

PROFILE

Dr. P. Ranjana

Professor

Department of Computer Science and Engineering

Hindustan Institute of Technology and Science,

pranjana@hindustanuniv.ac.in



Recent Publications:

Journals

1. Ranjana.P, Rajeswari Mukesh, Kumar A, Sujith N N S S, Satya Sai, Vehicle engine lock system for theft and alcohol detection, International Journal of Recent Technology and Engineering Open Access Volume 7, Issue 5, February 2019, Pages 363-367
2. Mohanty, A., Ranjana, P, Usage of predictive scrutiny to further business, International Journal of Recent Technology and Engineering, Volume 8, Issue 2 Special Issue 8, August 2019, Pages 958-961
3. Mohanty, A., Ranjana, P, Usage of predictive research on further business, International Journal of Innovative Technology and Exploring Engineering, Volume 8, Issue 11, September 2019, Pages 3464-3466, 2019.
4. P. Ranjana, "Analyzing Obstructive Sleep Apnea (OSA) Using Machine Perception and Wavelet transforms", International Journal of Engineering and Advanced Technology (IJEAT), 2019
5. P. Ranjana, A. George, "Dynamic Capacity Routing in Networks with MTSP", International Journal of Computer and Communication Engineer in May 2015, Vol.5. Vo.6, ISSN: 2010-3743.
6. Jeevani, P. Ranjana "Traffic Balancing using RACO-CAR based adaptive routing in mesh network, in seventh sense research group International journals May 2016
7. P. Ranjana, S. Jeevani and A. George, "Optimized CAR based Adaptive Routing in Mesh Network", Middle East Journal of Scientific Research ISSN 1990-9233 vol. 24, No.S2, 2016.
8. P. Ranjana, A. George, "Hybrid Edge Capacity Routing in Complex Networks, Journal of Networks, Vol 11, No 01 (2016), 11-15, Jan 2016 doi:10.4304/jnw.11.01.11-15, ISSN 1796-2056
9. Nimisha Rachel and P. Ranjana Hierarchical Approach on Massive Graphs to Estimate Shortest Path International Journal of Applied Engineering Research ISSN 0973-4562, May 2015

International Conference

1. Aravindaraman, B.A, Ranjana, P, Design of A Monitoring System for Waste Management Using IoT, Proceedings of 1st International Conference on Innovations in Information and Communication Technology, ICIICT 2019 (Scopus Indexed).
2. Ranjana P, Lakshmi Sridevi, Sudalai Muthu, Vikram Gnanaraj "Machine Learning Algorithm in Two wheelers fuel Prediction" Proceedings of 1st International Conference on Innovations in Information and Communication Technology, ICIICT 2019 (Scopus Indexed).

3. P. Ranjana, "Electrocardiogram data capturing system by using machine perception", IEEE 1st International Conference on Innovations in Information and Communication Technology (ICIICT).2019
4. V. Gnanaraj, P. Ranjana, Thenmoxhi, Patient monitoring and control system using internet of thing, International journal of innovative engineering and technology, 2019
5. P.Krishnaveni and P. Ranjana Predicting the probability of most happened topic using Random forest algorithm I the International conferece in the International conference on Knowledge based computing Technologies (ICKCT'16) at KCG college of Technology, Chennai on 3rd and 4th February.
6. ShinoP John, Madusmita Mohanthy and P. Ranjana," A Proficient source grouping algorithm for multi agent itinerary planning in wireless sensor networks., 4th International conference on Electronics computer Technology(ICECT 2012), April 6 -8 , Kanyakumari, India.
7. Saran Thampy D, R R Srikanth and P Ranjana, An Extensive Hybrid Algorithm for Node Localization in Wireless Sensor Networks , 4th International conference on Electronics computer Technology(ICECT 2012), April 6 -8 , Kanyakumari, India.
8. Revathi.E and Ranjana.P, Measurement Based Analysis of Multihoming Route Control 4th IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2011) June 10 - 12, in Chengdu, China.

Presentation in International Conferences:

1. P.Ranjana, A. George, K-Medoids clustering, Redundancy Reduction Ant Colony Algorithm Solving Multiple Traveling Salesman Problem, International Conference on Recent Advancements in Computing Technology, Bharath University, Chennai, March 2011.
2. P.Ranjana, A. George, "Harmonic K Means Clustering and Redundancy Reduction Ant Colony Optimization algorithm in solving Multiple Travelling Salesman Problem, International Conference on Modeling and Applied soft computing, Coimbatore Institute of Technology, Coimbatore, July2012.
3. P.Ranjana, A. George, "Dynamic Capacity Routing in Networks with MTSP", 2015 4th International Conference on Communication and Broadband Networking, NTU Singapore, November 2015

Book Chapters

1. Kalaivani,Y.S., Ranjana, P.Anomaly Detectionof DDOS AttacksUsing Hadoop ,Advances in IntelligentSystems,882, pp. 543-5,2019
2. **Sankari. M, Ranjana, P.**Privacy-Preserving Lightweight Image Encryption in Mobile Cloud, Advances in Intelligent Systems and Computing882, pp. 403-414, 2019
3. N.Satish and P.Ranjana published in springer book with title Proceedings of International Conference on Internet Computing and Information Communications Advances in Intelligent Systems and Computing, DOI10.1007/978-81-322-1299-7_14 Print ISBN 978-81-322-1298-0, Publisher Springer India, Copyright Holder Springer India. Vol. 201, 2014 pages 141-149.

Editorial Duties :

- Associate Editor for Hindustan Journal Vol. 4, ISSN NO: 0975-8445, Published by Hindustan Group of Institutions, 40, GST Road , St.Thomas Mount, Chennai-600 016, Tamil Nadu, India.
- Associate Editor for Hindustan Journal Vol.5,ISSN NO: 0975-8445, Published by Hindustan Group of Institutions, 40, GST Road , St.Thomas Mount, Chennai-600 016, Tamil Nadu, India.
- Associate Editor for Hindustan Journal Vol.6,ISSN NO: 0975-8445, Published by Hindustan Group of Institutions, 40, GST Road , St.Thomas Mount, Chennai-600 016, Tamil Nadu, India.
- Editor for the Proceedings of the National conference on Big data analytics and cyber security NCBAS 2014,27th and 28th February 2014, organized by Department of Computer Science and Engineering, Hindustan University.

Reviewer

- Optical and Quantum Electronics, ISSN: 0306-8919 (Print) 1572-817X (Online), Publisher by Springer US.
- Hindustan Journal, ISSN NO: 0975-8445, Published by Hindustan Group of Institutions, 40, GST Road , St.Thomas Mount, Chennai-600 016, Tamil Nadu, India.
- Co convenor and Reviewer for the National conference on Big data analytics and cyber security NCBAS 2014,27th and 28th February 2014, organized by Department of Computer Science and Engineering, Hindustan University.
- Reviewer for National Conference on Intelligent Information Systems,27th and 28th February,2017.orgnized by School of Computing Sciences, Hindustan University

Area of Expertise:

Machine Learning, Artificial Intelligence, Data-structures, Design and Analysis of Algorithms, Computer Programming, Object Oriented programming, Network security, Software Engineering, Software project Management, Software Testing, Mobile computing, Software Quality Assurance, Entrepreneurship development.