



**R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY**

RSM NAGAR, PUDUVOYAL- 601206



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

## **FACULTY CONFERENCE PUBLICATIONS**

### **Academic Year 2020-2021**

1. **Jasmine Vijithra A** , Shakthi Murugan K H., Padmavathi B., Jacintha V and Sumathi K., **“A Novel Rescue Bot for Borehole Accidents”**, IOP Conference. Series: Materials Science and Engineering 872, 012044: doi:10.1088/1757-899X/872/1/012044, June 2020. **(Scopus Indexed)**.
2. **Muthumanickam S.**, Kiran R Vishnu C., **“Hardware Implementation of Real Time Video Watermarking using DWT and SVD in FPGA”**, 5th International Conference on Microelectronics Computing & Communication Systems (MCCS-2020), at Ranchi on 11.07.2020.
3. **Muthumanickam S.**, Saranya R, Perezhil NM, Sangeetha, **“Detection of Breast cancer lesions using Deep learning”**, 5th International Conference on Microelectronics Computing & Communication Systems (MCCS-2020), at Ranchi, on 2.07.2020.
4. **Babu M.**, Sathish Kumar G A., **"Pipelined SMS4 Cipher Design for Fast Encryption using Twisted BDD S-Box architecture"**, AICTE sponsored Online International Conference on Smart Materials & Emerging Technologies for Industry 4.0, at SVCE, Sriperumbudur on 16.10.2020.
5. **Aishwarya N., Praveena NG.**, Akash Arumugam B S, Pramod J., **"Photo Book Creation Using Face Recognition And Machine Learning"**, Virtual International Conference on Futuristic Communication and Future Technologies, at VIT University Chennai on 06.11.2020 and 07.11.2020.
6. **Sudharsanam V.**, Shakthi Murugan KH., Padmavathi B., Judy Simon., Jacintha V and Sumathi K., **“BER analysis of 40 Gbps Ro-FSO Communication System for 5G applications under fog weather conditions”**, 7th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering from 27.11.2020 to 29.11.2020.

7. **Bharatha Sreeja G., and Inbamalar TM., "Detection of Breast Cancers Using Neural Network with Grey Level Co-occurrence Matrix"**, 6th International conference on Nano electronics, circuits and communication systems, (NCCS-2020), at ARTTC, BSNL near Jumar River, Hazaribagh Road, Ranchi, on 19.12.2020 and 20.12.2020.**(Best Paper Award).**
8. **Bharatha Sreeja G., Mubeen Begam Saleem., Podili Sai Dinesh., "Issues with perimeter-based network Security and a better model to resolve them"**, Global E-Conference on Smart Innovations in Engineering Systems and Technology – 2020, SIEST'20, at Jagannath Institute of Technology on December 27th, 2020.**Won Best Presented Award.**
9. **Bharatha Sreeja G., Panta Nishith Reddy., "Li-Fi over Wi-Fi"**, Global E-Conference on Smart Innovations in Engineering Systems and Technology – 2020, SIEST'20, at Jegannath Institute of Technology, on 27.12.2020. **Won Best Presented Award.**
10. **Bharatha Sreeja G., Namburi Priyanka., "Augmented Reality"**, Global E-Conference on Smart Innovations in Engineering Systems and Technology – 2020, SIEST'20, at Jegannath Institute of Technology, on 27.12.2020. **Won Best Presented Award.**
11. **Bharatha Sreeja G., Podili Sai Dinesh., "Advanced technology for Human Vision using Bionic Eye"**, Global E-Conference on Smart Innovations in Engineering Systems and Technology – 2020, SIEST'20, at Jegannath Institute of Technology, on 27.12.2020. **Won Best Presented Award.**
12. **Kannan K., Rosaline S., Joseline Jeya Sheela., "Detection Of Tumor In Nervous Tissue Using Radar Based Design"**, International Conference on Computer Communication and Informatics at Sri Shakthi Institute of Engineering and Technology, Coimbatore, from 27.01.2021 to 29.01.2021.
13. **Hedayathbasha S K., Arun C., Nimitha N., and Jaiganesh S., "An Intelligent Secure Image Transmission System Using Elliptic Curve Cryptography"**, 1st international Conference on Nanoelectronics, Machine Learning, Internet of Things, and Computing Systems (NMIC-2021) organized by IETE and ISVE , at Advanced Regional Telecom Training Centre, BSNL, Ranchi, on 13.03.2021 and 14.03.2021.

14. **Jai Ganesh Sekar., Arun C., Dhivya K., Shaik Hedayath Basha, “An Improved Chaotic Image Encryption Scheme via Bit Pair Level Process and Logistic Map with applications to Secure Image Transmission”**, 1st international conference on Nanoelectronics, Machine Learning, Internet of Things, and Computing Systems (NMIC-2021) organized by IETE and ISVE at Advanced Regional Telecom Training Centre, BSNL, Ranchi, on 13.03.2021 and 14.03.2021.
15. **Arun C., Dhivya K and Jaiganesh S., “Highly Efficient Supervised Learning Denver Group of Human Chromosome Classification Using Convolutional Neural Network”**, Nanoelectronics, Machine Learning, Internet of Things & Computing Systems (NMIC-2021) , organized by IETE and ISVE, at Advanced Regional Telecom Training Centre, BSNL, Ranchi, on 13.03.2021 and 14.03.2021.
16. **Dhivya K., Arun C., Hedayathbasha S K., “Efficient Coalition Formation Algorithm For Single Cell Environment In D2D communication”**, 1st International Conference on Nanoelectronics, Machine Learning, Internet of Things, and Computing Systems (NMIC-2021) organized by IETE and ISVE, at Advanced Regional Telecom Training Centre, BSNL, Ranchi, on 13.03.2021 and 14.03.2021.
17. **Mary Anita., Arun C., Jaiganesh S., Nimitha N., “A study for the prediction of mutated cell using Digital Processing Techniques”**, 1st International Conference on Nanoelectronics, Machine Learning, Internet of Things, and Computing Systems (NMIC-2021) organized by IETE and ISVE, at Advanced Regional Telecom Training Centre, BSNL, Ranchi, on 13.03.2021 and 14.03.2021.
18. **Bharatha Sreeja G., Madhumitha V., Induja S., Job Nancy Roselen., Jeevitha G V., “Methods in Diagnosis of Breast Cancer using Mammographic Images”**, 1st International Conference on Nanoelectronics, Machine Learning, Internet of Things, and Computing Systems (NMIC-2021) organized by IETE and ISVE, at Advanced Regional Telecom Training Centre, BSNL, Ranchi, on 13.03.2021 and 14.03.2021.
19. **Inbamalar T M., Bharatha Sreeja G., “Recent Trends in Electromyography Signal Processing of Neuromuscular Diseases”**, An Outlook 2021 International Conference on Advanced Computing and Intelligent Technologies (ICACIT) is being Jointly organized by Galgotias University and Department of Information Engineering and Mathematics University, Di Siena, Italy, on 20.03.2021 and 21.03.2021. .

20. **Sandhiya G.**, Rajkumar M.,Shobha Rani P., **“An Adaptive Intelligent Retrieval Approach For Disease And Dissimilarity Detection In Plant Leaves”**, International Conference on Intelligent Computing Smart Communication And Network Technologies at R.M.K Engineering College, Chennai, on 26.03.2021 and 27.03.2021.
21. **Muthumanickam S.**, Vinodhkumar N., Rajendrakumar **“Performance Analysis of Gray to Binary code converter using GDI Technique”**, International Conference ICMISC, at Hyderabad, on 28.3.2021.
22. **Sivalakshmi P., Shanthi K G., Sangeethalakshmi K., Seshavidhya S** and Rajkumar M., **“Smart Auction flow model for Agro-Based Sector farmers using Blockchain Technology”**, 2021 IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nano bioscience and Nanotechnology (5NANO 2021), at Mangalam College of Engineering, Kottayam, Kerala, on 29.04.2021 and 30.04.2021. .
23. **Nimitha N.**, Abbiraamavallee S., Elakiya E., Harini J., Kotishree Y., **“A Survey On VGG Architecture of Deep Convolutional Networks in Medical Field Applications”**, International Conference on Innovations in Electronics and Communication Systems - ICIECS 2021, at R.M.K College of Engineering and Technology, on 06.05.2021 and 07.05.2021.
24. **NimithaN.**, Aarthi J., Bhuvaneshwari M., Brindha L., Divya P L., **“Skin Disease Identification From Dermoscopy Images Using Deep Convolutional Neural Network”**, International Conference on Innovations in Electronics and Communication Systems - ICIECS 2021, at R.M.K College of Engineering and Technology, on 06.05.2021 and 07.05.2021.
25. **Nimitha N.**, Narmadha V., Pooja Shree K.,Lohitha M., **“Footstep Power Generation Using Piezo Sensor”**, International Conference on Innovations in Electronics and Communication Systems - ICIECS 2021, at R.M.K College of Engineering and Technology, on 06.05.2021 and 07.05.2021.
26. **Dhivya K.**, Viswajit PV., Suman R., Vadivelan, Vignesh K. , **“Augmented Reality car application for android”**, International Conference on Innovations in Electronics and Communication Systems - ICIECS 2021, at R.M.K College of Engineering and Technology, on 06.05.2021 and 07.05.2021.

27. **Kannan K.**, Preethi R., Preethi S., Rome Ann ., Sandhiya R., **“Drowsiness Detection System Using Tilt Sensor”**, International Conference on Innovations in Electronics and Communication Systems - ICIECS 2021, at R.M.K College of Engineering and Technology, on 06.05.2021 and 07.05.2021.
28. **Babu M.**, Saignanasri K., Mohanambikai A., Monikadevi A., LakshmiManasa S., **“Automatic Hand Sanitizer Dispenser”**, International Conference on Innovations in Electronics and Communication Systems - ICIECS 2021, at R.M.K College of Engineering and Technology, on 06.05.2021 and 07.05.2021.
29. **Chettiyar Vani Vivekanand.**, Ragasupraja S., Sasi Kumar G., Sanjay Kumar S., Yukeshkumar R., **“Online medical consultation and Healthcare Support with Medical camp organization”**, International Conference on Innovations in Electronics and Communication Systems - ICIECS 2021, at R.M.K College of Engineering and Technology, on 06.05.2021 and 07.05.2021.
30. **Rajalakshmi S.**, Sneha R., Surasani Mounika., Vaishali N., Yashwini., **“Arduino Car Speed Detector”**, International Conference on Innovations in Electronics and Communication Systems - ICIECS 2021, at R.M.K College of Engineering and Technology, on 06.05.2021 and 07.05.2021.
31. **Jasmine Vijithra A.**, Swetha R., Sanjana K., Tharani G., Srinidhi G., **“Rain Sensor and Automatic Irrigation System using Soil Moisture Sensor”**, International Conference on Innovations in Electronics and Communication Systems - ICIECS 2021, at R.M.K College of Engineering and Technology on 06.05.2021 and 07.05.2021.