

**PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY (Autonomous)**

**KANURU, VIJAYAWADA**

**Department of Electronics and Communication Engineering**

**Academic Year 2022-2023**

## **1. INTERNATIONAL JOURNALS**

### **a. SCI:**

1. Dr. K. Ramanjaneyulu, published a paper entitled **Virus Texture Classification of TEM Images using Fusion of Chebyshev Moments and Resnet50** - Brazilian Archives of Biology and Technology, ISSN: 1678-4324, Vol.65, Issue: 1, PP:1-11, Aug -2022.
2. Dr.A.Geetha Devi, published a paper entitled **Lung cancer histopathological image classification using wavelets and AlexNet** - Journal of X-ray science and technology, Vol 31, Issue: 1, ISSN : 1095-9114, PP: 211-221, Jan 2023.
3. B. V. Subbayamma, published a paper entitled **Comparative analysis of new meta-heuristic-variants for privacy preservation in wireless mobile adhoc networks for IoT applications** - Elsevier, ISSN: 0140-3664, Vol:198, PP:262-281, Jan -2023.
4. Dr. B. Samuyelu, published a paper entitled **Smart City IoT System Network Level Routing Analysis and Blockchain Security Based Implementation** - Journal of Electrical Engineering & Technology, Vol18, Issue: 2, ISSN: 1975-0102, PP: 1351-1368, Mar 2023.
5. Dr.A.Geetha Devi, published a paper entitled **Content-Based Image Recovery System with the Aid of Median Binary Design Pattern** - Traitement du Signa, ISSN:1958-5608; Vol:40; Issue:2; PP:667-674, April– 2023.

## **b. SCOPUS**

1. Dr. P. VenuMadhav, published a paper entitled **IOT Based Real-Time Energy Monitoring** - ICIC Express Letters, 1881-803X, Vol:6, Issue :8,PP:827-834,Aug-2022.
2. L. Madhavi Devi, Dr. C. SubbaRao, B. Swati Lakshmi, T.Sushma, published a paper entitled **Multiple Slot Fractal Structured Antenna for Wi-Fi and Radio Altimeter for uncertain Applications** - International Journal of Communication Networks and Information security, ISSN: 2073607X, Vol:14, Issue:2,PP:1-12,Sep-2022.
3. Dr Ch.Gangadhar, published a paper entitled **An energy efficient NOMA-based spectrum sharing techniques for cell-free massive MIMO** - International Journal of Engineering Systems Modelling and Simulation (IJESMS),ISSN: 1755-9766; Vol. 13,No.4, Oct -2022.
4. Dr. B. Samuyelu, published a paper entitled **Target Application Based Design Approach for RF MEMS Switches using Artificial Neural Networks** - Transactions on Electrical and Electronic Materials, ISSN: 2092-7592, Vol:23, Issue:5, P.P:509-521, Oct -2022.
5. T. Balaji published a paper entitled **A High Performance Dual Stage Face Detection Algorithm Implementation using FPGA Chip and DSP Processor** - Journal of Information Systems and Telecommunication, ISSN: 23221437, Vol:10, Issue: 4, P.P:241-248, Oct -2022.
6. T.Sushma, published a paper entitled **A Novel Energy Aware Clustering Mechanism with Fuzzy Logic in MANET Environment** - International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169, Vol:10, Issue: 10, P.P:109-118, Oct -2022.
7. D Swathi published a paper entitled **Performance signature of transceiver communication system based on the cascade uniform fiber bragg grating devices** - Journal of optical communications,ISSN :2191-6322, Dec. 2022 (Online).

8. K ArunaKumari , published a paper entitled **Data Security Enhancement in 4G Vehicular Networks Based on Reinforcement Learning for Satellite Edge Computing** - International Journal of Communication Networks and Information Security, ISSN :2191-6322, Vol 14, Issue :3, PP: 59-72 , Dec- 2022.
9. Sri Lakshmi Ch, published a paper entitled **Intelligent Mobile Edge Computing Integrated with Blockchain Security Analysis for Millimetre-Wave Communication** - International Journal of Communication Networks and Information Security, Vol 14, Issue :3, ISSN No: 2076-0930, PP: 110-122, Dec 2022.
10. T. Maha Lakshmi, published a paper entitled **Visible-light wireless communication system performance signature improvement for high bit rate transmission system** - Journal of optical communication, ISSN No: 0173-4911, Dec 2022. (Online).
11. K. Anitha, published a paper entitled **Brain Tumor Magnetic Resonance Images Classification based Machine Learning Paradigms** - Contemporary Oncology, Vol: 11, Issue :1, ISSN No: 1428-2526, PP: 268-274, Dec 2022.
12. Dr. P. VenuMadhav, published a paper entitled **Hybrid Autonomous Vehicle (Aerial and Grounded)** - International Journal on Recent and Innovation Trends in Computing and Communication, Vol11, Issue :1, ISSN No: 2321-8169, PP: 103-109, Jan 2023.
13. D. Swathi, T. Maha Lakshmi, published a paper entitled **Evaluation of brain tumor classification techniques on identification of EEG in medical images** - ARPN Journal of Engineering and Applied Sciences, ISSN No: 1819-6608, Feb2023.
14. Dr.A.GeethaDevi, Dr. B. Surya Prasada Rao, T.Haritha, published a paper entitled **An Improved CHI2 Feature Selection Based a Two-Stage Prediction of Comorbid Cancer Patient Survivability** - Revue d Intelligence Artificielle, Vol:37, Issue :1, ISSN No: 0992-499X, PP: 1802-1808, Feb 2023.

15. K. Anitha, published a paper entitled **Adaptation issues of machine learning in safety digitization** - Indonesian Journal of Electrical Engineering and Computer Science, Vol29, Issue :3, ISSN No: 2502-4752, PP: 1802-1808, Mar 2023.
16. Dr. K. Ramanjaneyulu, published a paper entitled **A Novel Technique for Image Retrieval based on Concatenated Features Extracted from Big Dataset Pre-Trained CNNs** - International Journal of Image, Graphics and Signal Processing, ISSN:2074-9082; Vol:15; Issue:2; PP:1-12, April – 2023.
17. B. Surya PrasadaRao, published a paper entitled **Unhealthy Plant Region Detection in Plant Leaves Using Adaptive Genetic Algorithms** - Journal of Theoretical and Applied Information Technology, ISSN:1817-3195; Vol:101; Issue:8; PP::3133-3137, April – 2023.
18. D.PraveenaBai, published a paper entitled **Design of low voltage high output resistance current mirror** - International Journal of Experimental Research and Review(IJERR), ISSN:2455-4855; Vol:30; Issue:xx; PP:2455-4855, April– 2023.
19. V.S.D.Rekha, published a paper entitled **Internet of Things For Effort Estimation And Controlling The State of An Electric Vehicle in A Cyber Attack Environment** - Journal of Theoretical and Applied Information Technology, ), ISSN: : 1992-8645; Vol:101; Issue:10; PP:4033-4040, May– 2023.
20. Dr.Ch.Gangadhar, published a paper entitled **E-commerce customer churn prevention using machine learning-based business intelligence strategy** - Measurement: Sensors, ISSN:2665-9174; Vol:27; June – 2023.
21. Dr.Ch.Gangadhar, published a paper entitled **Analysis of optimization algorithms for stability and convergence for natural language processing using deep learning algorithms** - Measurement: Sensors, ISSN:2665-9174; Vol:27, June– 2023.
22. Dr.Habibulla, Dr. J. RavindraBabu, Dr. B. Surya Prasada Rao, T. Balaji, published a paper entitled **Empirical Investigations to sentiment Analysis of movie reviews using LSTM**

- Journal of Theoretical and Applied Information Technology, Vol - 101, Issue- 11, ISSN No: 1992-8645, June 2023.

23. V.S.D.Rekha, V.Ratna Kumari, B.Surya PrasadaRao, published a paper entitled **A New Services and Applications can leverage the power of low reliable and latency communication for machine critical distributed industrial internet of things** - Journal of Theoretical and Applied Information Technology, Vol - 101, Issue- 12,ISSN No: 1992-8645, June 2023.
24. B. Surya Prasada Rao, published a paper entitled **Real And Accurate Speech Enhancement Model For Orthogonal-Daubechies Based Multiresolution Analysis** - Journal of the Balkan Tribological Association, Vol - 29, Issue- 2,ISSN No: 1310-4772,PP:161-167, June 2023.
25. T. Haritha, B. Surya Prasada Rao, A.Geetha Devi, published a paper entitled **Empirical Investigations to A Neighboring Ideal Multicast Scheme For Mobile Ad-Hoc Networks** - Journal of Theoretical and Applied Information Technology, Vol - 101, Issue- 10, ISSN No: 1992-8645, June 2023.
26. J. Ravindra Babu, T Balaji, B. Surya Prasada Rao, published a paper entitled **Experimental Investigations to Face Recognition Using Opencv for Monitoring Turnout Time** - Journal of Theoretical and Applied Information Technology, Vol - 101, Issue- 10, ISSN No: 1992-8645, June 2023.
27. T Balaji, A.Geetha Devi, published a paper entitled **Creating The Best Directed Random Testing Method To Minimize Interactive Faults- Empirical Perspective** - Journal of Theoretical and Applied Information Technology, Vol - 101, Issue- 10,ISSN No: 1992-8645, June 2023.

## 2. INTERNATIONAL CONFERENCES

### a. SCOPUS

1. D.Swathi, presented a paper entitled **Adaptable Reconfigurable and Power-Efficient Robots for Health Monitoring** - 2022 Second International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT) by Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India, ISBN No: 978-1-6654-1120-2, July 2022.
2. Dr. Ramanjaneyulu.K, presented a paper entitled **Deep Learning-Based Bone Age Estimation Using X-Ray Hand Images** - 2022 IEEE 3<sup>rd</sup> Global Conference for Advancement in Technology (GCAT), organized by IEEE Bangalore Section at NCET, Bangalore during 7<sup>th</sup> – 9<sup>th</sup> October, 2022.
3. T. Maha Lakshmi, presented a paper entitled **Statistical Analysis of Big Data Models in Android Malware Detection** - ICECAA 2022 (IEEE conference), organized by Gnanamani college of technology during 13<sup>th</sup> – 15<sup>th</sup> October' 2022.
4. Dr. A Geetha Devi, presented a paper entitled **Prediction of Maintenance Time and IoT Device Failures using Artificial Intelligence** - 2022 Second International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), ISBN No: 978-1-6654-1120-2 on 1<sup>st</sup> July' 2022.
5. Dr.A. Geetha Devi, presented a paper entitled **Visual Attention-based Optic Disc Detection System Using Machine Learning Algorithms** - International Conference on Expert Clouds and Applications organized by RV Institute of Technology and Management on 8<sup>th</sup> August' 2022.
6. Dr.A. Geetha Devi, presented a paper entitled **Real time Video Image edge detection system** - International Conference on UBIQUITOUS Computing and Intelligent information Systems, by Sri Venkateswara Hitech Engineerig College, Tamilnadu, India on 26<sup>th</sup> July' 2022.

7. Sri Lakshmi Chandana, presented a paper entitled **An intelligent sensing and detection system for accident preventions in four wheeler vehicles** - Materials Today: Proceedings, Vol - 80, Issue- 3,ISSN No: 1713-1716, Jan 2023.
8. T. Maha Lakshmi, presented a paper entitled **A new algorithm for detection of nodes failures and enhancement of network coverage and energy usage in wireless sensor networks** - Materials today proceedings, 1<sup>st</sup> Feb' 2023.
9. T. Sushma, presented a paper entitled **Enhancement of Energy Efficiency and Network Lifetime Using Modified Cluster Based Routing in Wireless Sensor Networks** - 2023 IEEE International Conference on Intelligent Systems for Communication, IoT and Security (ICISCOIS 2023), PSG College of Technology, ISBN No: 978-1-6654-9111-2, during 09<sup>th</sup> -11<sup>th</sup> Feb ' 2023.
10. Dr.V.S.DRekha, Dr T.Haritha, presented a paper entitled **Employing industry 4.0 to supervise soil supplements and estimate its content** - 7<sup>th</sup> International Conference on computing Methodologies and Communication, ICCMC 2022-2023, organized by Erode India,ISBN:978-1-6654-6408-6 during 23<sup>rd</sup> – 25<sup>th</sup>Feb, 2023.
11. Dr.B.SuryaPrasada Rao, presented a paper entitled **Towards Human-Like Robotic Grasping for Industrial Applications Using Computer Vision** - International Conference on Intelligent Sustainable Systems 2023organized by Intelligent Sustainable Systems, Lecture Notes in Networks and Systems 665 during 2<sup>nd</sup> – 3<sup>rd</sup> February, 2023.
12. Ch.Gangadhar, presented a paper entitled **Ultra-Low-Power IoT applications based on Real-Time Machine Vision and Image Analysis** - 2023 International Conference on Innovative Data Communication Technologies and Application (ICIDCA),ISBN: 979-8-3503-9720-8, during 14<sup>th</sup> – 16<sup>th</sup> March 2023.
13. Dr.V.S.DRekha, presented a paper entitled **Healthcare Monitoring Wearable Microstrip Patch Antenna for Elder People with Acceptable SAR** - 2<sup>nd</sup> International Conference on Electrical Electronics Information and Communication Technologies



ICEEICT, organized by K Ramakrishnan College of Engineering Trichy, Tamilnadu, India, 5<sup>th</sup> – 7<sup>th</sup> April, 2023.

14. Dr.P. VenuMadhav presented a paper entitled **Design and Implementation of Smart Housing System for Elderly Persons** - International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence (RAEEUCCI)organized by Dept. of ECE, SRM University, Madras during 19<sup>th</sup> – 21<sup>st</sup> April, 2023.
15. B.V.Subbayamma, presented a paper entitled **Enhancement of energy efficiency using improved energy efficient routing protocol in wireless sensor networks for IOT applications** - 2023, 3<sup>rd</sup> International conference on “Advances in computing, communication, Embedded and secure systems, 18-20 May 2023.
16. B.Swati Lakshmi, Dr.C. Subbarao, L.Madhavi Devi presented a paper entitled **Micro Controller Based Digital Emergency Caution Order System** - 8<sup>th</sup> international conference on Communication and Electronic Systems organized by PPG Institute of Technology, Coimbatore, India during 1<sup>st</sup> – 3<sup>rd</sup> June, 2023.
17. Swathi.D, presented a paper entitled **The State-of-the-art Energy Management Strategy in Hybrid Electric Vehicles for Real-time Optimization** - 2023 International Conference on Inventive Computation Technologies (ICICT), Lalitpur, Nepal, 2023, pp. 1637-1643, doi: 10.1109/ICICT57646.2023.10134496, June 2023.

**b. OTHERS:**

1. Dr. J. RavindraBabu, presented a paper entitled **Multistage Multiuser Detection Techniques for performance Analysis and improvement in DS-CDMA** - ICIET, organized by JNTUH, Kukatpalli, Hyderabad during 15<sup>th</sup> – 17<sup>th</sup>September’ 2022.



2. Dr. K Ramanjaneyalu, Dr. J. Ravindra Babu, presented a paper entitled **Pre-coding techniques are used for performance analysis and improvement in MC-CDMA system** - at JNTU Kukatpalli, Hyderabad.15<sup>th</sup> – 17<sup>th</sup>September’ 2022.
3. Dr.P. VenuMadhav presented a paper entitled **A Novel PCB prototype for smart garden** - International conference on recent advances in mechanical and industrial engineering-2023, ISBN No: 97893556609090, organized by Dept. of Mechanical Engineering, PVPSIT, during 23<sup>rd</sup> – 24<sup>th</sup> March 2023.
4. Dr.P. VenuMadhav presented a paper entitled **Collaborative learning robots** - International conference on recent advances in mechanical and industrial engineering-2023, ISBN No: 97893556609090, organized by Dept. of Mechanical Engineering, PVPSIT, during 24<sup>th</sup>– 25<sup>th</sup> March 2023.
5. Dr.P. VenuMadhav, presented a paper entitled **A Octagonal Bowtie Antenna With Enhanced Bandwidth For Vehicle-toVehicle (V2V) Communication Applications** - Second International Conference (Virtual) on Computational and Intelligent Techniques For Automation of Engineering Systems CITAES – 2022 - Dept of ECE, GEC, Gudlavalleru, ISBN No: 07695033314300, 29<sup>th</sup> -30<sup>th</sup>July’ 2022.