


List of Publications:

1. N. Moratanch, and Dr. Chitrakala S., "A Novel Framework for Semantic Oriented Abstractive Text Summarization", Journal of Web Engineering, DoI : 10.13052/jwe1540-9589.1784 Science Citation Index (SCI),1-42, 2019 (Annexure 1).
2. T Subetha, and Dr. Chitrakala S., "Human Activity Recognition based on Interaction Modelling", Int. J. Data Mining, Modelling and Management, Inderscience, DOI:10.1504/IJDM.2019.10015450 Science Citation Index (SCI),2019 (Annexure 1).
3. Akila K, and Dr. Chitrakala S., "Highly refined human action recognition model to handle intraclass variability & interclass similarity", International Journal of Multimedia Tools and Applications, DOI 10.1007/s11042-019-7392-z Science Citation Index (SCI),1-19 , 2019 (Annexure 1).
4. Akila K, and Dr. Chitrakala S., "An efficient method to resolve intraclass variability using highly refined HOG description model for human action recognition", International journal of Concurrency and Computation: Practice & Experience,DOI: 10.1002/cpe.4856, Science Citation Index (SCI),246-260 , 2018 (Annexure 1).
5. R.Priyatharshini. and Dr. Chitrakala S., "A Self Learning Fuzzy Rule Based System for Risk Level Assessment of Coronary Heart Disease", IETE Journal of Research Science Citation Index (SCI),1-10 , 2018 (Annexure 1).
6. Kumaran P. and Dr. Chitrakala S., "Social influence determination on big data streams in an online social network", An International journal of  Multimedia Tools and Applications Special Issue (Springer), Online ISSN No: 1380-7501, Science Citation Index Expanded(SCIE),IF- 1.530 , 2017 (Annexure 1).
7. Priyatharshini R. and Dr. Chitrakala S., " An Active Contour Model Based Multi Objective Optimisation Technique for Coronary Calcium Scoring", J. Med. Imaging Health Informatics,Vol. 6,No.7,pp 1657-1662 ,Indexed in Science Citation Index Expanded (SCIE),Thomson Reuters ,Scopus - Elsevier ,Google Scholar,(2016),(Annexure I).
8. Kalaivani A. and Dr. Chitrakala S., "An Optimal Multi-Level Backward Feature Subset Selection for Object Recognition", under revision in IETE Journal of Research, Online ISSN : 0974-780X , Science Citation Index Expanded(SCIE), (Annexure I) IF : 0.284, 2016.
9. Suchitra S. and Dr. Chitrakala S., "Face Image Retrieval of Efficient Sparse Code word and Multiple Attribute in Binning Image", International Journal of Brazilian Archives of Biology and Technology Science Citation Index(SCI)IF - 0.546.,Oct (2016),(Annexure 1).

10. Chitrakala Gopalan and Manjula D., "Statistical Modelling for the Detection, Localization and Extraction of Text from Heterogeneous Textual Images Using Combined Feature Scheme", *Signal, Image and Video Processing*, Springer, published by SPRINGER. (2010). Science Citation Index(SCI), June 2011, Volume 5, Issue 2, pp 165-183,(Annexure 1).
11. Priyatharshini R. and Dr. Chitrakala S., "An Efficient Coronary Disease Diagnosis System Using Dual-Phase Multi Objective Optimization and Embedded Feature Selection, *International Journal of Intelligent Information Technologies (IJIT)* Volume 13, Issue 3, Indexed in Compendex (Elsevier Engineering Index), INSPEC, SCOPUS, Web of Science ,2017 (Annexure-I).
12. Kalaivani A. and Dr. Chitrakala S., "A Clustering-based Color Image Segmentation using Local Maxima", under revision for publication in *International Journal of Intelligent Information Technologies*.(Annexure-I), Vol. 13, Issue 4, Article 3. 2016.
13. Kalaivani A. and Dr. Chitrakala S., "Automatic Multi-Label Image Annotation for Natural Images", *Asian Journal of Information Technology*, vol. 15, no. 11, pp. 1645-1654.(Annexure-I) , 2016.
14. Kalaivani A. and Dr. Chitrakala S., "A Robust Automatic Color Image Segmentation", *Asian Journal of Technology*, Vol. 15, pp. 1645-1654 (2016).
15. Mrs. Rashmita Khilar and Dr. Chitrakala S., "A Novel Method for Vehicle Detection and Tracking by Eliminating Occlusion", *Asian Journal of Research in Social Sciences and Humanities*.Vol. 6, pp. 714-727. ISSN 2249-7315 DOI NUMBER: 10.5958/2249-7315.2016.00991.6, Special Issue Sept 2016,(Annexure I) IF: 0.0676
16. Akila K. and Dr. Chitrakala S., "A Study of Illumination at Diverse Environments", *CiiT International Journal on Digital Image Processing*, ISSN: 0974 - 9586, Vol.8, Issue: 8, (Sept 2016).
17. Suchitra S. and Dr. Chitrakala S., "Efficient Face Image Retrieval using Dynamic Selected Facial Attributes", *International Journal of Computer Science and Engineering Communications(IJCSEC)* , Vol. 3, Issue 3, pp. 1122-1128, ISSN: 2347-8586, (May 2015). IF - 0.321.
18. Bharatham C. and Dr. Chitrakala S., "Human Action Recognition Based On Enhanced Dynamic Time Warping", *International Journal of Advanced Research in Science and Engineering*, Vol. 4, Issue 2, pp. 819-829, 2015.

19. Dr. Chitrakala S., Akshaya K., Nisha S. and Sravya C., "Story Selection and recommendation system for Colour Commentary in Cricket", International Journal of Advanced Research In Science and Engineering, Vol. 4, Issue 2, pp.482-491 (2015).
20. Suchitra S. and Dr. Chitrakala S., "An Enhanced Face Image Retrieval using Relevance Feedback", International Journal of Applied Engineering Research (IJAER), Vol. 10, pp. 13775-13780 (2015). Indexed in SCOPUS, EBSCOhost, GOOGLE Scholar, JournalSeek, J-Gate, ICI, Index Copernicus IC Value 82.67, IF - 0.14.
21. Priyatharshini R. and Dr. Chitrakala S., "Socio-Demographic Customer segmentation for Economic Characteristics Prediction using Decision Tree Classification Technique", International Journal of Applied Engineering Research, Vol. 10, Number 17, pp 13307-13311, (2015).
22. Priyatharshini R., Sai Prashanthi S., Shanmathi A., Sankkavai Lumumba N.K. and Dr. Chitrakala S., "Demographic Population Segmentation for Predicting Employability Characteristics of Women", International Journal of Engineering Research and Technology, Vol. 10, pp. 13307-13311 (2015).
23. Priyatharshini R. and Dr. Chitrakala S., "Prediction of CT Lung Disease Using Back Propagation Network and Spatial Fuzzy Clustering", Australian Journal of Basic and Applied Sciences, Vol. 9, pp. 467-472 (May 2015).
24. Kalaivani A. and Dr. Chitrakala S., "Automatic Multi-Label Image Annotation for Natural Images", International Journal of Engineering Research & Technology, Vol. 3, Issue 16, pp. 408-413 (2015).
25. Akila K., Dr. Chitrakala S., "Analysis of Skeleton Joints Descriptor for Action Recognition", International Journal of Applied Engineering Research (IJAER) ,(Annexure II), Vol.10 No. 20, ISSN:0973-4562, (May 2015), PP -2031-2037, IF-1.8233.
26. Akila K., Dr. Chitrakala S. and Nandhakumar N., "Tracking Human Object with Motion, Temperature and Heart Beat", International Journal for Scientific Research and Development (IJSRD), , Vol. 3, Issue 2, pp-1047-1050(2015).
27. Balamurugan N. and Dr. Chitrakala S., "Fuzzy ontology based semantic video content extraction", International Journal of Advance Research In Science And Engineering, Vol. 4, Issue 2, pp. 819-829 (2015).
28. Rashmita Khilar, Dr. Chitrakala S., Hemavathy and Uma S., "A robust 3D model based Detection and Tracking", Australian Journal of Basic and Applied Sciences ISSN:1991 8178 EISSN 2309 -8414 10(12) July 2016, Pages: 443 - 449.(Annexure II) IF:0.786