaiah and B. Prabhakara Rao, “Heuristic Based Adaptive Step Size CLMS Algorithms for Smart Antennas”, *Proceedings of the Third International Conference on Computer Science, Engineering and Applications (ICCSEA 2013)*, New Delhi, May 2013, pp. 313-320. DOI: 10.5121/ csit.2013.3532, ISSN: 2231-5403.
- Y. Ramakrishna, P.V. Subbaiah and B. Prabhakara Rao, “A Hybrid Model of CLMS and ACLMS Algorithms for Smart Antennas”, *Proceedings of the Fourth International Conference on Networks and Communications (NETCOM 2012)*, Chennai, December, 2012, Springer Lecture Notes in Electrical Engineering 131, pp. 93 – 104, DOI:10.1007/978-1-4614-6154-8\_10. ISSN: 1876-1100 (print), ISSN: 1876 -1119 (electronic).
- Y. Ramakrishna, PESN Krishna Prasad, P.V. Subbaiah and B. Prabhakara Rao, “A Performance Analysis of CLMS and Augmented CLMS Algorithms for Smart Antennas”, *Proceedings of International Workshop on Computer Networks and Communications (CoNeCo 2012)*, Coimbatore, October 2012, pp. 9 – 19, DOI:10.5121/csit.2012.2402, ISSN: 2231-5403 (Online).
- Y. Ramakrishna, P.V. Subbaiah and V. Ratnakumari, “Smart Antenna Strategies for Advanced Wireless Communication Systems”, *Proceedings of the International Conference on Emerging Trends in Signal Processing and VLSI Design (SPVL-2010)*, Hyderabad, June 2010.

- Y. Rama Krishna, “A New Robust Algorithm for Speech End Point Detection”, Proceedings of International Conference on Bio-Medical Electronics and Telecommunications (BET-04), Visakhapatnam, 2004, pp. 255-259.

### **LIST OF WORKSHOPS ORGANIZED: 02**

- Organized one day workshop on Advanced Image Processing Techniques at Gudlavalleru Engineering College on 23.09.2017 in association with Indian National Science Academy (INSA). Resource persons: Padmashri B.L. Deekshatulu, Former Director NRSC and Dr. Challa Subrahmanya Sastry, IIT Hyderabad.
- Organized a guest lecture on Modern Antennas and their applications by Prof. NVSN Sarma, NITW on 24.03.2018

### **LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED: 28**

- Govt. of India sponsored One week FDP on “Machine Learning Applications in Signal processing” organized by E&ICT Academy, NITW at GEC Gudlavalleru during 04.02.2019 to 09.02.2019.
- Attended two day training programme on Design and Development of Digital Circuits using VLSI Tools organized by Dept. of ECE, GEC during 6<sup>th</sup> and 7<sup>th</sup> December 2018.
- Attended One week FDP on Communications and Signal processing organized by ECE, GEC during 29.10.2018 to 03.11.2018.
- Attended International conference of Soft Computing and Signal processing during 22.06.2018 to 23.06.2018 at Mallareddy college of Engineering and Technology, Hyderabad.
- Attended a workshop on NBA-SAR filling and preparedness for assessment during 23.10.2017 to 25.10.2017 at ESCI, Hyderabad.
- Attended international conference on Computer Applications in Electrical Engineering Recent Advances at IIT Roorkey during 5<sup>th</sup> to 7<sup>th</sup> October 2017.
- Seminar on MATLAB and SIMULINK for Engineering Education conducted by MathWorks at Vijayawada on 05.02.2016
- Faculty Development programme on Professional Core of IT at PVP Siddhartha Institute of Technology from 21.01.2016 to 23.01.2016
- Three day workshop on Overview on Latest Telecom Technologies by BSNL Krishna SSA at Vijayawada from 05.03.2015 to 07.03.2015
- One day workshop on Turnitin – An Anti Plagiarism Software conducted by Directorate of Research & Development, JNT University Kakinada on 24.01.2014
- Two week ISTE workshop on Signals and Systems conducted by IIT Kahargapur under National Mission on Education through ICT (MHRD) at PVP Siddhartha Institute of Technology from 02.01.2014 to 12.01.2014
- Third international conference on Computer Science, Engineering & Applications conducted during 24.05.2013 to 26.05.2013 at New Delhi
- Three day training programme on Advanced Microwave and Communication Engineering Equipment conducted by Amitec Electronics Ltd. PVP Siddhartha Institute of Technology during 23.07.2013 to 25.07.2013

- Fourth International Conference on Networks and Communications conducted during 22.12.2012 to 24.12.2012 at Chennai
- One day interactive workshop on Natural Language Processing conducted by Department of Computer Applications, PVP Siddhartha Institute of Technology on 08.12.2012
- Fourth International Workshop on Computer Networks and Communications conducted during 26.10.2012 to 28.10.2012 at Coimbatore
- Workshop on Modern Antennas: Simulation and Applications organized by Dept. of ECE of NIT Warangal during 17.02.2012 to 19.02.2012
- One day workshop on Outcome Based Engineering Education conducted by Academy of Faculty Development, Vignan University on 28.01.2012
- AICTE sponsored National level seminar on Smart Antenna Technologies for Future Wireless Systems: Trends and Challenges organized by VR Siddhartha Engineering College during 06.08.2011 to 07.08.2011
- Two day workshop on Labview conducted by ECE department of PVP Siddhartha Institute of Technology during 27.10.2010 to 28.10.2010
- National workshop on Quality of Research and Young Scientist Sensitization conducted by JNT University Kakinada on 23.10.2010
- International conference on Emerging Trends in Signal Processing and VLSI Design organized by Guru Nanak Engineering College, Hyderabad during 11.06.2010 to 13.06.2010
- Two workshop on MATLAB and Its Applications conducted by PVP Siddhartha Institute of Technology during 29.07.2009 to 30.07.2009
- Two week AICTE sponsored staff development programme on Signal Processing and Wireless Communications organized by Dept. of ECE, VR Siddhartha Engineering College during 13.07.2009 to 25.07.2009
- Faculty training programme for effective communication conducted by S & H department of PVP Siddhartha Institute of Technology during 04.05.2009 to 09.05.2009
- Two day national workshop on Advances in Signal and Image Processing organized by JNT University Kakinada during 20.10.2008 to 21.10.2008
- One day seminar on VLSI Design conducted by ECE department of PVP Siddhartha Institute of Technology on 09.01.2007
- One day Faculty Development Programme on Brain Train Effective Teaching organized by Training and Placement department of PVP Siddhartha Institute of Technology on 07.01.2007

### **ONLINE WORKSHOPS ATTENDED:**

- Two week online faculty development programme on Python Programming conducted by APSSDC during 18.05.2020 to 30.05.2020.
- Five day online faculty development programme on Trends in communication organized by the department of ECE, Sir CR Reddy College of Engineering in association with Averz Technologies during 26.05.2020 to 30.05.2020.
- Attended an international webinar on “Towards Ubiquitous Millimeter Wave Networks and Applications” conducted by PVP Siddhartha Institute of Technology on 26.08.2020.

**CERTIFICATIONS:** NIL

**GUEST LECTURES DELIVERED:**

- A guest lecture on “Smart Antennas for Mobile Communications” during faculty development programme organized by Chalapathi Institute of Engineering and Technology on 05.10.2016.

**MEMBERSHIP IN PROFESSIONAL BODIES:** ISTE, IETE, ISSE

**CONSULTANCY ACTIVITIES:** NIL

**GRANTS FETCHED:** NIL