



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Paper Published in Journal by Faculty**

**ACADEMIC YEAR 2019-2020**

1. **Kannan K.**, Devaraju M and Rosaline S., "**Priority Value based Discriminate Routing to Improve Quality of Service in Mobile ADHOC Network**", Journal of Advanced research in Dynamical and Control System, Vol. 11, No. 10, September 2019, pp. 868-877. DOI: 10.5373/JARDCS/V11SP10/20192882. **(SCOPUS Indexed)**
2. Rajasekaran B and **Arun C.**, "**Detection of Residual Nodes in WSN Networks using Feature Optimization Technique with ANFIS Classification Method**", Journal of Advanced research in Dynamical and Control System, Vol. 11, No. 8, September 2019, pp. 187-194. **(SCOPUS Indexed)**
3. **Shanthi K G** and Manikandan A., "**An Improved Adaptive Modulation and Coding for Cross Layer Design in Wireless Networks**", Wireless Personal Communications, Vol. 108, No.2, September 2019, pp. 1009–1020, DOI: 10.1007/s11277-019-06448-1. **(SCIE, WEB OF SCIENCE, IF= 1.20)**.
4. Gobalakrishnan Natesan and **Arun Chokkalingam**, "**Multi-Objective Task Scheduling Using Hybrid Whale Genetic Optimization Algorithm in Heterogeneous Computing Environment**", Wireless Personal Communications, Vol. 110, No.2, October 2019, pp. 1887–1913, DOI: <https://doi.org/10.1007/s11277-019-06817-w>. **(SCIE, WEB OF SCIENCE, IF= 1.20)**.
5. **Kannagi V** and Jawahar A., "**Epidermal Antenna in Palmar Arch Region for Anaemia Detection to Avoid Peripheral Perfusion Artifact in Optical Sensor During Hemoglobin Measurement**", Microsystems Technologies, November 2019, pp. 1-9, DOI: <https://doi.org/10.1007/s00542-019-04675-x> **(SCIE, WEB OF SCIENCE, IF= 1.513)**.

6. **Sesha Vidhya S., Rukmani Devi and Shanthi KG., “Performance Enhancement of Microstrip UWB Patch Antenna with SRR for Wireless Body Area Networks”,** International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075, Vol. 9 Issue-1S, November 2019, pp. 112-115. DOI: 10.35940/ijitee.A1025.1191S19. **(Scopus Indexed- Discontinued in Jan 2020).**
7. **Bharatha Sreeja G., Inbamalar T M and Ciyamala Kushbu S., Lasipa A., Aileen Jocy A S., “Detection of Signature Based Forgeries Using Artificial Neural Network”,** International Journal of Innovative Technology and Exploring Engineering , Vol. 9, Issue -1s, November 2019, pp. 400-403. DOI: 10.35940/ijitee.A1079.1191S19 **(SCOPUS Indexed- Discontinued in Jan 2020).**
8. Gobalakrishnan Natesan and **Arun C., “An Improved Grey Wolf Optimization Algorithm Based Task Scheduling in Cloud Computing Environment”,** International Arab Journal of Information Technology, Vol. 17, No. 1, January 2020, pp. 73-81, DOI: <https://iajit.org/PDF/%20Vol%2017,%20No.%201/16399.pdf>. **(SCIE, WEB OF SCIENCE, IF= 0.72).**
9. **Shaik Hedayath Basha** and Jaison B., **“A Novel Secure Message Transmission using Elliptic Curve Diffie Hellman Key Exchange Protocol”,** International Journal of Scientific and Technology Research, Vol.9, No. 2, February 2020, pp. 5529-5533, ISSN: 2277-8616. **(SCOPUS Indexed)**
10. **Praveena N G., Deepa D and Manju M., "Design of an IoT Approach for Industrial Security",** International Journal of Scientific and Technology Research, Vol.9, No. 2, February 2020 , pp. 6444-6448, ISSN: 2277-8616. **(SCOPUS Indexed)**
11. **Praveena N G., Aishwarya N and Manju M., “Improving the Energy Efficiency by Mobile Sink Based Data-Gathering for Heterogeneous WSN's”,** International Journal of Scientific and Technology Research, Vol.9, No. 2, February 2020 pp. 6371-6375, ISSN: 2277-8616. **(SCOPUS Indexed)**

12. **Nimitha N and Arun C., “Autonomous Detection and Classification of Overlapping Chromosomes by hybrid FCM -KNN method using texture-based analysis by combining GLCM and Gabor filters”,** International Journal of Advanced Science and Technology, Vol. 29, No. 4s, pp. 2128 – 2141, March 2020, DOI: <http://sersc.org/journals/index.php/IJAST/article/view/8416/4774> **(SCOPUS Indexed)**
13. **Gangatharan N.,** Manisha G., Madhumitha P., Manisha A and Kirthika N., **“Anti-Theft Cyber Threat Intrusion Detection”,** Journal of Xidean University, Vol. 14. No. 4, April 2020, pp.3975 -3985, DOI: <https://doi.org/10.37896/jxu14.4/435>.
14. **Babu M.,** Shamala Devi G., Yamini Krishna M., Viswa Prasanna M and Iswarya N., **“Image Encryption Using Chaotic Maps and DNA Encoding”,** Journal of Xidean University, Vol. 14, No.4, April 2020, pp. 4479 - 4485, DOI: <https://doi.org/10.37896/jxu14.4/206>.
15. **Kannan K.,** Devaraju M and S. Rosaline,**“Enhancing Quality of Service Detection Service with Priority Approach in Medium Access Layer”,** International Journal on Emerging Technologies, Vol. 11, No. 3, April 2020, pp. 229-233. **(SCOPUS Indexed)**
16. **Arun C.,** Lavanya L., Mohana Venkata Ramana S., Nikhil Shivanand K and Niveditha G., **“Application of Machine Learning Algorithms for the prediction of Liver Disease”,** Journal of Xidean University, Vol. 14, No. 5, May 2020, pp. 4479 - 4485, DOI: <https://doi.org/10.37896/jxu14.5/490>.
17. **Arun C., Shaik Hedayath Basha.,** Lakshman Sivakumar D., Mohamed Rizwan M E and Prem Kumar M R., **“Secured Image Transmission Using Elliptic Curve Cryptography (ECC)”,** Journal of Xidean University, Vol. 14, No. 5, May 2020, pp. 3572 - 3579, DOI: <https://doi.org/10.37896/jxu14.5/400>.
18. **Kannan K.,** Sivaranjani P., Sathish Kumar S., Nalini M., Balaji V and Sanjeevi P., **“SPAHN novel approach for PL-AG gateway discovery for internet connectivity”,** Peer-to-Peer Networking and Applications, May 2020, <https://doi.org/10.1007/s12083-020-00931-4>, **(SCIE , WEB OF SCIENCE IF=2.1).**

19. **Kannan K.**, Sai kumar N, Logith E, Manoj Kumar R and Surya Prakash O., “An Internet of Things Based Smart Irrigation using Solenoid Valve”, International Journal of Recent Technology and Engineering, Vol. 9, No. 1, May 2020, pp. 2018-2023. DOI:10.35940/ijrte.A1979.059120 **(SCOPUS Indexed- removed in June 2020)**
20. **Kannagi V.**, Aarthi S., Aishwarya S S., Devipriya G and Hema Darshini H., “**Advanced Vehicle Security and Location Sensing System by using a Single Wireless Device RSSI**”, International Journal of Recent Technology and Engineering, Vol.9, No. 1, May 2020, ISSN 2277-3878, pp. 1554-1559. DOI:10.35940/ijrte.A2287.059120. **(SCOPUS Indexed -removed in June 2020)**
21. **Shaik Hedayath Basha.**, Mohammed Imran Z., Isaac John G., Nithesh Kumar J and Pavan Kumar K., “**Image Watermarking using Ripplet wavelet and Arnold function**”, Journal of Xidean University, Vol. 14, No. 5, May 2020, pp. 4479 - 4485, DOI: <https://doi.org/10.37896/jxu14.5/679>.