

**PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY,
ELECTRONICS AND COMMUNICATION ENGINEERING**

PUBLICATIONS 2018-2019

Papers presented in Seminars/Conferences

1. **Dr K. Ramanjaneyulu**, Professor presented a paper entitled **Innovative Approaches for Effective Teaching in Engineering Education** in AP-ICTIEE – 2018, International Conference on Transformation on Engineering Education at SRM University, Amaravathi on 16th&17th July, 2018.
2. **Dr. C. Subba Rao**, Professor presented a research paper entitled **Design and Analysis of a Wideband Ecliptic Cone Antenna** - International Conference on New Trends in Engineering and Technology (ICONTET) - on 7th& 8th September – 2018 conference proceedings: ISSN:CFP18P34 – PRT/978 – 1-5386 – 5628-7.
3. **Dr. K. Ramanjaneyulu**, Professor presented a paper entitled **Performance Analysis of Joint Turbo Coding for Overloaded MIMO-OFDM Systems** - International Conference on Recent Trends in Automation (ICRTA-18) held at Vasireddy Venkatadri Institute of Technology (VVIT), Guntur, on 15th November 2018.
4. **Mr. K.Phani Rama Krishna**, Assistant Professor & **Mr. Md. Habibulla**, Sr. Assistant Professor presented a paper **Optimal Lie Detector using NI My DAQ** in 3rd International Conference on Research Trends in Engineering, Applied source & Management held at Osmania University campus Hyderabad organized in association with Academic Science on 4th November, 2018.
5. **Mrs. K.ArunaKumari**, Sr.Assistant Professor presented a paper **PAPR lessening execution, BER execution and computational complexity nature with less complexity**- International Conference on Research Trends in Engineering, Applied Science and Management organized by Conference info. in association with Academic Science at Osmania University, Hyderabad organized in association with Academic Science on 16th December, 2018; ISBN no:978-93-87433-48-9.
6. **Dr K.Ramanjaneyulu**, Professor presented a paper entitled **Study on Machine Intelligence Techniques for Intrusion Detection System** - National Conference on Computational Intelligence and Deep Learning (NCCIDL' 19), Organized by Dept. of Computer Engineering, G. H. Rasoni Institute of Engineering and Technology (GHRIET), Pune, 13th and 14th February - 2019.

7. **Dr.C.Subba Rao**, Professor, **Mrs. B. Swathi Lakshmi**, Assistant Professor & **Mr. K. Phani Rama Krishna**, Assistant Professor presented a paper entitled **Design and Analysis of compact wide band Antenna** - International Conference on Emerging Trends in Engineering (ICETE) held at University college of Engineering, Osmania University, Hyderabad – Springer Series, during 22nd -23rd March – 2019.
8. **Mrs.K.Anitha**, Associate Professor, Ms.B.Susmitha, **Mr.M. Srinivasa Rao**, Associate Professor presented a paper on **Eigen face Recognition using PCA** - first Annual Conference on Computer Aided Developments in Electronics and Communication (CADEC-2019) at VIT-AP University, Amaravathi on 2nd& 3rd March - 2019.
9. **Dr.Geetha Devi A**, Associate Professor presented a paper entitled **Smart Irrigation System for agricultural Field** - International conference on Recent advances in computer science and engineering (IC-RACE) 2019 on 4th& 5th March 2019.
10. **Mrs. L.Madhavi Devi**, Assistant Professor presented a paper on **Electronic smart shopping trolley in super market** - Journal of Applied science and Computations, Volume 6, Issue 3, March – 2019.
11. **Mr P.Venumadhav**, Assistant Professor presented a conference paper on **Characterization of printed Podal Vivaldi Antenna (8-18GHz) on Rt Duroid with single & double cavity**- International Conference on Science, Technology & Managements held at Siddhartha Mahila Kalasala on 30th March – 2019.
12. **Dr.Geetha Devi A**, Associate Professor, **Surya Prasada Rao B**, Associate Professor, et.al, presented a paper entitled **Image Classification and Object detection using Deep Learning** - International Conference in Advanced Communication Technologies (ICTACT-2019), Sir CR Reddy Engineering College, Eluru, 26th & 27th April – 2019.
13. **Mr.SuryaPrasada Rao Borra**, Associate Professor, **Rajesh Kumar Panakala**, Professor & HoD et.al, presented a paper entitled **VLSI Implementation of Image Fusion Using PCA Algorithm With Maximum Selection Rule** - International Journal of Recent Technology and Engineering (IJRTE), Volume-7, pp.1960-1965, Issue-6S5, April - 2019.
14. **Dr.K.Ramanjaneyulu**, Professor presented a paper entitled **Adaptive Jaya Optimization Technique for Feature Selection in NSL-KDD Data Set of Intrusion Detection System** - International Conference on Communication and Information Processing (ICCIP-19), Organized by Nutan College of Engineering and Research (NCER), Pune, 17th& 18th May – 2019.

15. **Dr. A. GeethaDevi**, Associate Professor, **Mr. B. Surya Prasada Rao**, Associate Professor and **Mr. T. Balaji**, Sr.Assistant Professor presented a paper entitled **Encryption and Decryption of Text File using LABVIEW** - 2nd International Conference on Research trends in Engineering Applied Science and Management, organized by Osmania University centre for International Programmes, Osmania University,Telangana. September - 2018.

BOOK CHAPTERS:

1. **Dr.P.Rajesh Kumar**, Professor & HoD, **Mrs.V.RatnaKumari**, Assistant Professor published a book chapter **Occluded Ear Recognition using block based PCA in Soft computing and signal processing**, Advances in Intelligent Systems and Computing 898, Vol.2, ISSN:2194-5365, Pages:569-578, February - 2019.
2. **Mrs.V.RatnaKumari**, Assistant Professor published a book chapter **A Novel Adoptive beamforming Algorithm for smart Antenna in soft computing and signal processing**, Advances in intelligent systems and computing 898,Vol.2, ISSN:2194-5365, Pages:589-598, February - 2019.

PUBLICATIONS BY THE FACULTY (NATIONAL/INTERNATIONAL JOURNALS):

1. **Mr. B.Samyelu**, Sr.Assistant Professor published a paper entitled **Deterministic Initialization principle for Normalized Sub band adaptive Filtering**- International Journal of Signal and Imaging Systems Engineering, Vol:11, No:4; PP 246-257, Available online from 27 July 2018.
2. **Dr. Ch.Gangadhar**, Associate Professor & **Mr.Md.Habibulla**, Sr.Assistant Professor published a paper entitled **Novel Rate Improvement Technique using Non - Orthogonal Multiple Access For 5g Systems** - Journal of Advanced Research in Dynamical of Control systems- special issue (Scopus Index Journal); ISSN:2349, August, 2018.
3. **Dr. C. Subba Rao**, Professor presented a research paper entitled **Design of Resonance frequency variable Dipole Antenna** - Journal of Engineering Technologies and Innovative Research- Vol:5; Issue:8; ISSN:2349-5162,UGC approved, August, 2018.
4. **Mrs. K. Aruna Kumari**, Sr. Assistant Professor et.al published a paper entitled **Paper Reduction in MIMO - OFDM using Modified PTS Scheme with Hybrid ABC-FF Algorithm** - International Journal of Engineering & Technology, Volume - 7 pages : 423-427 published on September, 2018 (Scopus Indexed Journal).

5. **Mrs. K. Anitha**, Associate Professor & **Mr. M. Srinivasa Rao**, Associate Professor published a paper entitled **FPGA Based Controlled Design for mobile Robots** - International Research Journal of Engineering and Technology, Volume -5, Issue -10, PP:1494-1498, e-ISSN: 2395 – 0056, P-ISSN:2395 – 072,October – 2018.
6. **Mr. M. Srinivasa Rao**, Associate Professor & **Mrs. K. Anitha**, Associate Professor published a paper entitled **Improved Performance of Turbo Codes using Interactive Decoding with Additional Convolutional Interleaver** - Journal of Engineering Technologies and Innovative Research Volume – 5, Issue-10, PP:373-378, ISSN: 2349-5162 (UGC Approved Journal) October – 2018.
7. **Mrs. Ch. Sri Lakshmi**, Assistant Professor & **Mrs. D. Praveena Bai**, Assistant Professor published a paper entitled **A Simple Application of FM 0 Encoding in DSRC Applications** - JETIR,(UGC Approved) ISSN:2349-5162; Vol.5, Issue 10, Impact factor : 5.87; October - 2018.
8. **Mrs. D. Praveena Bai**, Assistant Professor & **Mrs. Ch. Sri Lakshmi**, Assistant Professor published a paper entitled **Wireless Switch using CD4027 and JK Flip-Flop** - JETIR, (UGC Approved); ISSN:2349-5162;Vol.5, Issue 10, Impact factor : 5.87, October - 2018.
9. **Mr. M. Srinivasa Rao**, Associate Professor and **Mrs K. Anitha**, Associate Professor published a paper entitled **Improving the uplink available rate and power allocation in LTE – Advanced Networks** - International Journal of Engineering and Science Research,Vol.8, Issue – 10, PP-3642, ISSN:2277-2685 (UGC approved journal) Impact factor : 6.6, October – 2018.
10. **Dr. K. Ramanjaneyulu**, Professor published a paper entitled **A Novel Compact CPW-FED Antenna for Ultra Wideband Applications** - International Journal of Innovation Engineering and Management Research (IJIEMR), Vol.07, Issue-12, ISSN:2456-5083; November -2018.
11. **Dr. K. Ramanjaneyulu**, Professor et al., published a paper entitled **An Efficient BER for Secure Encoder based Turbo Codes** - Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 12-Special Issue, 2018 ISSN:1943 -023X, November -2018.
12. **Dr. K. Ramanjaneyulu**, Professor published a paper entitled **A survey of Interleaving Techniques in Turbo codes** - International Journal of Engineering & Technology, 7 (4) (2018) 2949-2952 (open access), November -2018.

13. **Mrs. K. Anitha**, Associate Professor and **Mr. M. Srinivasa Rao**, Associate Professor published a paper entitled **Discrete Extended kalman Filter Based ultrasonic Time -of-flight Estimation** - International Journal of Engineering Research and Application, Vol-8, Issue-11 (part-1) PP 31-37, ISSN: 2248-7622 (UGC Approved Journal), November - 2018.
14. **Dr. A. Geetha Devi**, Associate Professor and **Mr. B. Surya Prasada Rao**, Associate Professor etal. published a paper entitled **A Method of Super Resolution Reconstruction for surveillance Images using Fuzzy Interpolation** - International Journal of Research and Analytical Reviews (IJRAR) EISSN:2348-1269 (IPTR) Vol.5, Issuing, PP.103-109, **(UGC Approved Journal)** November – 2018.
15. **Dr. A. GeethaDevi**, Associate Professor, **Mr. B. Surya Prasada Rao**, Associate Professor and **Mr. T. Balaji**, Sr.Assistant Professor published a paper entitled **Principal Component Analysis based super Resolution Reconstruction** - Journal of Emerging Technological and Innovative Research, Vol:5, PP:577-582, ISSN:2349-5162 **(UGC Approved Journal)**, November – 2018.
16. **Dr. A. GeethaDevi**, Associate Professor and **Mr. B. Surya Prasada Rao**, Associate Professor etal. Published a paper entitled **A Fuzzy rule based framework for super resolution image reconstruction** - Journal of Emerging Technologies and innovative Research Vol.5, Issue-11, PP:222-231, ISSN:2349-5162. **(UGC Approved Journal)**, November-2018.
17. **Mr. K.Phani Rama Krishna**, Assistant Professor and **Md. Habibulla**, Sr. Assistant Professor published a paper entitled **Implementation of DEEC protocol using optimization Technique in wireless sensor technology** – International Journal on Future Revolution in Computer Science and Communication Engineering, Vol:4; Issue:11; Pages: 86-90,November-2018.
18. **Dr. B. Samuyelu**, Sr. Assistant Professor etal. published a paper entitled **Memorized error and varying error bound for extending adaptiveness for normalized sub band adaptive filtering** - Alexandria Engineering Journal, Vol:57; Issue:4; Pages: 2445-2453, December – 2018.
19. **Mrs. V. Ratna Kumari**, Assistant Professor Published a paper entitled **A Robust Embedded Ear Recognition System** - JETIR, Vol:5; Issue-12; Pages:102 – 106; December – 2018.
20. **Mrs. L. Madhvidevi**, Assistant Professor published a paper entitled **EEG Signal Processing for Abnormality Detection using DWT, SE and KNN Techniques** - JETIR, Vol:5; Issue:9; Pages:88-99; December – 2018.

21. **Mr. K.Phani Rama Krishna**, Assistant Professor et.al. published a paper entitled **Implementation of Dual Hop concept in DEEC protocol** - IJRECE, Vol:06; Issue:4; (UGC Approved Journal), December – 2018.
22. **Dr.T.Haritha**, Associate Professor, Ms.T.Aravinda, published a paper entitled **Interference aware intercell rank co-ordination for 4G wide area network using sparsity order estimation** – International Journal of Engineering & Science Research (IJESR), Issue :1, vol:9, ISSN: 2277-2685, January - 2019.
23. **Dr. K.Ramanjaneyulu**, Professor et.al published a paper entitled **Performance Analysis of sub interleaver for turbo coded OFDM system** in J.Mech.Cont& Math Sci.,Vol-14,NO-1, Jan-Feb,2019; ISSN:2454-7190.
24. **Mrs.D.Swathi**, Assistant Professor published a paper entitled **Home Automation based on IOT using Google Assistant** – IJARTET, Issue:1; vol:6; January - 2019.
25. **Mrs.V.S.D.Rekha**, Assistant Professor published a paper entitled **Smart indoor ambiance monitoring and controlling system using IOT** - IJARTET, Issue:1; vol:6; January - 2019.
26. **Dr.K.Ramanjaneyulu**, Professoret.al published a paper entitled **Study on Machine Intelligence Techniques for Intrusion Detection system-** IJFRCSC, Vol:5, Issue:2; ISSN:2454-4248;Pages:4-9, February – 2019.
27. **Dr.C.Subba Rao**, Professor published a paper entitled **Design and Analysis of E-shaped Microstrip patch antenna for wide band Applications** - International Journal of Research in Electronics and Computer Engineering, Vol:7, Issue:6, Pages: 347-351, March-2019.
28. **Mrs.T.Maha Lakshmi**, Assistant Professor published a paper entitled **A Survey on Hybrid Filters for Enhancing Intensity of Satellite Image by using Denoising Algorithms** –Journal of Applied science and Computations, Volume 6,Issue 3, ISSN:1076-5131; March – 2019.
29. **Dr.T.Haritha**, Associate Professor et.al published a paper entitled **Smart Helmet System**– Journal of Emerging Technologies and Innovative Research; volume 6; Issue 4; ISSN:2349-5162; April – 2019
30. **Ms.T.Sushma**, Assistant Professor, **Mrs.L.Madhavi Devi**, Assistant Professor, **Mrs.B.Swathi Lakshmi**, Assistant Professor published a paper on **Unmanned Ground Vehicle** - Journal of Applied science and Computations, Volume 6, Issue 4; ISSN:1076-5131; April – 2019.

31. **Mrs.V.S.D.Rekha**, Assistant Professor **Mrs.D.Swathi**, Assistant Professor published a paper entitled **Arduino Based Smart Indoor Ambiance Monitoring and Controlling System** - International Journal of Engineering Research and Applications (IJERA), ISSN :2248-9622 Vol. 9, Issue 4 (Series -IV); pp 29-32; April – 2019.
32. **Mr. A. Ashok Babu**, Assistant Professor published a paper entitled **Design and Development of Efficient Street Light Mechanism** - Journal of Emerging Technologies and Innovative Research; volume 6; Pages 318 to 323;ISSN:2349-5162; June – 2019.
33. **Mr. Habibulla Mohammad**, Sr. Assistant Professor published a paper entitled **Implementation of Three-Tier Multihop Technique in advance coupling network model - deterministic energy- efficient clustering of Wireless sensor network** - Journal of Computational and Theoretical Nanoscience; Volume 16; Pages:2581-2589; No. 5/6(may-June - 2019).
34. **Dr. K. Ramanjaneyulu**, Professor et.al published a paper entitled **A Modified Deep Neural Network Based Hybrid Intrusion Detection System in Cyber Security** - International Journal of Innovative Technology and Exploring Engineering, Volume-8 Issue-8, Page No.:3366-3370; ISSN:2278-3075; June - 2019.
35. **Dr. K. Ramanjaneyulu**, Professor et.al published a paper entitled **A novel approach for feature selection technique in NSL-KDD data set of cyber security** - Indian Journal of Automation and Artificial Intelligence(IJAAI), ISSN: 2320–4001 (Online), 2320-3994 (Print), Volume-6 Issue-6, pp: 1-5, June 2019.
36. **Mr.P.Venu Madhav**, Assistant Professor published a paper entitled **Dual band 1*4 Orthogonal Array for mobile & Wifi Applications** - Journal and Advanced Researchin Dynamic and Control Systems(JARDCS), Volume 11,Issue 2,page no:1146-1153; June – 2019.
37. **Dr.K.Ramanjaneyulu**, Professor, **Mr. P.Venu Madhav**, Assistant Professor, **Mr.Surya Prasada Rao Borra**, Associate Professor published a paper entitled **Vehicle Tracking & Accident Detection System** – Journal of Emerging Technologies and Innovative Research (JETIR) Volume 6, Issue 6; ISSN-2349-5162; June 2019.