Dr. K.VADIVUKKARASI,
Assistant Professor,
ECE Department,
SRM Institute of Science and Technology
Kattankulathur campus

Email: vadivukk@srmist.edu.in, vadivukk10@gmail.com
Phone: +91 8939055377.

Areas of Research Interest

Localization in Wireless Sensor Networks, Embedded System design and Real Time Operating Systems, Internet of Things

Publications

- R.Dayana, P.Malarvezhi, **K.Vadivukkarasi** and R.Kumar , "UF0MC-IOTA Based Cognitive Radio Transceiver", Wireless Personal Communicatons, DOI 10.1007/s11277-020-07467-z, May 2020. **SCI Indexed**

- A.Devi, P.Malarvezhi **,** R.Dayana and **K.Vadivukkarasi , "** A Comprehensive survey on Autonomous Driving cars: A Perspective View", Wireless Personal Communications, DOI 10.1007/s11277-020-07468-y, May 2020 **SCI Indexed**

- **Vadivukkarasi.K**, R.Kumar, "Investigations on real time RSSI based outdoor target tracking using Kalman filter in wireless sensor networks" , International Journal of Electrical and Computer Engineering, Vol.10, no.2, pp. 1943-1959, April 2020. **Scopus Indexed**

- Arvindhan, S., **Vadivukkarasi, K.**, Athithya Narayan, A.S., Shreyas, S.H., "Voice authenticated smart irrigation", International Journal of Recent technology and Engineering, Vol.8, no.1, pp. 995-999, May 2019. **Scopus Indexed**

- Vadivukkarasi.K, Ritherton C, Vignesh M, Vishrut S, Aravindan K "Inventory management for Retail applications using IoT systems", International Journal of Engineering and Advanced Technology", Vol.8, no.1, pp. 54-58, June 2019. **Scopus Indexed**

- Gupta, S., Rohith, G., Amul, C.H., **Vadivukkarasi.K , "**Electronic toll collection system using zigbee and RFID", International Journal of Civil Engineering and Technology ,Vol-8 No. 4, pp. 1714-1719,April 2017 **Scopus Indexed**

- Rijin.R , **K.Vadivukkarasi**, "Design and Implementation of a Multi-Level Cluster Based Cognitive Radio Sensor Network",International Journal of Control Theory and Applications (IJCTA), Vol-9 No13, pp. 6119-6126, 2016. **Scopus Indexed**

- Tojy Thomas & **K.Vadivukkarasi**, "An Image Based Authentication System Using NFC Technology", International Journal of Control Theory and Applications (IJCTA), Vol 9 No 10, pp. 453-461, 2016. **Scopus Indexed**

- **Vadivukkarasi.K**, R.Kumar, "A Real time RSSI based Novel Algorithm to Improve Indoor Localization Accuracy for Target Tracking in Wireless Sensor Networks" , ARPN Journal of Engineering and Applied Sciences,   Vol.10, no.9, pp. 1-9, Sep 2015. **Scopus Indexed**

- Maryjo M George and **Vadivukkarasi.K**, "Kalman filtering for RSSI based localization system in wireless sensor networks", International Journal of Applied Engineering Research, Volume 10, Number 7 (2015) pp. 16429-16440. **Scopus Indexed**

- Swathy Suresh and **Vadivukkarasi.K**, "Multifunction Sensor node for home intelligent system and Raspberry Pi as gateway", International Journal of Applied Engineering Research, Volume 10, Number 7 (2015) pp. 17163-17170. **Scopus Indexed**

- **Vadivukkarasi.K**, R.Kumar, "A New method to improve localization accuracy in Indoor and Outdoor Environment for Wireless Sensor Networks using Real Time RSSI measurements", European Journal of Scientific Research,Vol.132.no.2,pp.131-144,May 2015 **Scopus Indexed**

- **Vadivukkarasi.K**, R.Kumar , "A Novel Algorithm to improve Indoor Localization accuracy and path-loss reduction using Real time RSSI", International Review on Computers and Software (I.RE.CO.S.), Vol.10.no.3, pp.332-339, March 2015 **Scopus Indexed**