AY 2018-19

International Journals

1. Pranay Kumar Dasari, D.Sai Harsha, **E.Chandrasekhar ,** "Implementation of Low-Cost Home Monitoring, Controlling and Security System using IoT", International Journal of Engineering Research & Technology (IJERT),Vol. 8 Issue 06, June-2019, ISSN: 2278-0181,Impact Factor:7.86 (Scopus indexed)

2. B. Prabhakar, **D. Krishna Reddy**, "Implementation of Efficient Block Based Motion Estimation Algorithm Using Skipping Technique", International Journal of Recent Technology and Eng. (IJRTE), Vol.8, Issue-1, ISSN: 2277-3878, 1941-1945, May-19. (Scopus indexed)

3. **Sathish Pasika, D.Krishna Reddy and N. Alivelu Manga,** "Development of Raspbian kernel Customization for Automatic Railway Level Crossing Application" International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878 Vol 8, Issue 1C, pp: 196-201, May2019.(Scopus indexed)

4. B. Prabhakar, **D. Krishna Reddy**, "An Efficient Block Based Motion Estimation Algorithm Using ESAT", Journal of Advanced Research in Dynamical and Control Systems (JARDCS), ISSN:1943-023, April2019 (Scopus indexed)

5. **Sudarshan Reddy Kotla**, SameehaFahmeen, Quddusa Sultana, **D. Krishna Reddy** ,"Augmentation of NavIC-11 with BeiDou-3 over Indian Region" Journal of Adv Research in Dynamical & Control Systems, Vol. 11, 03-Special issue, March 2019, ISSN 1943-023X, pp: 1667-1673 March2019. (Scopus indexed)

6. K Venkata Murali Mohan, **D Krishna Reddy**, Chaitanya Bharathi, V Krishna, B PullaRao,"Millimeter Wave Systems for 5G: Design Principles, Challenges Opportunities", International Journal of Research and Solutions, Volume 7, Issue XII, pp 532-538 December/2018 ISSN NO:2236-6124

7. **N. Jagan Mohan Reddy**, "Comparison Study of Hamming and Kaiser Window over Band Pass Filter Banks in Cochlear Implant System", SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE) – Volume 6 Issue 5 – May2019.

8. **A.Vani**, PranaliShankerBargade, Comparison of BER Performance with DFT and DWT for MIMO- OFDM System, Journal of Emerging Technologies and Innovative Research (JETIR) Volume 6, Issue 5, May 2019, Impact Factor: 5.87 (UGC CARE)

9. **A.Vani**,PranaliShankerBargade, "Improvement of BER for MIMO-OFDM System Using Wavelet Transform", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-8 June, 2019, ISSN: 2278-3075, B Impact Factor: 5.54 (Scopus indexed).

10. **Mohd Ziauddin Jahangir , J. Mounika**, "Design and simulation of an innovative CMOS ternary 3 to 1 multiplexer and the design of ternary half adder using ternary 3 to 1 multiplexer, Microelectronics Journal, ELSEVIER, 14th may 2019,(SCIE) *https://doi.org/10.1016/j.mejo.2019.05.007*

11. **K. Suman**,"Optimizationof Heuristic Algorithms for Improving BERof Adaptive Turbo Codes ",IJARET, Vol 10, Issue 2,April 2019, ISSN: 0976-6499, Impact factor10.2216 (UGC CARE)

12. **K.S.R.S.Jyothsna**,"Implementation and Testing of LTE Transmitter in LabVIEW" International Journal of Scientific Research and Review (IJSRR), April 2019,ISSN:2279-0543(UGC CARE)

13. **A.V.Narashimha Rao**, 'Performance Analysis of Energy Efficient S-Leach under Data Compression Technique to Improve Network Life Time by Using NS-2.35' 'International Journal of Inventive Engineering & Sciences (IJIES)', ISSN: 2319-9598 (Online), Volume-5 Issue-3, March 2019. Page No.:1-6.

14. **A. Krishna Kumar**,"Design of Voltage Regulator for High Speed Applications", International Journal of Research in Electronics and Computer Engineering (IJRECE) Vol. 7. Issue 1 January-March,2019.

15. **K. Suman**, "Performance verification of 3D Turbo Code and A3D Turbo Code using Noise Adaptive approach for BER performance", JETIR, Vol 6, Issue 3, March 2019, ISSN-2349-5162, Impact factor 5.87(UGC CARE)

16. **K. Suman**, "Analysis of A3D-TC for Improving Bit Error Rate", JETIR, Volume 6, Issue 3, March 2019, ISSN-2349-5162, Impact factor5.87(UGC CARE)

17. **K.Suman**, " Performance Comparison of A3D Turbo code with other Turbo codes using Noise adaptive approach", IJRECE, Vol 7, Issue 1, March 2019, ISSN: 2393-9028, Impact Factor 4.305

18. **K. Suman**, "Validation of Heuristic Algorithms for improved BER performance ", IJCER, Vol 09, Issue, 3, March 2019, ISSN €: 2250 – 3005, Impact factor6.41.

19. **D Naga Devi** "Feature Extraction of Histopathological Images of Skin Tissues Using Morphological Operations", JETIR International Journal (ISSN: 2349-5162) Mar 2019,Impact factor :5.87. (UGC CARE)

20. **N Dhana Lakshmi**, P M Sainath Rao, "Voice controlled Robotic Arm for Kitchen application", Journal of Emerging Technologies and Innovative Research (JETIR) Feb 2019, Volume 6, Issue 2, ISSN - 2349- 5162, Impact factor - 5.87 (UGC CARE)

21. **Majeti Venkata Sireesha**, Panchala Venkata Naganjaneyulu, KaparapuBabulu "A Study Nonlinear Hyperspectral Unmixing Algorithm using Iterative Block Coordinate Descent Algorithm", International Journal

of Intelligent Engineering & Systems, Vol 12, Issue No. 3, 2019, *DOI: 10.22266/ijies2019.0630.18* (Scopus Indexed)

22. **Bharath Ragimanu**, Kishore Chandra Das, **Kakarla Subba Rao**, "Development of Multistage Digital filters for dither signal removal in Ring Laser Gyro", Frequenz Vol 71, Issue 3, Feb2019. *DOI: 10.1515/Freq – 0195* (SCIE)

23. **K. Suman**, "Simulation of Adaptive Third component Turbo Codes using Genetic Algorithm", IJEE, Vol 11, Issue 1, Jan-2019, ISSN: 0973-7383, Impact factor5.1.

24. Guru Murthy Vemula, **Kakarla Subba Rao**, " Estimation of sea clutter spectral intensity using STFT", Journal of Advanced Research in Dynamic and control systems, Vol 11, 01 Special Issue 2019. ISSN: 1943-023X. (Scopus Indexed)

25. **K. Suman**, " Genetic Algorithm: An Adaptive Approach to Improve BER in Turbo Codes", IJMERT, Vol 6, Issue 1, January 2019, ISSN: 2348-8565(Online).

26. David Solomon Raju Y and **D. Krishna Reddy**, "Extraction of Region of Interest from Natural Images with Spline Based Clustering Method", International Journal of Management, Technology and Engineering, ISSN No: 2249-7455, Volume IX, Issue I, pp: 3921-3929, January, 2019. (Scopus Indexed)

27. **A. Krishna Kumar**, D. Deepika "Power Efficient Method to Improve the Transient Behavior Of the Voltage Regulator for High Speed Applications" International Journal Of Current Engineering And Scientific Research (IJCESR), Issn (Print): 2393-8374, (Online): 2394-0697, Volume-5, Issue-11, Nov 2018

28. Kasi Prasad Mannepalli, **PanyamNarahari Sastry**, Maloji Suman, " Emotion recognition in speech signals using optimization based multi-SVNN classifier", Journal of King Saud University - Computer and Information Sciences, 21st Nov 2018,*https://doi.org/10.1016/j.jksuci.2018.11.012* (Scopus Indexed)

29. **Bharath Regimanu**, Kishore Chandra Das, **Kakarla Subba Rao**, **N.V. Koteswara Rao**, "Dither Signal Filtering in Ring Laser Gyroscope Using Modified Stockwell Transform", This article has been IEEE Sensors Letters, *DOI 10.1109/LSENS.2018.2865426 sep2018.* (Scopus Indexed)

30. **Q.J. Mohd, D.S. Achanta, V.K.R. Nalam**, T.K. Pant., 'Comparison of TEC estimation techniques using S1 and L5 signals of IRNSS', *Radioelectronics and Communications Systems,* Vol61 No. 7, pp. 306-316, July 2018, ISSN 1934-8061 (Online), ISSN 0735-2727 (Print). *doi: https://doi.org/10.3103/S0735272718070038.* (Scopus Indexed)

31. David Solomon Raju Y and **D. Krishna Reddy**, "Interactive Natural Image Segmentation and Foreground Extraction", Special Issue of International Journal of Engineering &Technology, Science Publishing Corporation, (UAE), 7(3.27), ISSN:2227-524X, pp.70-72, July2018 (Scopus Indexed)

32. P Sriravali, **J Balakrishna, N. Alivelu Manga**, "FPGA based design and Implementation of Micro- ATM,", JETIR (ISSN:2349-5162) UGC Approved & 5.87 Impact Factor Volume 5 Issue7,July-2018.

33. V. V. Satyanarayana Tallapragada, **G. V. Pradeep Kumar**, M.Venkatanaresh **"**Segmentation of Medical Images with Intensity Inhomogenity using Multiphase Level Set Functions", International Journal of Engineering & Technology, Vol. 7 Issue 3, Nov 2018 pp.683-689.

34. **Smt.M V Sireesha**, Mr. Koppulapalli Ronith Raj (160115735158), Ms. Md. Masiuzzama (160115735333) Mr. A.Trivedh published a paper in journal International Journal of Scientific Research and Review with entitled "Deep Learning based Fire Fighting Robot" Volume 8, Issue 4, 2019, ISSN NO: 2279-543X.(UGC approved)

International Conferences

1. **P. Sathish and D. Krishna Reddy** "Predictive Data Optimization of Doppler Collision Events for NavIC System", Paper Id EC 05, International Conference on Numerical Optimization in Engineering and Sciences (NOIEAS), NIT, Warangal, pp. o-49,19-21 June2019

2. **P. Sathish, D. Krishna Reddy, N.Alivelu Manga** "Development of Raspbian kernel Customization for Automatic Railway Level Crossing Application" Second International Conference on Emerging Trends in Science & Technologies For Engineering Systems (ICETSE-2019) S J C Institute of Technology, Chickballapur, Karnataka 17-18 May2019

3. **N. Alivelu Manga**, "Performance Analysis of Acquision Algorithms of NavIC", ICETSE2019, SJCIT,Bangalore 17-18 May2019.

4. **M.V.NAGABHUSHANAM**, "Embedded Zero-Tree Wavelet Coding with Selective Decomposition Bands" International Conference on Communication and Signal Processing(ICCSP) Organized by Om Sakthi Adhiparasakthi Engineering College Chennai on 04-06 April, 2019, doi:10.1109/ICCSP.2019.8698062

5. **Majeti Venkata Sireesha**, " Deep learning-basedfire fighting robot" International conference on Engineering and advancement in Technology - 2019 organised by LORDS Institute of Engineering and Technology In assosiation with OSIET, Chennai, India, 9th & 10th April2019.

6. **Sudershan Reddy Kotla**, SameehaFahmeen, **D Krishna Reddy** and Quddusa Sultana, "Augmentation of NavIC-11 with BEIDOU-3 Over Indian Region", International Conference on Engineering and advancement   in

Technology, paper id:38, 9th- 10th April 2019, Chennai, India`, ISBN978-93-81288-18-4

7. **G Mallikharjuna Rao**, K Deergha Rao, " A Scheme for Latency Analysis of Different Cryptography Methods for Security in 5G Era", 5th IEEE International Conference for CConvergence in Technology (I2CT) Pune, India, Mar 29-31,2019.

8. Ayesha Samreen, **P. Sathish and N. Alivelu Manga** "Low cost IoT based emission monitoring system for thermal power plan" IEEE iPACT 2019at VIT university during March23-24,2019.

9. **Sudershan Reddy Kotla**, SameehaFahmeen, Quddusa Sultana and **D Krishna Reddy**, "Augmentation of NavIC with BeiDou-2 Over Indian Region", IWAT 2019 IEEE Conference, 03-06 March 2019 in Miami, Florida,USA.

10. B Neeraja" Design of an area efficient Braun Multiplier using high speed parallel prefix adder in cadence" third IEEE international Conference on Electrical, computer and communication technologies, ICECCT,2019 at SVS College of Engineering, Coimbatore, Tamil Nadu, India during 20 - 22, February2019.

11. **K Sudarshan Reddy**, SameehaFahmeen, **D Krishna Reddy** and Quddusa Sultana, "Augmentation of Modernized CAPS with NavIC Over Indian Region", Third IEEE International Conference on Electrical, Computer and Communication Technology (ICECCT), Coimbatore, Tamil Nadui, India, 20-22 February 2019, pp. 1521-1525, 978-1-5386-8158-9/19/$31.00@2019 IEEE.

12. **Narahari Sastry Panyam**, "Analysis of Telugu Hand Written Characters using Transform based Techniques", International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ICECEIC - 2019) organized by Sri chandrasekharendraSaraswathiViswaMahavidyalaya, Sri JayendreSaraswathi Street, Enathur, Kanchipuram, Tamil Nadu, during 30th - 31st Jan2019.

13. MohdQurram Javeed, **A.D. Sarma and A. Supraja Reddy**, 'Suitability of Ionospheric Coefficients for IRNSS Single Frequency Receivers', IEEE Indian Conference on Antennas and Propagation (InCAP) Dec2018.

14. K Lakshmanna**, N. Alivelu Manga and A.D Sarma**, 'Analysis of Ionospheric Delay Effects on IRNSS- GPS Receiver Coordinates', IEEE Indian Conference on Antennas and Propagation (InCAP) Dec2018.

15. Manikya Krishna Chaitanya Durbhakula and **N.V. Koteswara Rao**, "Sierpinski Monopole Antenna Reconfigurable System using Hairpin Bandpass Filter Sections", IEEE Indian Conference on Antennas and Propagation (InCAP2018), 16th-19th Dec2018.

16. Rajeshwar Goud Jangampally, **Venkata Koteswara Rao Nalam**and Mallikarjuna Prasad Avala, "Corner cut Inset-fed Dual-Band Slot Antenna for PCS and Bluetooth/WLAN Applications", IEEE Indian Conference on Antennas and Propagation (InCAP2018), 16th-19th Dec2018.

17. K.Praveena, P.Naveenkumar, **D.Krishna Reddy** and PeddaNaraiah R, "Receiver Bias Estimation of Indian GAGAN System using FRB Technique for Equniox Days: Preliminary Results" Andhra Pradesh akademi of sciences Amaravati and Yogi Vemana University, Kadapa jointly host the prestigious Andrha Pradesh Science Congress-2018 (APSC-2018), Focal Theme Integrating Science and Society for Global sustainability, 9-11 Nov 2018.

18. Praveena K., **Supraja Reddy A.**, **Krishna Reddy D**., Naveen Kumar P, "Estimation of GNSS Receiver Bias using Fitted Receiver Bias (FRB) Method", International Conference on Innovation Smart Culture and Well-Being (ICISW-2018)", Dusit, Bangkok, Thailand, 08 Nov2018.

19. **J. Balakrishna**, Himamsu M and **N. Alivelu Manga**, "IOT Based status tracking and controlling of motor in Agricultural Farms", IEEE UPCON, pp. 1-5, November2018.

20. T. Narasimha Murthy, A.V. **Narasimha Rao**, N. Bala Subramanyam, "A Bandwidth Enhanced U-Slot PIFA with defected ground structure for dual-band mobile Applications", 1st International Conference on Wireless Sensor Networks, Ubiquitous Computing and Applications (ICWSNUCA-2018) August2018.

21. **A. Supraja Reddy**, 'On the Suitability of Ionospheric Gradient Estimation Techniques for IRNSS based GBAS Applications', IEEE international Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, Boston, Massachusetts, USA, during 8-13 July2018.

22. P Sriravali, **J Balakrishna, P Chandrasekhar, N. Alivelu Manga**, "Design and Implementation of Low Noise Amplifier forIrnss Receiver", International Conference on Inventive Research in Computing Applications (ICIRCA 2018) [IEEE conference], PP. 454-458, 12th July2018.

23. **T. Sridher, A.D. Sarma, N V Koteswara Rao**, P.Naveen Kumar and Tarun Kumar Pant 'Investigation of IRNSS Signals: Priliminary Results', IC4, IEEE conference, College of Engineering, Kerala, 5-7 July 2018.

24. D. Sony, V. Satya Srinivas , P. Naveen and **D. Krishna Reddy** "IRNSS User Range Accuracy Evaluation for Receiver Autonomous Integrity" in URSI AP-RASC 2019, New Delhi, India, 09 - 15 March 2019.

National Conferences

1. K Lakshmanna, **N. Alivelu Manga and A.D Sarma**, "Forecasting of Ionospheric Scintillations by using Statistical Models" National Space Science Symposium (NSSS), Pune, 29-31 Jan2019.
2. Devadaskuna, N. Santhosh, P. Naveen Kumar and **A.D. Sarma**, "Comparative Performance Analysis of Galileo and NavIC at a Low Latitude Station, National Space Science Symposium (NSSS), Pune, 29-31 Jan, 2019.
3. D. Sony, **D. Krishna Reddy**, P. Naveen, V. Satya Srinivas "IRNSS and GPS Satellite User Range Accuracy Analysis for Receiver Autonomous Integrity Monitoring ", in NSSS January 2019