

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

**KANURU, VIJAYAWADA**

**Department of Electronics and Communication Engineering**

**Academic Year 2021-2022**

**1. INTERNATIONAL JOURNALS**

**SCI:**

1. V. Ratna Kumari, published a paper entitled **Deep Learning Based Remote Sensing Technique for Environmental Parameter Retrieval and Data Fusion From Physical Models** - Arabian Journal of Geosciences, ISSN: 1866-7511, Vol: 14, Issue: 13, July 2021.
2. D. Hareesha, published a paper entitled **Ultra-Reliable Low Latency Communication Technique For Agriculture Wireless Sensor Networks** - Arabian Journal of Geosciences, ISSN: 1866-7511, Vol:14, Issue:13, July 2021.
3. K. Ramanjaneyulu, published a paper entitled **Detection of Epileptic Seizures from EEG Signals by Combining Dimensionality Reduction Algorithms with Machine Learning Models** - IEEE Sensors Journal (Early Access), ISSN: 1558-1748, Vol: 21, Issue:17,PP: 16861-16869, Aug 2021.
4. A. Geetha Devi, published a paper entitled **Prediction and Detection of Breast Cancer text data using Integrated EANN and ESVM Techniques** - Applied Nanoscience (Switzerland), ISSN:2190-5517, Sep 2021(online).
5. C. Subba Rao, published a paper entitled **Optimized Convolutional Neural Network-Based Multigas Detection Using Fiber Optic Sensor** - Optical Engineering, vol.60, Issue: 12; Pg.No:1-21, ISSN: 0091-3286, Dec 2021.
6. B.V.Subbayamma, published a paper entitled **An Improved Hybrid Secure Multipath Routing Protocol for MANET** - IEEE Access; ISSN: 2169-3536, Vol:9, Issue:1, PP:163043-163053, Dec 2021.

7. M. Srinivasa Rao, published a paper entitled **A Novel Internet of Things (IoT)-Enabled Platform for Patients With Type 1 Diabete** - Applied nano science, Feb 2022(online).
8. T. Sushma, published a paper entitled **A New Method for Scene Classification from the Remote Sensing Images** - Computers, Materials & Continua, ISSN: 1546-2218, Vol:72, issue: 1, PP: 1339-1355; Feb2022.
9. B. Surya Prasada Rao *et al.* published a paper entitled **Google's New AI Technology Detects Cardiac Issues Using Retinal Scan** - Appl Nano science, Feb(2022). <https://doi.org/10.1007/s13204-021-02208-5>(Online).

## SCOPUS

1. T. Haritha, published a paper entitled **Purging of Silence for Robust Speaker Identification in Colossal Database** - International Journal of Electrical and Computer Engineering (IJECE), ISSN: 2088-8708; Vol:11, Issue:4, PP:3084-3092, Aug 2021.
2. Ch.Gangadhar, published a paper entitled **Diagnosis of COVID-19 using 3D CT scans and Vaccination for COVID-19** - World Journal of Engineering, ISSN: 1708-5284, Vol:19, Issue:2, PP: 189-194, Mar 2022.
3. Ch.Gangadhar, published a paper entitled **COVID-19 Image Transmission using Convolutional Neural Networks based Algorithms for Medical Applications** - World Journal of Engineering, ISSN: 1708-5284, Vol:19, Issue:2, PP: 183-188, Mar 2022.
4. Habibulla Mohammad, Dr.Ch.Gangadhar, published a paper entitled **Spread Prediction of Covid-19 in Andhra Pradesh Based on Environmental Chemistry** - Rasayan J. Chem, ISSN: 0976-0083, Vol:15, Issue:2, PP: 806-812, April 2022.
5. K. Phani Rama Krishna, published a paper entitled **Extended Buffer Zone Algorithm to Reduce Rerouting Time in Biotelemetry Systems Using Sensing** - ACTA IMEKO, ISSN: 2221-870X, Vol:11, Issue:1, PP: 1-7, March 2022.

6. A. Ashok Babu, published a paper entitled **Mitigation of Spectrum Sensing Data Falsification Attack Using Multilayer Perception in Cognitive Radio Networks** - ACTA IMEKO, ISSN: 2221-870X, Vol: 11, PP: 1-7, March 2022.
7. T.Maha Lakshmi, published a paper entitled **Enhancement of Energy Efficiency And Network Lifetime Using Modified MPCT Algorithm in Wireless Sensor Networks** - Journal of Interconnection Networks, March 2022 (online).
8. Ch. Gangadhar, published a paper entitled **Association Of Vaccine Medication For The Efficacious COVID-19 Treatment** - World Journal of Engineering, P.P: 1708-5284, Vol.1, Issue: 19/1, Feb 2022.
9. 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, <https://doi.org/10.1007/s42341-021-00378-1>.

#### **UGC JOURNALS**

1. K.Anitha, M. Srinivasa Rao, published a paper entitled **Convolutional Neural Network Based Plant Leaf Disease Detection** - Stochastic Modeling & Applications, ISSN: 0972-3641; Vol: 26, Issue:3, PP:302-309, May 2022.
2. D. Praveena Bai, D Swathi and K Phani Rama Krishna, published a paper entitled **Implementation of Data Transmission from PC to PC Using LiFi Technology** - Asian Journal of Organic & Medicinal Chemistry, Vol. 7 No. 2, PP: 319-325, June 2022.

#### **OTHER JOURNALS**

1. J. Ravindra Babu, published a paper entitled **Implementation of a Cost Efficient Passive Keyless Entry Device for the Communication Protocol** - Turkish Online Journal of Qualitative Inquiry, ISSN: 1309-6591; Vol:12, Issue:3, PP:1891-1909, July 2021.

2. A. Geetha Devi, published a paper entitled **Development of Sun Tracking Solar Panel using MSP430 Launch pad** - IOSR Journal of Engineering (IOSRJEN), ISSN: 2250-3021; Vol:11, Issue:8, PP:13-18, Aug 2021.
3. B. Surya Prasada Rao, published a paper entitled **A Smart Home Security Locker using Microcontroller** - IOSR Journal of Engineering (IOSRJEN), ISSN: 2250-3021; Vol: 11, Issue: 7, PP:1-4, July 2021.
4. V. Ratna Kumari, published a paper entitled **Covid-19 Prediction Using Machine Learning Algorithms** - Journal of Instrumentation and Innovation Science, ISSN: 2456-9860; Vol: 06, Issue:2, PP:27-33, Aug 2021.
5. V. Ratna Kumari, published a paper entitled **Remote monitoring of perishable boots using IoT** - Journal of Instrumentation and Innovation Science, ISSN: 2456-9860; Vol: 07, Issue: 1, PP:22-26, Feb 2022.
6. Ch. Gangadhar, Dr. Md. Habibulla, K.Phani Rama Krishna, Ms.T.Maha Lakshmi published a paper entitled **Fibonacci Multichaos Algorithm for Medical Image Encryption for Transmission Through Wavelet Transform Based OFDM System and Its VLSI Realization** - International Journal of Online and Biomedical Engineering, ISSN: 2626-8493; Vol:18, Issue:6, PP:133-139, May 2022.
7. V. Ratna Kumari, published a paper entitled **A Novel Ear Detection Technique in Noisy Environment Using Mean Structure Similarity Index Measure** - International Journal of Engineering Applied Sciences and Technology, ISSN: 2455-2143; Vol:06, Issue:12, PP:141-145, April2022.
8. Ch.Sri Lakshmi, published a paper entitled **Selective Mapping Technique with Novel Symmetric Hankel Phase Sequences for PAPR Reduction in OFDM Systems** - International journal of mechanical engineering, Vol. 7, Issue:5, PP: 1047, May 2022.
9. K.Phani Rama Krishna, published a paper entitled **Dynamic Node Rank for Efficient System in Wireless Sensor Networks** - International Journal of Mechanical Engineering, Vol:7, issue: 4, P.P: 513-520, Apr 2022.

10. V. Ratna Kumari, published a paper entitled **Design and Implementation of Real time Ear Recognition System using DM6437** - Neuro Quantology, Vol.20, Issue:5, P.P: 4359-4366, May, 2022.
11. K. Anitha, published a paper entitled **Breast Cancer Detection Using Bimodal Image Fusion: Thermography and Mammography Images** - Onkologia i Radioterapia, v0l:16, Issue: 6, P.P: 1-5, June 2022.
12. V.S.D Rekha, published a paper entitled **Tripple Band Textile Array Antenna With Enhanced Gain And Low SAR For Off Body Communication Applications** - International Journal on Recent and Innovation trends in computing and communication, v0l:10, Issue: 6, P.P: 44-51, June 2022.
13. D. Swathi, D. Praveena Bai, published a paper entitled **A Review of Internet of Things (IoT) Enabling Technologies in Healthcare Applications** - International Journal of Research Publication and Reviews, Vol. 3 No. 6, PP: 4781-4784, June 2022.

## 2. INTERNATIONAL CONFERENCES

### SCOPUS

1. Dr.T.Haritha, presented a paper entitled **Medicine Assistant and Diet Remainder for Secure Healthcare** - 6<sup>th</sup> IEEE International Conference on Recent trends on Electronics, Information, Communication & Technology, Dept of ECE, SVCE, Bengaluru 2021.
2. K.Anitha, presented a paper entitled **FPGA Implementation of Arbiter PUFs for ideal Cryptographic Key Generation** - 5<sup>th</sup> International Conference on Electronics, Communication and Aero Space Technology (ICECA), 2021.
3. T. Mahalakshmi, presented a paper entitled **Performance Analysis of DSR and Cache Customized DSR Steering Protocols in Wireless Mobile Adhoc Networks I-SMAC-SCAD Institute of Technology Palladam, 2021, PP: 1355-1363.**

4. C.SubbaRao, L. Madhavi Devi, B.Swati Lakshmi, presented a paper entitled **Design and Analysis of Loop Antenna for Wideband Operations** - 4<sup>th</sup> International conference on smart systems & innovative technology, Francis Xavier Engineering, Tirunelveli, India. 2022.
5. B.Swati Lakshmi, Dr.C.Subba Rao, L.Madhavi Devi, presented a paper entitled **A Compact Multi Band Antenna For Military and Modern Communication Application** - 4<sup>th</sup> International Conference on Smart Systems & Innovative Technology, Francis Xavier Engineering, Tirunelveli, India 2022.
6. L.Madhavi Devi, C.SubbaRao, B.SwatiLakshmi, presented a paper entitled **Analysis of Proximity Coupled Micro Strip Feed Linear Antenna Array for 5G Applications** - International Conference on Smart Systems & Innovative Technology, Francis Xavier Engineering, Tirunelveli, India, 2022.
7. V.S.D.Rekha, presented a paper entitled **Design and Development of Ultra Wide Band Antenna with Tri Band Notch** - 4<sup>th</sup> International Conference on Smart Systems & Innovative Technology, Francis Xavier Engineering, Tirunelveli, India, 2022.
8. V.S.D.Rekha, presented a paper entitled **Condition Monitoring and Detection of Hazardous Gas Leakage using Smart Device** - International Conference on Electronics and Renewable Systems ICEARS, St.Mother Theresa Engineering College Tamil Nadu, 2022.
9. A.Geetha Devi, presented a paper entitled **Optimization Strategies for High-Speed Electrical Trains Based on Artificial Intelligence for Cost and Energy Reduction** - 2022 International Conference on Electronics and Renewable Systems ICEARS, St.Mother Theresa Engineering College Tamil Nadu, 2022.

10. B.V. Subbayamma, presented a paper entitled **Implementation of Qos - Improved Region based routing Protocol to Enhance Energy Efficiency in MANET** - International Conference on Advanced Computing & Communication System ICACCS, Sri Eshwar College of Engineering (Autonomous), Coimbatore, Tamil Nadu, India, 2022.
11. K. Ramanjaneyulu, presented a paper entitled **Detection and classification of Lung Cancer using VGG-16** - 2<sup>nd</sup> International Conference (Virtual Conference) on Emerging Trends in Science, IEEE International Conference on Electronic Systems and Intelligent Computing(ICESIC-22), Vel Tech Rangarajan Dr S Agunthala R&D Institute of Science and Technology, Chennai, 2022.
12. B. Surya Prasada Rao, presented a paper entitled **Effective Cleaning System management using JSP and Servlet Technology** - 6<sup>th</sup> International Conference on Communication and Electronics Systems (ICCES-2021), PPG Institute of Technology, Coimbatore, 2021.
13. D.Swathi, presented a paper entitled **Reconfigurable Band Switching Antenna For Millimetre Wave Applications** - IEEE International Conference on Communication, Computing & Internet Of Things, Sai Ram Engineering College Chennai, 2022.
14. D. Swathi, presented a paper entitled **Internet of Things (IoT) based Comprehensive testing of 5G network for Specific Absorption Rate (SAR)** - 2022 International Conference on Electronics and Renewable Systems, St. Mother Theresa Engineering College Tuticorin, India,2022.
15. D.Praveena Bai, **Design and Implementation of CNN-FPGA accelerator based on Open Computing Language** - ICEEICT 2022, Ramakrishnan College of Engineering, Tiruchirappalli, Chennai. India, 2022.



## **OTHERS:**

1. J. Ravindra Babu, presented a paper entitled **A comparative study of NLP based Semantic Web Standard model using SPARQL database** - 2021 International Conference on Computing Sciences (ICCS), Phagwara, India, 2021.
2. K. Ramanjaneyulu, presented a paper entitled **Performance improvement of Breast Cancer Classification using Association rule and Synthetic Minority Oversampling Technique** - 2<sup>nd</sup> International Conference (Virtual Conference) on Emerging Trends in Science, Engineering and Management (ICETSEM-2021), 2021.
3. V Ratna Kumari, presented a paper entitled **Social Distance Monitoring** - International Conference on Recent Advancements and Innovations in Computing, Communications and Information Technology, NRI Institute of Technology, Vijayawada - India. 2022.
4. D. Hareesha, presented a paper entitled **Automatic Parking System** - International Conference on Recent Advancements and Innovations in Computing, Communications and Information Technology, NRI Institute of Technology, Vijayawada - India. 2022.
5. Md. Habibulla Mohammad, presented a paper entitled **Audio-Based Vehicular Collision Detector Using Machine Learning Algorithm** - Third International Conference on instrumentation, MEMS and bio sensing Technology, SRM Institute of Science & Technology, 2022.
6. K.Aruna Kumari, presented a paper entitled **Comparison of PAPR Reduction using ABC-FF Algorithm** - Second International Conference on Advances in Management, Engineering & Technology (ICAMET-2022), RSP Conference Hub, Coimbatore, Tamilnadu, India, June 2022.

## **BOOK CHAPTERS:**

1. J.Ravindra Babu, published a book chapter **Dark Web Pattern Recognition And Crime Analysis Using Machine Intelligence** - Machine Learning Models in Detecting Cyber Crimes and Cyber Terrorism in India, ISBN13:9781668439425, May 2022.