

Dr. V. R. Vijay Kumar
Associate Professor and Head
Department of Electronic and Communication Engineering
Anna University Regional Campus
Coimbatore 641046

List of Publications

1. A compacted triple band antenna design for GSM, Wi-Fi and WiMAX communication schemes for information computation system, R Saravanakumar, VR Vijaykumar, International Journal of Business Information Systems 34 (1), 40-58
2. Robust secure communication protocol for smart healthcare system with FPGA implementation, V Sureshkumar, R Amin, VR Vijaykumar, SR Sekar, Future Generation Computer Systems 100, 938-951
3. A Deep Learning RCNN Approach for Vehicle Recognition in Traffic Surveillance System, V Murugan, VR Vijaykumar, A Nidhila, 2019 International Conference on Communication and Signal Processing (ICCSP) 0157-0160
4. Automatic Moving Vehicle Detection and Classification Based on Artificial Neural Fuzzy Inference System, V Murugan, VR Vijaykumar, Wireless Personal Communications 100 (3), 745-766
5. Background subtraction algorithm and image skeletonization based anomaly event detection for low resolution video, V Murugan, VR Vijaykumar, SV Selvan, 2017 Fourth International Conference on Signal Processing, Communication and Networking (ICSCN) 1-6
6. Histogram shifting based reversible data hiding with controlled contrast enhancement, VR VijayKumar, VS Babu, 2017 Third International Conference on Biosignals, Images and Instrumentation (ICBSII) 1-6
7. Implementation of $2^n - 2^k - 1$ Modulo Adder Based RFID Mutual Authentication Protocol, Vijaykumar V R, Raja Sekar S, Elango S, Ramakrishnan S, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS-Early Access (DOI: 10.1109/TIE.2017.2711864)
8. A novel lightweight and low power tag-reader mutual authentication protocol for portable RFID based security systems, VR Vijaykumar, R Reghunath, S Rajasekar, S Elango, 2016 IEEE Industrial Electronics and Applications Conference (IEACon), 360-365
9. Adaptive impulse detection based selective window median filter for removal of random-valued impulse noise in digital images, K Ashok, A Kalaiselvi, VR Vijaykumar, COMPEL-The international journal for computation and mathematics in electrical and electronic engineering 2016/9/5
10. Rail defect detection using Gabor filters with texture analysis, V.R. Vijaykumar, India Dept. of Electron. & Commun. Eng., Anna Univ. Regional Centre, Coimbatore, S. PG Scholar Anna University Regional Centre Coimbatore Sangamithirai, IEEE Xplore 2015/3