DC Member Details

Name:	Dr B GOMATHY
Designation:	Professor
Department:	CSE
Name of the organization / institution:	K.P.R Institute of Engineering and Technology
Place:	Coimbatore
Pin code:	641407
Whether affiliated to Anna university:	Yes
Mobile:	9486197962
E-Mail:	bgomramesh@gmail.com
Area of specialization:	Data Mining, Soft Computing, Networking

List of Publication for last five years:

1. **Gomathy, B**, Ramesh, SM &Shanmugam, A 2015, 'A Hybrid Model for Enhanced Prediction of Medical Diagnosis based on Discriminative rule framing and Correlated framework approaches', International Journal of Uncertainty, Fuzziness and knowledge-based systems, vol. 23, no. 1, pp. 33-48. [Science Citation Index/Scopus indexed](IF 1.214)

2. **Gomathy, B**, Ramyadevi, M 2015, 'An Intelligent system for the Detection of Breast cancer using Feature Selection and PCA Methods', International Journal of Applied Engineering Research, vol. 10, no. 20, pp. 16874-16876. [Scopus indexed](IF 0.14)

3. **Gomathy, B**, Swathipriya, E &Subha, N, 2015, 'Performance Analysis of Classification Algorithms for Breast Cancer Diagnosis', CIIT International Journal of Digital Image Processing, vol. 7, no. 10, pp. 308-311.

4. **Gomathy, B**, Priyanka, M &Subha, N, 2015, 'A Comprehensive Review of Classification Techniques in Data Mining', CIIT International Journal of Digital Image Processing, vol. 7, no. 10, pp. 348-351.

5. **Gomathy B**, Ramesh SM,' New Spatiotemporal Approach for the Estimation of the Motions of Multiple Images using Time-Frequency Representation', International Journal of Engineering and Management Research, Vol.6, No.6, pp. 122-127,2016

6. **Gomathy B**, Nagamani T,' Multikeyword Ranked Search over Cloud Data', CiiT Artificial Intelligent Systems and Machine Learning, Vol 9, No 2, 2017.

7. **Gomathy B** ,Gomathi R,' Application of SAPSO Algorithm to Optimize SPARQL Queries with OPTIONAL Blocks', International Journal of Engineering and Management Research, Vol. 7, No. 1, pp. 247 – 250, 2017.

8. **Gomathy B**, SathiyaDhamodharan,' A GS Optimized CMBERS+ to Minimize Broadcast Expenses in MANETS', Asian Journal of Research in Social Sciences and Humanities, Vol. 7, No. 2, pp. 367-383,2017.

9. **Gomathy B**, SathiyaDhamodharan,' State of art : Broadcasting in mobile Adhoc network', Journal of Advanced Research in Dynamic and Control Systems, Vol. 1, pp. 141-153,2017. [Scopus indexed]

10. **Gomathy B**, Gomathi R, 'A multi query optimization algorithm using map reduce', International Journal of algorithms Design and analysis, Vol 3, No 2, pp 1-10, 2017.

11. **Gomathy B**, Gomathi R, 'Application of SAPSO algorithm to optimize SPARQL queries of biomedical datasets', International Journal of Advanced Technology in Enginering and Science, vol 5, No. 7, pp 13-17, 2017.

12. **Gomathy B**, SathiyaDhamodharan,' Improved Security and Routing path learning in MANETs using Beer Quiche game theoretical model in cloud computing', Cluster Computing, The Journal of Networks, Software tools and Applications in Springer Journal, pp 1-11,Jan 2018. ISSN : 1386-7857 (Print) 1573-7543. [Science Citation Index/Scopus indexed](IF 1.601)

13. **Gomathy B**, Ramesh SM, 'Pseudorandom Noise Sequence of Digital Watermarking Algorithm based on Discrete Wavelet Transform using Medical Image', The International Arab Journal of Information Technology, Vol. 15, No. 4, pp 769-776, July 2018. [Scopus indexed](IF 0.724)

14. **Gomathy B,** T.Nagamani. Dr.S.Logeswari, 'A Survey on Heart Disease Prediction using Data Mining and Big Data Analytics', 'Journal of Advanced Research in Dynamical and Control Systems', Issue-10, pp -355-361, Jul 2018. [Scopus indexed]

15. **Gomathy B,** 'Contributions of Machine Learning Algorithms for Diabetes Prediction - A Survey', 'Journal of Advanced Research in Dynamical and Control System', Vol. 7, No. 10, pp 650-656, Jul 2018. [Scopus indexed]

16. **Gomathy B,** Y. Adline Jancy, 'Design and Implementation of Logical Sensing Algorithm Based Smart Home Security', 'Journal of Computational and Theoretical Nanoscience', Vol. 15, pp 1754–1761, 2018. [Scopus indexed](IF 1.42)

17. **Gomathy B,** G. Shanmugavadivel, 'Certain Investigations on Smart Hospitals: The Usage of Narrow Band-IoT', 'International journal on Bioscience Biotechnology Research Communication', vol 11, No. 2, pp 56-64, Dec 2018. [Scopus indexed/web of Science]

18. **Gomathy B,** T Nagamani, 'Heart Disease Prediction using Data Mining with Map Reduce Algorithm', 'International journal of Innovative Technology and Exploring Engineering', vol 8, No. 3, pp 137-140, Jan 2019. [Scopus indexed/web of Science]

19. **Gomathy B,** Nirmala, 'Diagnosis of Leaf Disease In Cucurbita Gourd Family Using Machine Learning Algorithms', 'International Journal of Recent Technology and Engineering', vol 8, No. 3, pp 6800-6804, Sep 2019. [Scopus indexed]

20. **Gomathy B,** G. Shanmugavadivel, 'Smart Shopping Cart', 'International Journal of Advanced Science and Technology', vol 28, No. 17, pp 91-97, Dec 2019. [Scopus indexed]

21. **Gomathy B,** G. Shanmugavadivel, 'Real Time Microclimate and Pollution Monitoring System', 'Adalya Journal', vol 8, No. 12, pp 757-761, Dec 2019. [Scopus indexed]

22. **Gomathy B,** D. Devarajan, 'A metaheuristic Segmentation framework for Retinal disorders from fundus images using hybrid ant colony otptimization', 'Soft computing A Fusion of foundation, methodologies and Application, SPRINGER', online, Feb 2020. [Science Citation Index/Scopus indexed]