

Dr. M. Prakash
Associate Professor
Department of Computer Science and Engineering
School of Computing
SRM Institute of Science and Technology
Kattankulathur, Chengalpattu – 603 203
prakshm2@srmist.edu.in
9894664948

Publications

1. Jayapradha. J, Prakash. M, Yenumula Harshavardhan Reddy, Privacy Preserving Data Publishing for Heterogeneous Multiple Sensitive Attributes with Personalized Privacy and Enhanced Utility, Journal of Systematic Reviews in Pharmacy, vol. 11, no. 9, pp. 1055-1066, 2020
2. D. Rajeswari, M. Prakash & J. Suresh, Computational grid scheduling architecture using MapReduce Model based non-dominated sorting genetic algorithm, Journal of Soft Computing, Springer, March - 2019.
3. Pulkit Singhal, Akshat Tiwari, M. Prakash, Internet of Things Based Sensible and Secure Home Automation System, International Journal of Psychosocial Rehabilitation, Vol. 24, Issue 06, pp. 6621-6627, 2020.
4. Tanya Srivastava, Anushka Bhatnagar, J.Jayapradha, M Prakash, Diabetes Detection and Monitoring using Data Mining and Machine Learning, International Journal of Advanced Science and Technology, Vol. 29, No. 6s, pp. 1889-1897, 2020.
5. S. Gopikrishnan , M. Vinoth Kumar, M. Prakash, Automation and Control of Irrigation System in Precision Agriculture using Internet of Things, Journal of Advanced Research in Dynamical and Control Systems, Issue 13, pp. 1724-1731, 2018.
6. M. Prakash & G. Singaravel, 'Privacy Preserving Data Mining on Sensitive Data Sources', International Journal of Business Intelligence and Data Mining, Inderscience Publishers, vol. 13, no. 4, pp. 456-474, January – 2018.
7. M. Prakash & S. Vadivel, 'A Pragmatic Algorithm Approach Based Secure and Reliable Web Application for Student Information Management', International Journal of Innovations & Advancement in Computer Science, vol. 6, no. 12, pp. 179-186, December 2017.

8. M. Prakash & G. Singaravel, 'An approach for prevention of privacy breach and information leakage in sensitive data mining', *Journal of Computers and Electrical Engineering*, Elsevier, vol. 45, pp. 134-140, 2015.
9. M. Prakash & G. Singaravel, 'A Framework for High Performance and Strict Privacy Preserving Data Mining', *International Journal of Advanced Technology in Engineering and Science*, vol. 3, no. 4, pp. 189-196, April - 2015.
10. M. Prakash, P. Sivakumar & G. Singaravel, 'Efficient Methods for Distinction Preclusion in Data Mining', *International Journal of Applied Engineering Research*, vol. 10, no. 55, pp. 2212-2215, March 2015.
11. M. Prakash & G. Singaravel, 'Haphazard anonymization: A novel algorithm for privacy and knowledge preservation', *International Journal of Applied Engineering Research*, vol. 10, no. 5, pp. 4064-4070, March 2015.
12. M. Prakash, S. Priyanka, P. Sivakumar & K. Thamaraiselvi, 'Ensure and Energy Efficient Data Forwarding in Cluster Based Wireless Sensor Network', *International Journal for Scientific Research & Development*, vol. 2, no. 12, pp. 148-151, February 2015.
13. M. Prakash & T. R. Keerthana, 'Location Retrieval Based On User Query Using Indexing Technique', *International Journal of Emerging Technology and Innovative Engineering*, vol. 1, no. 2, pp. 146-148, February 2015.
14. M. Prakash, P. Sivakumar, S. Perumal Sankar, S. Malathi, A. Duraisamy & S. Muthukumar, 'An Efficient Interactive Mobile Visual Search Using Multipart Region based Matching (MRM) Algorithm', *Australian Journal of Basic and Applied Sciences*, vol. 8, no. 10, pp. 7-11, July 2014.
15. M. Prakash & G. Singaravel, 'A Review on Approaches, Techniques and Research Challenges in Privacy Preserving Data Mining', *Australian Journal of Basic and Applied Sciences*, vol. 8, no. 10, pp. 251-259, July 2014.
16. M. Prakash & V. Kalai Selvan, 'Text Extraction from Image using MSER Approach', *International Journal of Computer Science and Engineering Technology*, vol. 5, no. 4, pp. 345-347, April 2014.
17. M. Prakash & G. Singaravel, 'An Analysis of Privacy Risks and Design Principles for Developing Countermeasures in Privacy Preserving Sensitive Data Publishing', *Journal of Theoretical and Applied Information Technology*, vol. 62, no. 1, pp. 204-213, April 2014.

18. M. Prakash, S. Malathi & P. Sivakumar, 'Multimodal Mobile Visual Search Using Region-Based Matching Algorithm', International Journal of Current Research, vol. 6, no. 1, pp. 4750-4753, January 2014.
19. M. Prakash & V. Kalai Selvan, 'A Combined Approach with Conditional Random Field to extract Text in Natural Scene Image', International Journal of Advanced Research in Computer Science and Software Engineering, vol. 3, no. 12, pp.833-837, December 2013.
20. M. Prakash & S. Vinothkumar, 'Partitioning Dataset for privacy preserving data publishing', International Journal of Computer Technology & Applications, vol. 4, no. 6, pp. 1047-1051, December 2013.
21. M. Prakash, D. Swornalakshme, M.C. Gowtham, B. Kalai Selvan & G. Latha, 'Speaker Detection of Encrypted Speech Communication Using Talk Patterns', International Journal of Advanced Research in Computer Science and Software Engineering, vol. 3, no. 4, pp. 103-106, April 2013.
22. M. Prakash, N. Hanusuyakrish, D. Kapil & P. Manimekala, 'Detection of DDoS Attack Using Virtual Security', International Journal of Engineering Science and Innovative Technology (IJESIT), vol. 2, no. 2, pp. 492-496, March 2013.
23. M. Prakash & C. Silambarasan, 'A Comparative Assessment on the Jammers and Defensive Mechanisms in Wireless Sensor Networks', International Journal of Advanced Research in Computer Science and Software Engineering, vol. 2, no. 11, pp. 71-74, November 2012.

Patents:

1. FaceMask – Design Patent registered and Granted. Given copyrights for 10 years by the patent office, Government of India, 2019. (Design No. 314280-001, Date: 28/01/2019)
2. Method for phishing URL detection using hybrid machine learning and Fuzzy logic, 2019. (Application No.201941050222A, Publication Date: 13/12/2019)

International Conferences:

1. M. Prakash, G. Padmapriya & M. Vinoth Kumar, 'A Survey on Machine Learning Big Data using R', Proceedings of the IEEE International Conference on Inventive Communication and Computational Technologies (ICICCT'18), April 2018 (will be included in IEEEExplore).

2. M. Prakash & M. Induja, 'Multipath Transfer Control Protocol based Approach with Energy Savings and QOS in a Multi Homed MCC Network', Proceedings of the International Conference on Information and Computational Science (ICICS'18), March 2018.
3. M. Prakash & S. Vadivel, 'A Pragmatic Algorithm Approach Based Secure and Reliable Web Application for Student Information Management', Proceedings of the International Conference on Advancements and Innovations in Engineering, Technology & Management (ICAIETM2017) Technically sponsored by IEEE, ISTE and IETE, Hyderabad, December 2017.
4. M. Prakash & G. Singaravel, 'Cosine Similarity Computation Protocol for Privacy Preserving in Big Data', Proceedings of the International Conference on Advanced Theoretical Computer Applications (CAASR-ICATCA'16), Kuala Lumpur, Malaysia, May, 2016.
5. M. Prakash & G. Singaravel, 'Haphazard anonymization: A novel algorithm for privacy and knowledge preservation', Proceedings of the International Conference on Advancements in Computing, Power and Control (ICACPC '15), February, 2015
6. M. Prakash & G. Singaravel, 'A survey on privacy preserving data publishing and mining', Proceedings of the International Conference on Trends in Technology for Convergence (TITCON - 2014), April 2014.
7. M. Prakash & G. Singaravel, 'A Study of Privacy Risks and Countermeasures in Mining and Publishing of Sensitive Data', Proceedings of the International Conference on Innovations in Communication Information and Computing (ICICIC'13), January, 2013.
8. M. Prakash & G. Singaravel, 'A New Model for Privacy Preserving Sensitive Data Mining', Proceedings of the IEEE Third International Conference on Computing, Communication and Networking Technology 2012 (ICCCNT12), July, 2012. (IEEE Xplore)
9. M. Prakash, '(n, t) - Proximity: A Novel Measure for Sensitive Data Publishing with Privacy Preservation', Proceedings of the First International Conference on Advanced Computer Technology (ICACT 2011), July, 2011
10. M. Prakash & J. Mannarmannan, 'A New Notion Proximity for Data Publishing with Privacy Preservation', Proceedings of the Fifth International Conference on Intelligent Systems and Control (ISCO 2011), January 2011.