R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

RSM NAGAR, PUDUVOYAL- 601206

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FACULTY CONFERENCE PUBLICATIONS [JUL 2023 - MAY 2024]

ACADEMIC YEAR 2023-2024

1. **Theodore Kingslin M.,** Shobana S., Shakunthala M., Vimala Josphine C., "**IoT based on Smart Traffic Lights and Streetlight System**", 2nd International Conference on Edge Computing & Application (ICECAA 2023), organized by, Gnanamani College of Engineering, Namakkal, Tamilnadu on 19.07.2023 to 21.07.2023.

2. **Sesha Vidhya S., Dr. Shanthi K G.,** "**Predictive Analytics for Stress Management in the Digital Workplace using IoT**", International Conference on Sustainable Communication Networks and Application (ICSCNA 2023), organized by, Bharath Niketan Engineering College, Theni on 15.11.2023 to 17.11.2023.

3. Prabaharan ; **Sesha Vidhya S**; K. Venkatesh ; Suma Christal Mary Sundararajan ; Shobana G ; Srimathi S, **"Group Teaching Optimization Algorithm with Machine Learning Model for Big Data Analytics",** 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA 2023), organized by, Bharath Niketan Engineering College Theni, India on 15.11.2023 to 17.11.2023.

4. **Dr. K. G. Shanthi.,** M. S. Kavitha, P. Rajeswari, J. N, S. Kumar and S. D. Lalitha, **"Latency Reduction in mmWave VLSI Circuits through Gravitational Learning",** 2023 International Conference on Advances in Computation, Communication and Information Technology (ICAICCIT), Faridabad, India on 23.11.2023 & 24.11.2023.

5. **Dr. K. G. Shanthi.,** J. N, M. Ali Sohail, M. Dinesh Babu, C. L. K R and B. Mritthula, **"Latency Minimization in 5G Network Backhaul Links Using Chaotic Algorithms",** 2023 International Conference on Advances in Computation, Communication and Information Technology (ICAICCIT), Faridabad, India, on 23.11.2023 & 24.11.2023.

6. **Sesha Vidhya S.,** Revathi V., Rampriya S., Punithamary M., **"Alcohol detector using MQ3 sensor with alert buzzer and OLED Indication",** 3rd National Conference on"FRESHCON2K23", organized by, ASET College of Science and Technology, Chennai, on 24.11.2023

7. **Sangeethalakshmi K.,** **"Smart Ergonomic Practices with IoT and Cloud Computing for Injury Prevention and Human Motion Analysis",** 1st International Conference on Artificial Intelligence for Innovations in Healthcare Industries (ICAIIHI-2023), organized by, Shri Shankaracharya Institute of Professional Management and Technology Raipur, Chhattisgarh, India from 29.12.2023 & 30.12.2023.

8. **Sangeethalakshmi K.,** **"Smart Biomechanics System with IoT and Cloud Computing for Injury Prevention and Muscle Fatigue",** 2023 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), organized by, Ghousia College of Engineering , Bangalore, Karnataka , India from 29.12.2023 & 30.12.2023.

9. **Sesha Vidhya S.,** Sreemitha T S., Shanija S R., Varshini S., Srisha V., **"Audio Augmented reality smart glass",** National Conference on Recent Advances in Mechanical Sciences-NCRAMS'23, organized by, Rajalakshmi Engineering College, on 15.12.2023 & 16.12.2023.

10. **Sesha Vidhya S.,** Srinath M.,Vishwanathan S., Yeshwanth V G., Suriya Babu P., **"Celestial Glide",** National Conference on Recent Advances in Mechanical Sciences-NCRAMS'23, organized by, Rajalakshmi Engineering College, on 15.12.2023 & 16.12.2023.

11. **Sesha Vidhya S.,** Maaneesha S., Kalluru Bhavitha., Nivetha S., **"Integration of Optical Network with Radio Access Network",** National Conference on Recent Advances in Mechanical Sciences-NCRAMS'23, organized by, Rajalakshmi Engineering College, on 15.12.2023 & 16.12.2023.

12. **Sesha Vidhya S., "Advanced Deep Learning Method for Thyroid Nodule Detection and Evaluation in Ultrasound Images",** 2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), organized by, REVA University Bengaluru, India, on 04.01.2024 to 06.01.2024.

13. S. Vijayalakshmi, B. Madhavi, J. N, G. S. Bansode, N. Sharma and **Dr. K. G. Shanthi.,** **"Smart Education With Iot And Ai: Revolutionizing Learning In The Digital Age",** 2024 2nd International Conference on Disruptive Technologies (ICDT), organized by, GL Bajaj Institute of Technology and Management, Greater Noida, India, on 15.03.2024 & 16.03.2024.

14. **Sesha Vidhya S.,** Srinath M ,Yeshwanth VG , Yogesh B, Yashwanth Kumar T S , **"Design of Compact Dual Band Antenna for Wearable Applications",** 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024), organized by, Velammal Institute of Technology, on 21.03.2024 & 22.03.2024.

15. **Sesha Vidhya S.,** Sreemitha T S,Varshini S, Shanija S R, Srisha V, **"Performance Enhancement of Compact Tri Sphere Unified Dual Band Patch Antenna",** 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024), organized by, Velammal Institute of Technology, on 21.03.2024 & 22.03.2024.

16. **Sesha Vidhya S.,** Nivetha R., Nethra P.,and Hareni, **"Identification of different medicinal plants using Machine Learning Algorithms",** 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024), organized by, Velammal Institute of Technology, on 21.03.2024 & 22.03.2024.

17. **Dr. Shanthi K G.,** Maaneesha S, Kalluru Bhavitha, Kavitha C, Kaviya Sri R, Jansi K, Mithra M D, **"Flexible Ultra Wideband Wearable Antennas Design and Performance Metrices for Biomedical Applications",** 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024), organized by, Velammal Institute of Technology, on 21.03.2024 & 22.03.2024.

18. **Dr. Shanthi K G.,** Kavitha C, Jansi K, Srijaa J, Shreenidhi D, **"Li-Fi-based Underwater Transmission",** 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024), organized by, Velammal Institute of Technology, on 21.03.2024 & 22.03.2024.

19. **Dr. Muthumanickam S.,** Devaraj P, Ashwin, Gokul S **"Intelligent System for Fundus Disease DIagnosis Exploring advanced classification and Segmentation algorithms",** 2nd International Hybrid Mode Conference on Renewable Energy Challenges and New Trends in Hybrid Solar Cell Technology, organized by, Sairam Engineering College, on 21.03.2024 & 22.03.2024.

20. S.Kaviya, A.Sam Ricky, S.Gowtham, Srigitha.S.Nath, R.Jennie Bharathi,, **Dr. Praveena N G.,** **"Brain Tumor Localization and Multimodal Segmentation in MRI Images by Automated Process",** 2nd IEEE International Conference on Knowledge Engineering and Communication Systems (ICKECS 2024), organized by, SJC Institute of Technology , Chickballapur, Karnataka, on 18.04.2024 & 19.04.2024.

21. Prabakaran D, **Dr. Praveena N G.,** Beulah Jackson, S.Varalakshmi, G.Uma Maheswari, **"A Secure Multi-Factor Authentication System using ElGamal Bakers Map Function in Virtual Private Network",** 3rd International Conference On Distributed Computing And Electrical Circuits And Electronics (ICDCECE-2024), organized by, Ballari Institute of Technology and Management, Ballari, Karnataka, on 26.04.2024 & 27.04.2024.