

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY (Autonomous)
KANURU, VIJAYAWADA
Department of Electronics and Communication Engineering

Academic Year 2024-25

1. INTERNATIONAL JOURNALS

a. SCI:

- i. **Dr.T. Haritha, Dr.V.S.D.Rekha** published a paper entitled **Isolation Improvement of UWB-MIMO Design Using Elliptical Stub** - IETE Journal of Research; ISSN: 0377-2063, Sep – 2024.
- ii. **Dr.V.S.D.Rekha** published a paper entitled **Design and analysis of Minkowski fractal shaped meta surface absorber with broadband and polarization-insensitive characteristics using a tunable graphene layer for terahertz applications** - Physica Scripta; Vol: 99, Issue: 8, Page Nos: 085934, ISSN: 0031-8949, July – 2024.

b. SCOPUS:

- i. **Dr.T.Mahalakshmi** published a paper entitled **Optimized Attention-Driven Bidirectional Convolutional Neural Network: Recurrent Neural Network for Facebook Sentiment Classification** - International Journal of Business Data Communications and Networking; Vol: 19, Issue: 1, Page Nos: 1-20, ISSN: 1548-0631, July – 2024.
- ii. **Dr.T.Haritha** published a paper entitled **A Split Ring Resonator Slot Based Fabricated Crescent Micro strip Patch Antennas for UWB Wireless System Applications** - ARPN Journal of Engineering and Applied Sciences; Vol: 19, Issue: 15, Page Nos: 992-1000; ISSN: 1819-6608, Aug – 2024.
- iii. **Dr.P.Venu Madhav**, published a paper entitled **A Deep Learning Approach for Detecting Malware Using Auto encoder** - IAENG International Journal of Computer Science; Vol: 51, Issue: 8, Page Nos: 1051-1059, ISSN: 1819-9224, Aug – 2024.

- iv. Mrs.L.Madhavi Devi, published a paper entitled **Yolo Alternates Grounded Garbage Taxonomy and Reprocessing Assistant** - Journal of Theoretical and Applied Information Technology; Vol: 102, Issue: 18, Page Nos: 6688–6696, ISSN: 1992-8645, Sept- 2024.
- v. Mrs.L.Madhavi Devi, published a paper entitled **Systematic Survey on Credit Card Fraud Transaction detection techniques** - Journal of Theoretical and Applied Information Technology; Vol: 102, Issue: 18, Page Nos: 6774–6781, ISSN: 1992-8645, Sept- 2024.
- vi. Mr.A.Ashok Babu, published a paper entitled **Multiclass Membrane Gash Uncovering And Taxonomy Using Amalgam Features Selection Based On Deep CNN** - Journal of Theoretical and Applied Information Technology, Vol:102, Issue: 19, ISSN No: 1992-8645, PP: 7103-7109, Oct - 2024.
- vii. Dr.A.Geetha Devi published a paper entitled **Detection and Classification of Diabetic Retinopathy using YOLO-V8 Deep Learning Methodology** - Journal of Theoretical and Applied Information Technology; Vol: 102, Issue: 21, Page Nos: 7580-7588, ISSN: 1992-8645, Nov- 2024.
- viii. Mrs.D.Swathi, published a paper entitled **IoT-Based Intelligent Energy Management for EV Charging Stations** - IAENG International Journal of Computer Science, Vol:51, Issue: 11, ISSN No: 1819-9224, PP: 1853-1861, Nov - 2024.
- ix. Dr. P. Venu Madhav, published a paper entitled **Deep CNN Based Empirical Investigations to Skin Graze Uncovering and Cataloguing Using Hybrid Features Selection** - Journal of Theoretical and Applied Information Technology, Vol:102, Issue: 22, ISSN No: 1992-8645, PP: 7989-7997, Nov - 2024.

- x. Dr.B.Surya Prasada Rao published a paper entitled **Performance Analysis of Conventional and Deep Learning Image Fusion Methods** - Journal of Theoretical and Applied Information Technology; Vol: 102, Issue: 23, Page Nos: 8784-8791, ISSN: 1992-8645, Dec - 2024.
- xi. Dr.T.Balaji published a paper entitled **Autonomous Drone with LiDAR camera Fusion Based Calibration and GNSS for Smart Navigation Applications** - Journal of Engineering Science and Technology; Vol: 19, Issue: 6, Page Nos: 2091-2196, ISSN: 1823-4690, Dec - 2024.
- xii. Dr.K.Ramanjaneyulu published a paper entitled **Empirical Investigations to Detection of Liver Cancer Using Mobile unet** - Journal of Theoretical and Applied Information Technology; Vol: 102, Issue: 23, Page Nos: 8565-8576, ISSN: 1992-8645, Dec - 2024.
- xiii. Dr. J.Ravindra Babu published a paper titled **Analyzing the Effectiveness of ML and DL in Combatting Personal Condition Misinformation on Social Media** in IAENG International Journal of Computer Science; ISSN:1819-9224, Vol:52, Issue: 1, pp: 258-267, Jan - 2024.
- xiv. Dr.T.Balaji published a paper titled **Authentication using facial expression detection** in the Journal of Theoretical and Applied Information Technology; ISSN:1992-8645, Vol:103, Issue:2, pp: 725-731, Jan - 2025.
- xv. Ms.T.Sushma published a paper titled **A Miniaturized Quad Port Highly Isolated Triple Band Notched UWB-MIMO Diversity Antenna** in the Progress in Electromagnetics Research C; ISSN: 1937-8718, Vol: 152, Issue: 2025, pp: 43-53, Jan-2025.
- xvi. Dr.T.Balaji published a paper titled **Air Quality Prediction Using IOT and Neural Networks-An Empirical Analysis** in the Journal of Theoretical and Applied Information Technology; ISSN: 1992-8645, Vol: 103, Issue:3, pp:1076-1082, Feb - 2025.

- xvii. Mr.K.Phani Rama Krishna published a paper titled **Dissolved Oxygen Level Measurement in Water using IOT and Machine Learning** in Journal of Theoretical and Applied Information Technology; ISSN: 1992-8645, Vol:103, Issue:3, pp:1426-1431, Feb - 2025.
- xviii. Mr.A.Ashok Babu published a paper titled **Optimized Classification with CBGRU-CapNet on Thermographic Analysis to Detect Diabetic Foot Ulcers with Precise Diagnosis** in the Journal of Biomedical Photonics & Engineering ; ISSN: 2411-2844, Vol:11, Issue:1, pp: 010306 -1 - 010306 -15, Mar - 2025.
- xix. Dr. Habibulla Md published a paper titled **Implementation of deep belief neural network on energy efficient Routing Algorithm in WSN** in the International Journal of Electronics and Telecommunications; ISSN: 2300-1933, Vol:71, Issue:1, pp: 309-315, Mar - 2025.
- xx. Dr. A Geetha Devi published a paper titled **A new multimodal medical image fusion framework using Convolution Neural Networks** in the Journal of Medical Engineering & Technology; ISSN: 1464-522X, Vol:49, Issue:1, pp:1-8, Apr- 2025.
- xxi. Mrs. Ch. SriLakshmi published a paper titled **Analysis of a Tetra-Band Microwave Bandpass Filter for Satellite Communication Applications** in the International Journal of Microwave and Optical Technology; ISSN: 1553-0396, Vol:20, Issue:2, pp: 160-168, May - 2025.
- xxii. Dr. Ch Gangadhar published a paper titled **Wearable sensor-based fall detection for elderly care using ensemble machine learning techniques** in the Measurement: Sensors; ISSN: 2665-9174, Vol:39, Issue:1, pp: 101870, June - 2025.
- xxiii. Dr. Habibulla Mohammad published a paper titled **Exploring the transformative role of Artificial Intelligence in Healthcare** in the Journal of Theoretical and Applied Information Technology; ISSN: 1992-8645, Vol:103, Issue:11, pp: 4769-4780, June - 2025.

2. INTERNATIONAL / NATIONAL CONFERENCES:

- i. Dr.T. Mahalakshmi presented a paper titled **Enhancement of Network Security in MANET using Adaptive Coronavirus Herd Immunity Optimizer (ACHIO) Algorithm for IoT Applications** - 3rd International Conference on Applied Artificial Intelligence and Computing (ICAAIC-2024), R P Sarathy Institute of Technology, 5th - 7th June, 2024.
- ii. Dr.V.Ratna Kumari presented a paper titled **Integration of Non- Decimation and PCA in Wavelet Based Multi-Band Ear Recognition** - 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), Kamand, India, 26th - 28th June, 2024.
- iii. Dr.V.S.D. Rekha, Dr.B.Surya Prasada Rao presented a paper titled **AI Driven Pathole Recognition and Autonomous Vehicle Alert System** - 5th International Conference on Smart Electronics and Communication (ICOSEC), Trichy India, 18th – 20th Sept, 2024.
- iv. Mr.T.Balaji presented a paper titled **Image Generation using Deep learning based Vector Autoencoders** - 3rd International Conference for Advancement in Technology (ICONAT), IEEE Bombay section, 13th - 14th Sept, 2024.
- v. Mrs.D.Swathi presented a paper titled **Low Power FPGA Implementation of ECG monitoring in WBAN** - 2024 International Conference on Integration of Emerging Technologies for the Digital World (ICIETDW), 13th -14th Sept. 2024, RMD Engineering college, Tamilnadu, India.
- vi. **Dr.Ch.Subba Rao** presented a paper titled **Frequency Detuning and Performance Analysis in Circularly Polarized Dual-Band Wearable Antenna for Body Area Networks under Bending Conditions** - 2025 4th International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), Ballari Institute of Technology & Management, 25th - 26th April. 2025

- vii. **Dr.T.Haritha** presented a paper titled **Evaluation of Channel Performance in XL-Multiple-input Multipleoutput: Far-Field vs Near-Field** - 2025 3rd International Conference on Augmented Intelligence and Sustainable Systems (ICAISS), Trichy, India, 21st - 23rd May, 2025.

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- viii. Dr.V.S.D. Rekha presented a paper titled **Energy Efficient Clustering in Wireless Sensor Networks using Arithmetic Optimization Algorithm** - International Conference on Inventive Computation Technologies ICICT2025, Kirtipur Nepal, 23rd-25th April, 2025.

