



Paper Published in Journal by Faculty

Academic Year 2020-2021

1. **Babu M.**, Sathish Kumar GA., “**Enhanced Moth Flame Optimization based supervision kernel entropy component analysis for high speed encrypted transmission model**”, International Journal of Communication Systems, May 2021, <https://doi.org/10.1002/dac.4831>. (**SCIE, Web of Science, IF=1.391**).
2. **Sesha Vidhya S., Shanthi KG.**, Manikandan A and Senthil Kumar K., “**Detection of Heart Problem Using Internet of Things Application**”, International Journal of Current Research and Review, Vol. 13, No. 9, May 2021, ISSN: 2231-2196 (Print), <http://dx.doi.org/10.31782/IJCRR.2021.13909> (**SCOPUS Indexed**).
3. Rajkumar M., **Sandhiya G.**, ShobhaRani P., KeerthiPriya R., Deepika B and Illakiya S “**On The Spot (Realtime) Accident Information & Insurance Dispute Resolution**”, Turkish Journal of Computer and Mathematics Education, Vol. 12, No. 10, April 2021, pp. 1897-1904.21.13909.
4. ShobhaRani P., **Sivalakshmi P.**, Akarsh A., Bhanuhithesh C and Aneesh C., “**Characterization Of Plant Disease Prediction Using Convolutional Neural Network**”, Turkish Journal of Computer and Mathematics Education, Vol. 12, No. 10, April 2021, pp. 1905-1912.21.13909.
5. Ramkumar S., Rajeev Kumar M., **Rajalakshmi S** and Rathi M., “**Patient health care intensive care system using wearable band sensor network**”, Materials today proceedings, Elsevier, April 2021, Proceedings, <https://doi.org/10.1016/j.matpr.2021.03.655> (**SCOPUS Indexed**).
6. Smiti Tripathy., Sivakumar R., Simran Nair and **Inbamalar T M.**, “**An Analysis and Detection of Nephrolithiasis using Imaging Technique**”, International Journal of Biology and Biomedical Engineering, Vol. 5, March 2021, pp. 36-46. (**SCOPUS Indexed**).

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8. **Chettiyar Vani Vivekanand** and Bhoopathy Bagan K., “Performance Analysis of Robust GRCR based Spectrum Detector using Compressed Sensing with Non-Reconstruction Model”, Wireless personal communication, March 2021, ISSN:0929-6212, pp. 1823-1837, DOI: 10.1007/s11277-021-08324-3, (**SCIE, Web of Science IF=1.061**)
9. **Sesha Vidhya S.**, Rukmani Devi D., **Shanthi KG** and Nowshith Parveen., “Design of UWB Slot Antenna for WBAN Application”, International Journal of Current Research and Review, Vol. 13, No. 6, March 2021, ISSN: 2231-2196 (Print), <http://dx.doi.org/10.31782/IJCRR.2021.13613> (**SCOPUS Indexed**).
10. Sathies Kumar T. and **Arun C.**, “Integration of Optimized Neural Network and Convolutional Neural Network for Automated Brain Tumor Detection”, Sensor Review, Vol. 41, No.1, February 2021, ISSN 1758-6828, (**SCIE, Web of Science IF=1.217**)
11. **Shanthi KG., Seshavidhya S.,**Keerthi B., Niviya B R., Manimegalai S and Nisha A., “IoT based Portable Artificial Electronic Olfactory System for the Safety of Manual Scavengers”, ARPN Journal of Engineering and Applied Sciences, Vol.16, No.3, February 2021,ISSN 1819-6608 (**SCOPUS Indexed**).
12. Maria Michael Visuwasam L., Subbiah Swaminathan., **Rajalakshmi S** and Pradheep Kumar K., “A Hotspot Framework for Analyzing Geolocated Travel Data Using Spark”, Annals of R.S.C.B, Vol.25, No. 1, January 2021, pp. 1956-1966, ISSN 1583-6258 (**SCOPUS Indexed**).
13. Maria Seraphin Sujitha S., Kannan P., **Bharatha Sreeja G.**, and Maheshwari S., “Adaptive Hybrid Remote Sensing Image Fusion of Panchromatic and Multispectral Images”, Solid State Technology, Vol.64, No.2, January 2021, ISSN 0038-111X (**SCOPUS Indexed**)
14. **Babu M** and Sathish Kumar G., “Design of novel SMS4-BSK encryption transmission system”, Integration the VLSI journal, Published Online, ISSN 0167-9260, January 2021, <https://doi.org/10.1016/j.vlsi.2021.01.003> (**SCIE, Web of Science IF=1.214**).

15. **Bharatha Sreeja G.**, Mubeen begum., Venkata Sravya., Dhivya K. and Jayashree R., **“Issues with perimeter based network security and a better model to resolve them”**, European Journal of Molecular & Clinical Medicine, Vol.7, No.9, pp. 2437-2444, December 2020 **(SCOPUS Indexed)**
16. **Kannan K and Rosaline S.**, **“Information Exchange between Vehicles using Abetted Universal locating Structure in mobile vehicular network”**, European Journal of Molecular & Clinical Medicine, Vol.7, No.3, pp. 1582-1589, December 2020 **(SCOPUS Indexed)**
17. **Deepa D., Manju M and Sathyaraj P.**, **“Improved audit- based malevolent node detection and energy efficiency for health care applications”**, European Journal of Molecular & Clinical Medicine, Vol.7, No.3, December 2020 **(SCOPUS Indexed)**
18. Rajkumar M., **Sandhiya G.**, Shobha Rani P., Gnanasekar A., Padmapriya K and Sangeetha K., **“Localization of wireless sensor network in RSSI Zigbee independent monitoring system in prison for prisoners”**, Materials Today: Proceedings (ELSEVIER), In Press, Available online December 2020, <https://doi.org/10.1016/j.matpr.2020.10.909> **(SCOPUS Indexed)**
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20. **Sesha Vidhya S.**, Rukmani Devi D and **Shanthi KG.**, **“Human Muscle Mass Measurement through passive Flexible UWB-Myogram Antenna sensor to diagnose Sarcopenia”**, Microprocessors and Microsystems, Vol. 79, November 2020, DOI: <https://doi.org/10.1016/j.micpro.2020.103284>, **(SCIE, Web of Science IF=1.161)**.
21. **Sivachandar K.**, V. Thulasi Bai and **Gangatharan N.**, **“Power prediction and suboptimal Performance identification of solar panels using Machine learning”**, Journal of Green Engineering, Vol. 10, No. 9, October 2020, pp.6455-6467. **(SCOPUS Indexed)**
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23. K H Shakthi Murugan, **Sudharsanam V**, Padmavathi B, Judy Simon, Jacintha V, Sumathi K, "**BER analysis of 40 Gbps Ro-FSO Communication System for 5 G applications under Fog Weather Conditions**," 2020 IEEE 7th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), 2020, pp. 1-6, doi: 10.1109/UPCON50219.2020.9376490. (**SCOPUS Indexed**).
24. **Vijayanand R.**, Sriram N., Senthil A., Rohit Kumar R and Sakthivel G., "**Smart Surveillances using PIR Sensors**", International Journal of Innovative Research in Technology, vol. 7, No. 4, September 2020, pp. 224-227.
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29. **Babu M** and Sathish Kumar GA., "**Design of Faster SMS4 Crypto System with Efficient XOR Gate**", International Journal of Advanced Science and Technology, Vol. 29, No. 3, September 2020, ISSN:2005-4238, pp. 13494-13499. (**SCOPUS Indexed**)
30. Shakthi Murugan KH and **Jasmine Vijithra A.**, "**A 40Gbps R0- FSO Transmission System For 5G Applications**", OPTOELECTRONICS AND ADVANCED MATERIALS-Rapid Communications, Vol. 14, No. 7-8, August 2020, ISSN 1842-6573, pp. 306-309. (**SCIE, Web of Science IF=0.445**)
31. **Jai Ganesh S.**, Yashwin Kumar H., Ravishankar N and Pavan G, "**Alcohol detection and vehicle control**", Journal of Xidian University, Vol. 14, No. 8, August 2020, ISSN No:1001-2400, Page No: 45 - 62.

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33. **Sathyaraj P** and Rukmani Devi D, “**Designing the routing protocol with secured IoT devices and QoS over Manet using trust-based performance evaluation method**”, Journal of Ambient Intelligence and Humanized Computing, July 2020, ISSN 1868-5137, DOI: 10.1007/s12652-020-02358-4. **(SCIE, Web of Science IF=3.42)**.
34. **Nimitha N.**, Nisha E., Niveditha M., Naidu Neha and Pabbaraddy Sai Sumyuktha, “**IoT Based Implementation of Self Sufficient Glaucoma Detection and Classification Using Fundus Image of Eye by CNN Method**”, Journal of Xidian University, Vol. 14, No. 7, July 2020, <https://doi.org/10.37896/jxu14.7/020>, ISSN No:1001-2400.
35. **Jai Ganesh Sekar and Arun C.**, “**Comparative performance analysis of chaos based image encryption techniques**”, Journal of Critical Reviews, Vol. 7, No. 9, July 2020, ISSN- 2394-5125, pp.1138-1143. **(SCOPUS Indexed)**
36. **Babu M.**, Sushmitha J., Veerareddy Mounika and Yamini G, “**Augmented reality glass for hearing impaired People**”, Journal of Xidian University, Vol. 14, No. 7, pp. 160-170, July 2020, <https://doi.org/10.37896/jxu14.7/019>.
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47. Shakthi Murugan K H., **Jasmine Vijithra A.**, Padmavathi B., Jacintha V and K Sumathi., “**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)**.
48. **Dhivya K., Arun C,** Vidhya Shree C., Sweta R and Tamilarasi S., “**Resource Allocation Algorithms for Indoor D2D Communication**”, International Journal of Engineering and Advanced Technology (IJEAT), Vol. 9, No. 5, June 2020, pp. 1292-1296, DOI: 10.35940/ijeat.E1134.069520.

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