


Faculty Profile

Faculty	<p>Dr. Rajesh L Associate Professor, Dept of ECE East Point College of Engineering & Technology</p>
	<p>Profile*</p> <p>Dr. Rajesh L currently working as a Associate Professor in Department of Electronics & Communication Engineering, East Point College of Engineering and Technology, Bangalore, Karnataka, India. He did BE. in Electronics and Communication Engineering from SJCIT, Chikballapur, VTU University in the year 2009. M.Tech in VLSI design & Embedded systems from Reva ITM, Bangalore in 2012 and Ph.D from VTU Belagavi in 2017. He has published 4 patents and 08 research papers in various International journals. His research interests include Signals & systems, Digital Signal processing and Magnetic fields. He has a teaching and industry experience of 12 years.</p>
	<p>Publications: Totally 12 Publications</p>
	<p>Books</p> <ul style="list-style-type: none"> • BOOK TITLE: Electromagnetic Fields: Keysight's and Concepts • Book Chapter: Analysis of Temperature and Irradiation Effect on P-V Characteristics of Solar Cell
	<p>Journals</p>

A. International Journals

1. Rajesh L, Dankan Gowda “A novel method of data compression using ROI for biomedical 2D images” Measurement: Sensors 24 (2022) 100439, <https://doi.org/10.1016/j.measen.2022.100439>.
2. Neelappa, & Rajesh “Artifact Removal and of EEG Signal Classification for Brain Computer Interface (BCI) using Back Propagation”, In International Journal of Recent Technology and Engineering (IJRTE) (Vol. 8, Issue 6, pp. 1275–1282). Blue Eyes Intelligence Engineering and Sciences Engineering and Sciences Publication -BEIESP. <https://doi.org/10.35940/ijrte.e5965.038620> (<https://doi.org/10.35940/ijrte.e5965.038620>)
3. Rajashekhar, U., Neelappa, D., & Rajesh, L. “Electroencephalogram (EEG) signal classification for brain–computer interface using discrete wavelet transform (DWT)”, International Journal of Intelligent Unmanned Systems.
4. Dinesh Kumar D S, Rajesh L, Ayaz Pasha S, (2021), “Human Authentication using face, Voice and Fingerprint Biometrics”, Journal of Emerging Technologies and Innovative Research, vol.8(8):4-13.
5. Rajesh K, Rajesh L, (2022), "A Critical Review of vehicular AdHoc Networks with various Applications". International Journal of Engineering Research & Applications, Special Issue, Series(2):1-4.
6. Rajesh L, Dr. C. R. Byra Reddy, “A Co-Operative Based Inter-Cluster Communication to Optimize Network Life Time in WSN” Indian Journal of Science and Technology, Vol 9(44), DOI: 10.17485/ijst/2016/v9i44/106150, November 2016. (SCOPUS Indexed Journal).
7. Rajesh L, Dr. C. R. Byra Reddy, “An Intra based-Cluster Communication to Optimize Network Life Time in WSN” TELKOMNIKA, ISSN: 1693-6930, e-ISSN: 2302-9293. (SCOPUS Indexed Journal).
8. Rajesh L, Dr. C. R. Byra Reddy, “Mobility Prediction for Power Efficient Communication in Mobile Wireless Sensor Networks” International Journal of control theory and applications. I J C T A, 9(10), 2016, pp. 453-461. (SCOPUS Indexed Journal).
9. Rajesh L, Dr. C. R. Byra Reddy, “A Review on MAC protocols for WSN’S” International Journal of Computer Application and IOT (IJCAIOT), ISSN: (2454-9274). Volume 1, Issue2. December 2015.
10. Rajesh L, Dr. C. R. Byra Reddy, “A Review on Simulation Tools for WSN’S” ITSI Transactions on Electrical and Electronics Engineering (ITSI-TEEE). ISSN (PRINT): 2320 – 8945, Volume -3, Issue -5, 6 2015.

Magazines

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Conferences

B. IEEE International Conferences

1. Rajesh L, Dr. C. R. Byra Reddy, “A Packet Error Techniques to Optimize Overall Network Lifetime in WSN” IEEE International Conference on Recent Trends In Electronics Information Communication Technology, May 20-21, 2016, India. 978-1-5090-0774-5/16/\$31.00 © 2016 IEEE. (Indexed in IEEE explore Digital Library).
2. Rajesh L, Dr. C. R. Byra Reddy, “Efficient Wireless Sensor Network using Nodes Sleep/Active Strategy” IEEE International Conference on Inventive Computation Technologies, 26-27 August 2016, ISSN: 978-1-5090-1283-15, Coimbatore, India. (Indexed in IEEE explore Digital Library).

Achievements / Awards / Recognitions

He has totally 4 patents

Patent 1

Title: Artificial Intelligence Based Fake Product Review

Monitoring System

Publication Date: 25/03/2022

Application No: 202241014663 A

Patent 2

Title: Real Time Monitoring Approach for Underground Mine Air

Quality Pollution

Monitoring System Based on IoT Technology

Publication Date: 17/06/2022

Application No: 202241027235 A

Patent 3

Title: An Intelligent IOT Augmented reality-based framework for health monitoring system

Publication Date: 14/10/2022

Application No: 202241052647 A

Patent 4

Title: Design of a Multicopter unmanned aerial vehicle with advanced capabilities for

cognitive tracking and obstacle avoidance

Publication Date: 14/10/2022

Application No: 202241056915A