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Research Specialization

- Internet of Things
- Network Security
- Mobile Adhoc Networks
- Data Mining
- Distributed Computing
- Cloud Computing

List of Publications

International Journal

1. **J. Santhosh**, “IoT Based Comprehensive Autonomous Home Automation and Security System Using M2M Communication” International Journal of Recent Advances in Computer Science and Communications (RACSC) ISSN: 2666-2566 (Online), Volume-13, February 2020
2. **J.Santhosh**, “Hand motion based mouse cursor control using image processing technique “International Journal of Critical ISSN: 2394-5125(online),Volume -7(4),April 2020.
3. **J.Santhosh**, “Assessment Of Kappa Model To Identify Soil Condition Using Historical Data For Crop Rotation”, International Journal of Advanced Science and Technology Vol. 29, No. 9s, (2020), pp. 143-148, May 2020.
4. **J.Santhosh**, “Reliable and Energy Efficient Data Gathering Protocol in Wireless Sensor Networks” International Journal of Recent Technology and Engineering Vol.7,Issue 5S2,January 2019,PP114 – 119,ISSN:2277-3878

5. **J.Santhosh**, “Virtual Machine Consolidation for Performance and Energy Efficient Cloud Data Center Using Reinforcement Learning” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-3S, February 2019
6. **J.Santhosh**, “Energy Efficient and Reliable Mobile Sink Routing Protocol in Wireless Sensor” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-3S, February 2019
7. **J.Santhosh**, “Securing Fingerprint Data using Huffman Coding Technique and Cuckoo Search based Steganography” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-8, June, 2019
8. **J.Santhosh**, “Smart Home Surveillance System using IoT with an Efficient Data Analytics” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-6S, August 2019
9. **J. Santhosh** , “ An Intelligent Smartphone Based Approach using IOT for Ensuring Safe Driving” International Journal of Intellectual Advancements and Research in Engineering Computation Vol.6,Issue 2, April 2018, pp 1790-1793.
10. **J.Santhosh**, “ Improved energy Intrusion Detection system using Fuzzy Fystem in Wireless Sensor Network “ International Journal of Recent Technology and Engineering Vol.7,Issue 4S2,Dec 2018,PP333 – 338,ISSN:2277-3878
11. **J. Santhosh**, “A Detailed Survey On Malicious Node Detection And Mitigation In Large Scenario Wireless Networks” International Journal Of Engineering Sciences & Research Technology, January 2017, ISSN: 2277- 9655
12. **J. Santhosh**, “Energy Efficient Malicious Node Detection System in Wireless Sensor Networks” Asian Journal of Research in Social Sciences and Humanities Vol. 7, No. 2, February 2017, pp. 624-631.
13. **J.Santhosh**, “Pattern Image Technique for Data Hiding via Message Bits Stream”, International Journal of Computer Science and Engineering Communications, Volume.4, Issue.2 ,may (2016): Page.1388-1392.
14. **J. Santhosh**, “Performance Analysis of Residual Node Detection and Mitigation Using Feature Set and Classification Approach” International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 4, December 2016

15. **J. Santhosh**, “ An Efficient Approach for Malicious Node Detection in Wireless Sensor Networks Using Classifier” Asian Journal of Research in Social Sciences and Humanities Vol. 6, No. 11, November 2016, pp. 81-91.
16. **J. Santhosh**, “Survey Of Malicious Node Detection In Wireless Sensor Networks” International Journal of Emerging Technology and Innovative Engineering Volume 2, Issue 6, June 2016 (ISSN: 2394 – 6598).
17. **J. Santhosh**, “A Simple Steganography Algorithm Based on Lossless Compression Technique in WSN” Circuits and Systems, 2016, 7, 1341-1351
18. **J.Santhosh**, “A Survey Paper on Data Transfer via Multimedia with Steganography Methodologies”, IJCCTS - International Journal of Communication and Computer Technologies, Vol. 3, Issue 06, September 2015.

National & International Conferences

1. **J.Santhosh** “Efficient Query Extraction Techniques for Large CBIR Systems” in the National Conference on Information and Computing Systems (NACICS’ 10) at Angel college of Engineering and Technology,Tirupur,2010.
2. **J.Santhosh** “A large scale Distributed Intrusion Detection Frame work Based on Attack Strategy Analysis”, International Conference on Advanced Computing ICACT 2012, JKKN College of Engineering, Namakkal, 2012.
3. **J.Santhosh** “Pattern Image Technique for Data Hiding Via Message Bit Stream”, International Conference on Green, Intelligent Computing and Communication Systems(ICGICCS’16), Hindustan College of Engineering and Technology,Coimbatore,2016.
4. **J.Santhosh** "An Intelligent Smartphone Based Approach Using IoT for Ensuring Safe Driving" in the international Conference on Recent Innovation in Engineering ,Technology and Management at Nandha Engineering College,Erode,2018.
5. **J.Santhosh** “ 5G Reliability and Energy Efficient for improvement QoS in WSN” in the National Conference on Emerging Computing Technologies and Applications(NCECTA 2019) at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai.
6. **J.Santhosh** “Identifying and Reforming of Contorted Fingerprints Based on Various Individual Fingerprint Images” in the National Conference on Emerging Computing

Patent Published

1. Application Number : 201941016288

Date of Filing : 24/04/2019

**Title of Invention : I – Mobile Case Charger Intelligent Mobile Phone Protective
Case and Charger.**

Application Status : Application Published

2. Application Number : 201941050087

Date of Filing : 05/12/2019

**Title of Invention : System to Facilitate Visually Impaired Person to Identify
Person Present In Surrounding**

Application Status : Application Published