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Associate Professor,  
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Total experience (in years): 22.2

**Research area:**

**Primary:** Image Processing, Data Mining, Computer Vision, Big Data analytics, Deep Learning, Artificial Intelligence, Text mining, Social Network Analysis, CBIR.

**Secondary:** Natural Language Processing, Web formation Retrieval.

**Recent Publications:**

**International Journal**

1. 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. (**Scopus**)
2. 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. (**Scopus**)
3. 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. (**Scopus**)
4. 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. (**Scopus**)
5. 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.
6. 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.
7. 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).**

8. 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. **(Scopus)**
9. 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.
10. Nithya J, Suchitra S, S.Chitrakala, "Local Octal Pattern: A Proficient Feature Extraction for Face Recognition" International Journal of Computer Science and Mobile Computing (IJCSMC), ISSN: 2320-088X, Vol.3 Issue.4, April- 2014, pg. 139-146, April 2014.
11. Adlene Ebenezer.P, Suchitra.S, Poovaraghan.R.J. "Multi-index method for Geospatial Content based Image Retrieval" International Journal of Advanced Research in Computer Science Engineering and Information Technology (IJARCSEIT), Volume: 2 Issue: 2 , PP: 92- 98, ISSN: 2321-3337, Mar 2014.
12. S.Suchitra, S.Chitrakala, "A Survey on Face Detection", International Journal of Recent Advances in Engineering & Technology (IJRAET), ISSN (Online): 2347 – 2812, Volume-1, Issue-1, PP:113-118, October 2013.

### **International Conference**

1. 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)**
2. 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)**
3. 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)**
4. G. Narthana, S.Suchitra, S.Chitrakala, "An enhanced Face Image Retrieval using Gray Level Co-occurrence Matrix(GLCM)" in International Conference on Electrical, Electronics & Computer Engineering (ICEECE-2016) at Vivekanandha College of Engineering for Women, Tiruchngode, March 22 – 23 2016.
5. M. Mohideen Abdulkader, S.Suchitra, "Facial Emotion Recognition from Dynamic Images Using Frame Matching Technique" in International Conference on Electrical,

Electronics & Computer Engineering (ICEECE-2016) at Vivekanandha College of Engineering for Woman, Tiruchngode, March 22 – 23 2016.

6. 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.
7. 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.
8. S.Suchitra, S.Chitrakala, “An Enhanced Face Image Retrieval using Dynamic Facial Attribute ” in International Conference on Computational Methods & Software Engineering (CoMSE) at Anna University, Dec 28th - 30th 2015.
9. 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.
10. 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.
11. S.Suchitra, S.Chitrakala, J.Nithya, “A Robust Face Recognition using Automatically Detected Facial Attributes”, Proceedings of the First IEEE International Conference on Science, Engineering and Management Research (ICSEMR 2014), 27-29 November 2014, Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College, Chennai. DOI: 10.1109/ICSEMR.2014.7043665, (**Scopus**)
13. S.Suchitra, S.Chitrakala, “A Survey on Scalable Image Indexing and Searching”, Proceedings of the Fourth IEEE International Conference on Computing, Communication and Networking Technologies, Tiruchengode, July 4th – 6th 2013. DOI: 10.1109/ICCCNT.2013.6726512, (**Scopus**)
12. R.MahaRaja, S.Suchitra, “Image Fusion and Image Restoration for Image Retrieval using CBIR Technique” in an International Conference “ICMEET’12” held at Magna Engg., College, on March 2012.
13. E. Bhavani, S.Suchitra, “Trust Model with Intensified Malicious Node Detection in P2P Network” in an International Conference “ICMEET’11” held at Magna Engg., College, on March 2011.

### **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.
2. Nithya J, Suchitra S, Dr.S.Chitrakala, “An Efficient Facial Features Extraction using Local Octal Pattern for Face Recognition” in a national conference “NCIICT14” held at Easwari Engineering College, on March 26th 2014.

3. Harshini.K.V, Keerthi.S, Suchitra.S, “Restoration of degraded document images using sobel edge detection” in a national conference “NCIICT14” held at Easwari Engineering College, on March 26th 2014.
4. A.R.Hariharan, P.S.Madhu Ashwin, S.S.Madhen, S.Suchitra, “Finger Vein and Finger Texture Analysis using Holistic and Non-Linear Fusion Techniques” in a national conference “NCCCSNS-13” held at RMK College of Engineering and Technology, on March 2013.
5. R.MahaRaja, S.Suchitra, “Image Fusion and Image Restoration for Image Retrieval using CBIR Technique” in a national conference “NCEET12” held at PGP College of Engineering and Technology, on March 17th 2012.
6. E. Bhavani, S.Suchitra, “Trust Model for Witness Anonymity in Peer-to-Peer Network” in a national conference “Computer and Communication Technology” held at Easwari Engineering College, on May 2011.
7. E. Bhavani, S.Suchitra, “Trust Model with Intensified Malicious Node Detection in P2P Network” in an conference “ACTA’11” held at VCET, on March 26th 2011.
8. R.Muthukumar, S.Radhakrishnan, S.Santhosh, S.Suchita, “Traffic Sign Image Classifier using Pattern Recognition” in a national conference “TTICSIT’11” held at Sakthi Engineering College, on March 11th 2011.
9. S.Suchitra, S.Kayalvizhi, “Cooperation-based Caching System for MANETS” in a national conference “Cryptography & Network Security” held at VIT University, Vellore, Sathyamangalam, on Feb 18-19 2009.