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Professional Experience: 14.5 Years

PUBLICATIONS:

INTERNATIONAL JOURNAL

1. “Space Vector Modulation based Total Harmonic Distortion minimization in Induction Motor”, in International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol. 1, issue 1, April 2013.
2. “SHEPWM inverter based zero sequence circulating current reduction” in CIIT International Journal of Digital Signal Processing, ISSN 0974-9705 February 2013.
3. “Total Harmonic Distortion Minimization in Induction Motor using Space Vector Modulation Scheme”, in International Journal of Computer Applications ISSN 0975 – 8887 Vol. 69, No.12, 2013.
4. “An Integrated Prepaid Energy Meter using GSM”, in International Journal of Industrial Electronics and Electrical Engineering ISSN (e) : 2347-6982, Volume-2,Issue-5 ,May, 2014.
5. “A Prepaid Energy Meter for Efficient Power Management”, in International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, Volume 4, Issue 3, March 2014.
6. “LUT Based Dynamic Power Optimization using Dual VDD/Dual Frequency Controller”, International Journal of VLSI System Design and Communication Systems, ISSN 2322-0929 Vol.02, Issue.04, June-2014, Pages: 0246-0249.
7. “Maximum Power Point Tracking for Photovoltaic Optimization Using Seeker Algorithm”, International Journal of Advanced Engineering Research and Science, ISSN 2349-6495 Vol.01, Issue.02, July-2014, Pages:06-09.

8. "Low Power and Area Efficient Folded Architecture for Row Bypassing Multiplier Using FPGA", International Journal of Recent Advances in Engineering & Technology, ISSN (Online): 2347 - 2812, Volume-2, Issue -6, 2014.
9. "Secure Energy Efficient Load Balancing Multipath Routing Protocol with Power Management for Wireless Sensor Networks", IEEE Explorer
10. "A Secure RSA for data transmission in Wireless Sensor Networks", International Journal of Emerging Technology in Computer Science and Electronics, ISSN-0976-1353, Volume-13, Issue-4, March 2015.
11. "A Secure Audio Encryption Algorithm Using Lifting Wavelet Scheme and Discrete Sine Transforms" International Journal of Applied Engineering Research, ISSN-0973-4562, Vol.10, No.29, May 2015.
12. "Performance Analysis of SDH Network Management System using DWDM Technique" International Journal of Engineering Technology Science and Research, ISSN 2394 – 3386, Volume 2, Issue 11, November 2015
13. "Smart Wireless Elevator Design" in the International Journal of Research in Electrical and Electronics Engineering (IJREEE), ISSN 2347-5439, Volume3, Issue 3, pp 24-27, November 2015
14. "Smart Charging based on Load Demand" in the International Journal of Engineering & Technology Research (IJETR), ISSN 2347-2904, Volume 3, Issue 5, pp 31-35, September-
15. "MLTP Based Contact Lens Detection in Iris Recognition for Anti-Spoofing" in the International Journal of Research in Electronics and Communication Technology (IJRECT) ISSN 2347-6109, Volume3, Issue 4, pp 11-19, August 2015
16. "Fetal ECG Extraction Using Multistage Adaptive Filtering and Pattern Classification with ANFIS Network" in the International Journal of Research in Electronics and Communication Technology (IJRECT) in the year 2015 (Impact Factor: 3.158)
17. "Feature Extraction of Real Time Image Using SIFT Algorithm" in the International Journal of Research in Electrical and Electronics Engineering (IJREEE) ISSN 2347-5439, Volume3, Issue 4, pp 01-07, October-December 2015

18. "An Efficient Modern Irrigation and Plant Growth Monitoring System using Sensor Network" Asian Journal of Research in Social Sciences and Humanities, ISSN 2249-7315, Volume 6, Issue 8, August 2016
19. "A Smart Information System for Public Transportation Using IoT" International Journal of Recent Trends in Engineering and Research, ISSN 2455-1457, Volume 3, Issue 4, April 2017.
20. "An Automatic Repelling System to Reduce Human Elephants Conflicts Using Sensors" International Journal for Research in Applied Science & Engineering Technology, ISSN 2321-9653, Volume 5, Issue 5, May 2017.
21. "Design of Point to Point Metro DWDM Network and Its Performance Evaluation", IEEE Explorer
22. "Design of Metro DWDM Network and Its Performance Evaluation using Linear Topology" International Journal of Applied Engineering Research, ISSN-0973-4562, Vol.10, No.29, May 2015.
23. "Identifying Efficient Method for Resource Wavelength Assignment-A Survey" International Journal of Pure and Applied Mathematics, ISSN- 1314-3395, Vol.117, No.21, Dec 2017.
24. "A Secured Patient Health Record Using Encryption Algorithm" International Journal of Engineering Development and Research, ISSN- 2321-9939, Vol.6, No.1, Jan 2018.
25. "Energy Efficient Packet Transmission for Wireless Sensor Networks" in the UGC approved International Journal for Science and Advance Research in Technology, Vol. 3, Issue 12, December 2017.
26. "Regression Analysis of Cooling Load for Sericulture" in the Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 02-Special Issue, 2018.
27. "Fabric Texture Analysis and Weave Pattern Recognition by Intelligent Processing", in Journal of Telecommunication, Electronic and Computer Engineering, Vol. 10 No. 1-13 2018.
28. "Different Encoding and Decoding Techniques of ECG Signal for Efficient Transmission - A Survey" in International Research Journal of Engineering and Technology, Vol. 5 No. 12-, 2018.

INTERNATIONAL CONFERENCE

1. “An Integrated Prepaid Energy Meter using GSM”, in International Conference on Electrical, Electronics and Communication Engineering organized by Institute of Research and Journals ISSN 978-93-82702-63-4 Vol., No., 9th Mar 2014.
2. “Secure Energy Efficient Load Balancing Multipath Routing Protocol with Power Management for Wireless Sensor Networks”, International Conference on Control, Instrumentation, Communication and Computational Technologies at Noorul Islam University, Kumaracoil, on 10th and 11th July 2014.
3. “A VLSI Implementation of Hybrid Technique for Secure data transmission in Wireless Sensor Networks”, International Conference on Recent Trends and Advancement in Information and Communication Engineering at Nehru Institute of Technology, Coimbatore on 27th March 2015.
4. “A Secure RSA for data transmission in Wireless Sensor Networks”, International Conference on Advances in Emerging Technology at Jaya Engineering College, Chennai on 28th March 2015.
5. “Design of Point to Point Metro DWDM Network and Its Performance Evaluation”, International Conference on Communication and Signal Processing, at Adhiparasakthi Engineering College, Melmaruvathur on April 2-4, 2015.
6. “Design of Metro DWDM Network and Its Performance Evaluation using Linear Topology”, International Conference on Innovative Research in Engineering and Technology (iCIRET2015), at Park College of Engineering & Technology, Coimbatore on April 9-11, 2015.
7. “Performance Analysis of SDH Network Management System Using DWDM Technique”, International Conference on Latest Trends in Engineering Science and Management (LTESM-15), through Video Conferencing on 22 November 2015.
8. “A Study of Mental wellness of Women in work place”, International Conference on Nurturing Global Mental Health – A Paradigm Shift, at Amrita Vishwa Vidyapeetham, Coimbatore on March 8 & 9, 2017.
9. “Motion based Recognition using Wearable Sensor Cluster Model”, International Conference on Science Technology Engineering and Management (ICSTEM-17), at Kalaignar Institute of Technology on 3 March 2017.
10. “Hybrid Technique for Secure Image Transmission in WSN Using VLSI Implementation”, IEEE International Conference on Innovations in Green Energy and Health Care Technologies at Dr.N.G.P. Institute of Technology, Coimbatore on 16 March, 2017.
11. “IoT based Smart Irrigation Management using Sensors”, International Conference on Adaptive Technologies for Sustainable Growth at Paavai Engineering College, Namakkal on 17 March, 2017.

12. “Fabric Texture Analysis and Weave Pattern Recognition by Intelligent Processing”, in the International Conference on Man Machine Systems (ICoMMS2017), at UNIMAP, Malaysia, August 2017.
13. “Prediction of Cooling Load for Sericulture using Artificial Neural Networks”, in the ISER 128th International Conference, New York, USA, 16th-17th May 2018.
14. “Small Scale Aquaponic Monitoring System for Integrated Fish and Plant Farming”, in the International Conference on Information Science and Renewable Energy Sources at Selvam College of Technology, Nammakkal on 7th and 8th March 2019.
15. “Prediction of Breast Cancer using Different Neural Network Algorithms”, in the International Conference on Latest Trends in Science, Engineering and Technology at Karpagam Institute of Technology, Coimbatore on 22nd and 23rd March 2019.

NATIONAL CONFERENCES

1. “Modeling of a Fuel Cell Power Plant for Grid Interface”, National Conference at PPG Institute of Technology, Coimbatore on 4th Mar 2013.
2. “Fuzzy Based Optimization for Deployment in Wireless Sensor Networks”, National Conference at Anna university Regional Centre, Coimbatore on 27th & 28th Mar 2013.
3. “Optimization model for Sensor Placement in Wireless Sensor Networks”, National Conference at Erode Sengunthar Engineering College, Erode on 9th May 2014.
4. “A Secure Audio Encryption Algorithm Using Lifting Wavelet Scheme and Discrete Sine Transforms” National Conference on Advances in Technology and Science (NCATS 2015), at Info Institute of Engineering, Coimbatore on April 16 & 17, 2015.
5. “Activity Recognition using Multi Sensor Predictive Model” National Conference on Emerging Technologies in Computing Sciences (NCETCS 2017), at SNS College of Engineering, Coimbatore on March 18, 2017.
6. “Foldscope- A tool to detect the Water Borne Pathogens” National Conference on Biological Science-Emerging Challenges & Issues (NCBCI’19), at Sri Ramakrishna College of Arts & Science for Women, Coimbatore on February 16, 2019.