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Area of Specialization :Image Processing, Deep Learning

Journals/ Conferences

International Journal

1. S.Suchitra, R.J.Poovaraghan, "Dynamic Multi-Attribute Priority Based Face Attribute Detection For Robust Face Image Retrieval System", International Journal of Multimedia Tools and Applications **(Springer)**, **(Accepted) Indexed in Science Citation Index Expanded (SCIE), Scopus (Elsevier).**

2. S.G. Gino Sophia, V. Ceronmani Sharmila, S.Suchitra, T.Sudalai Muthu, B.Pavithra, "Water Management using Genetic Alogrithm-based Machine Learning", Soft Computing **(Springer)**, Volume 24, Number 12, May 2020. **DOI**:10.1007/s00500-020-05009-0. **Indexed in Science Citation Index Expanded (SCIE), Scopus (Elsevier).**

3. S.Suchitra, P.Selvi Rajendran, M.Judith Leo, B.Pavithra, S.G. Gino Sophia, "Fused Local Octal Pattern and Gray Level Co-Occurrence Matrix: A New Texture Pattern for Robust Face Image Retrieval System", Jurnal of Test Engineering and Management, ISSN: 0193-4120, Volume: 83, Pg. No: 19255-19266, April 2020. **Indexed in Scopus**

4. P.Selvi Rajendran, S.Suchitra, B.Pavithra, "Developing Mobile App for Identifying Indian Currency Denomination using Convolution Neural Networks for Visually Impaired People", Journal of Xidian University, ISSN No:1001-2400, Volume 14, issue 4, April 2020. **Indexed in Scopus**

5. B.Pavithra, S.Suchitra, S.G.Gino Sophia, Jisha Lia George,"SDN Based Energy Efficient Cloud Data Center Networks", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN:2278-3075 (Online) Volume-8 Issue-12, October 2019. **Indexed in Scopus.**

6. S.Suchitra, S.Sathya Priya, R.J. Poovaraghan, B.Pavithra, J.Mercy Faustina, "Intelligent Driver Warning System using Deep Learning-based Facial Expression Recognition", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277- 3878 (Online), Volume-8 Issue-3, Pg. No.: 831-838, September 2019. **Indexed in Scopus.**

7. S.Suchitra, S.Sangeetha, "An Efficient Multiple Object Recognition using Gait Feature Extraction Based on Gaussian Filter", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277- 3878 (Online), Volume-8, Issue-1, Pg. No.: 898-904, May 2019. **Indexed in Scopus.**

8. M.Judith Leo, S.Suchitra, "SVM Based Expression-Invariant 3D Face Recognition System", International Journal of Procedia Computer Science, Volume: 143, Pg No:619-625, 2018. **Indexed in Scopus, Web of Science.**

9. V.Padmini, S.Suchitra, "Subspace Mapping Of Facial Attributes For Face Image Retrieval", International Journal of Latest Trends in Engineering and Technology, Vol. 8, Issue 3, pp.323-328, May 2017.

10. G.Sandeep, S.Shanmathi, K.Sahiti Keerthana, S.Suchitra, "Traffic Guidance for Inclement Weather using GPS Navigation System", International Journal of Computer Science and Engineering, Volume-3, Issue-3, ISSN: 2456-1843, March 2017.

11. S.Suchitra, S.Chitrakala, "Face Image Retrieval of Efficient Sparse Code word and Multiple Attribute in Binning Image", International Journal of Brazilian Archives of Biology and Technology, Vol.60: e17160480, January-December 2017, http://dx.doi.org/10.1590/1678-4324-2017160480, ISSN 1678-4324 Online Edition. **Indexed in ISI (Thomson Reuters), Science Citation Index (SCI), Scopus (Elsevier).**

12. S.Suchitra, S.Chitrakala, R.Sivaranjani,"An Enhanced Face Image Retrieval using Relevance Feedback", International Journal of Applied Engineering Research (IJAER), ISSN 0973-4562, Volume 10, Number 17 (2015), pp.13775-13780. **Indexed in Scopus.**

13. S.Suchitra, S.Chitrakala, R.Sivaranjani, "Efficient Face Image Retrieval using Dynamic Selected Facial Attributes" in International Journal of Computer Science and Engineering Communications(IJCSEC), Vol.3, Issue 3, Page.1122-1128, ISSN: 2347–8586, May 2015.

International Conference

1. Bannuru Ranjeeth , B. Srinivasa Reddy , Y. Manoj Kumar Reddy, S. Suchitra, B.Pavithra, " Smart Child Safety Wearable Device ", International conference on Electronics and Sustainable Communication Systems (ICESCS 2020) at Hindustan Institute of Technology, Coimbatore on 2-4 July 2020 **(Accepted) (Scopus)**

2. Surampalli Ashok, Gemini Kishore , Velpula Rajesh, S. Suchitra, S.G.Gino Sophia, B.Pavithra, "Tomato Leaf Disease Detection Using Deep Learning Techniques", 5th International Conference on Communication and Electronics Systems (ICCES 2020), PPG Institute of Technology, Coimbatore on 10-12, June 2020. **(Scopus)**

3. S.G.Gino Sophia, Nandha Kumaran K.T, Dino Datson A, Pavithra B, S. Suchitra, "Calculation of Undefined Edifice using Ultrasonic Waves based on Prediction of 3-dimensional Coordinates", International Conference on Intelligent Computing and Control Systems (ICICCS 2020) at Vaigai College of Engineering, Madurai, Tamil Nadu, India on 13-15 May 2020. **(Scopus)**

4. M.Venkata Phani Teja, V.Raghunadha Naidu, B.Venkata Sai Prakash, B.Pavithra, S.Suchitra, " Proficient Self-Adaptive Dynamic Traffic Monitoring Control System", 4th IEEE International Conference on Computing Methodologies and Communication (ICCMC 2020) at Surya Engineering College, Erode, Tamil Nadu, India on 11-13, March 2020. **(Scopus)**

5. V.Raghav Shankar, S. Suchitra, B.Pavithra, P. Selvi Rajendran, S. G. Gino Sophia, M. Judith Leo, "Energy Optimization for Smart Home Automation in Multi-Cloud Environment", 5th IEEE International Conference on Inventive Computation Technologies (ICICT-2020) at RVS Technical Campus, Coimbatore,26-28 February 2020. **(Scopus)**

6. J.Mercy Faustina, B.Pavithra, S. Suchitra, P. Subbulakshmi, "Load Balancing In Cloud Environment Using Self- Governing Agent", IEEE International Conference on

Electronics and Communication and Aerospace Technology (ICECA-2019) at RVS Technical Campus, Coimbatore, June 12 – 14 2019. **Scopus.**

7. B.Pavithra, S. Suchitra, P. Subbulakshmi, J.Mercy Faustina, "Smart Automatic Vehicle Management System by using RFID Tag for Child Safety Tracking and Vehicle Health Monitoring Framework", IEEE International Conference on Electronics and Communication and Aerospace Technology (ICECA-2019) at RVS Technical Campus, Coimbatore, June 12 – 14 2019. **Scopus.**

8. G. Narthana, S.Suchitra, S.Chitrakala, "An enhanced Face Image Retrieval using Gray Level Co-occurrence Matrix(GLCM)" in International Conference on Electical, Electronics & Computer Engineering (ICEECE-2016) at Vivekanandha College of Engineering for Womwn, Tiruchngode, March 22 – 23 2016.

9. M. Mohideen Abdulkader, S.Suchitra, "Facial Emotion Recognition from Dynamic Images Using Frame Matching Technique" in International Conference on Electical, Electronics & Computer Engineering (ICEECE-2016) at Vivekanandha College of Engineering for Woman, Tiruchngode, March 22 – 23 2016.

10. M. Mohideen Abdulkader, S.Suchitra, "Automated Driver Warning System by Emotion Recognition using Block Matching Technique" in International Conference on Applied Research and Engineering Management (ICAREM) at Professional Group of Institutions, March 10 – 11 2016.

11. G. Narthana, S.Suchitra, S.Chitrakala, "An Enhanced Age Invariant Face Image Retrieval and Recognition" in International Conference on Applied Research and Engineering Management (ICAREM) at Professional Group of Institutions, March 10 – 11 2016.

12. S.Suchitra, S.Chitrakala, "An Enhanced Face Image Retrieval using Dynamic Facial Attrbute " in International Conference on Computational Methods & Software Engineeering (CoMSE) at Anna University, Dec 28th - 30th 2015.

13. S.Suchitra, S.Chitrakala, R.Sivaranjani, "Efficient Face Image Retrieval using Dynamic Selected Facial Attributes" in International Conference on Big Data and Cloud Computing (ICBDCC15) at St.Peter's University, March 26th & 27th 2015.

14. R. Nivedha, A. Naga Ishwarya, S.Suchitra, "Image Contrast Enhancement Using a Pair of Transforms" Proceedings of the International Conference on Science Technology Engineering and Management -2k15 (ICONACME'15) during 26th & 27th March 2015, Jeppiaar Engg. College, Chennai.

National Conference

1. D. Indhupriya, R. Arivukkarasi, S.Suchitra, "Least Square Prediction using Difference Expansion Reversible Watermarking" in a national conference "NCIICT15" held at Easwari Engineering College, on April 16th 2015.