

B. V. V. Sangha's
Basaveshwar Engineering College (Autonomous), Bagalkot
Department of Artificial Intelligence & Machine Learning

Research Publications (Year-wise)

Book Chapters:

1. Wadawadagi R., Pagi V. (2021) “Disaster Severity Analysis from Micro-Blog Texts Using Deep-NN”. In: Bhateja V., Peng SL., Satapathy S.C., Zhang YD. (eds) Evolution in Computational Intelligence. Advances in Intelligent Systems and Computing, vol 1176. Springer, Singapore.
2. Wadawadagi R., Pagi V. (2021) “Fine-Grained Sentiment Rating of Online Reviews with Deep-RNN”. In: Chiplunkar N., Fukao T. (eds) Advances in Artificial Intelligence and Data Engineering. Advances in Intelligent Systems and Computing, vol 1133. Springer, Singapore.
3. Wadawadagi, Ramesh S. and Veerappa B. Pagi (2020) “Sentiment Analysis on Social Media: Recent Trends in Machine Learning”. Handbook of Research on Emerging Trends and Applications of Machine Learning, edited by Arun Solanki, et al., IGI Global, 2020, pp. 508-527.
4. Wadawadagi R.S., Pagi V.B. (2019) “A Deep Recursive Neural Network Model for Fine-Grained Opinion Classification”. In: Santosh K., Hegadi R. (eds) Recent Trends in Image Processing and Pattern Recognition. RTIP2R 2018. Communications in Computer and Information Science, vol 1037. Springer, Singapore.

International Journals:

1. Vishwanath C. Kagawade and Shanmukhappa A. Angadi (2021) “VISA: a multimodal database of face and iris traits”, Multimedia Tools and Applications, 80, 21615–21650 (2021). Springer US. <https://doi.org/10.1007/s11042-021-10650-4>.
2. Vishwanath C. Kagawade and Shanmukhappa A. Angadi (2021) “Fusion of Frequency Domain Features of Face and Iris Traits for Person Identification”, Journal of The Institution of Engineers (India): Series B (2021). Springer India. <https://doi.org/10.1007/s40031-021-00602-9>.
3. Vishwanath C. Kagawade and Shanmukhappa A. Angadi (2021) “Savitzky–Golay filter energy features-based approach to face recognition using symbolic modeling”, Pattern Analysis and Applications (2021). Springer London. <https://doi.org/10.1007/s10044-021-00991-z>.
4. Bharati M Reshmi, IS Rajesh, “A novel method for automatic identification of fovea location and its centre in colour retinal fundus images”, International Journal of Medical Engineering and Informatics, Inder Science Publications, Vol.13, No.2, 2021, pp.103-110.
5. Wadawadagi, R., Pagi, V. (2020) “Sentiment analysis with deep neural networks: comparative study and performance assessment”. Artificial Intelligence Review, vol. 53, pp. 6155-6195 (2020).
6. Rajesh I S, Bharathi Malakreddy A, Bharati M Reshmi, “A review on automatic identification of fovea in retinal fundus images”, International Journal of Medical Engineering and Informatics, Inder Science Publications, Vol.12 No.2, 2020, pp.169-179.
7. Ramesh S. Wadawadagi & Veerappa B. Pagi (2019) “A multi-layer approach to opinion polarity classification using augmented semantic tree kernels”, Journal of Experimental & Theoretical Artificial Intelligence, vol. 31, issue 3, pp. 349-367 (2019).

8. Ramesh S Wadawadagi, Veerappa B Pagi (2019) “An enterprise perspective of web content analysis research: a strategic road-map”, *International Journal of Knowledge and Web Intelligence*, vol. 6, issue 2, pp. 51-88 (2019).
9. Vishwanath C. Kagawade and Shanmukhappa A. Angadi (2019) “Multi-directional local gradient descriptor: A new feature descriptor for face recognition”, *Image and Vision Computing*, Vol. 83–84, 39–50. Elsevier. <https://doi.org/10.1016/j.imavis.2019.02.001>.
10. Shanmukhappa A. Angadi and Vishwanath C. Kagawade (2017) “A robust face recognition approach through symbolic modeling of polar FFT features”, *Pattern Recognition 71C* (2017), pp. 235-248. Elsevier. <https://doi.org/10.1016/j.patcog.2017.06.014>.
11. Anil D. Devangavi and Dr. Rajendra Gupta, “Adaptive Congestion Controlled Multipath Routing in VANET” *IGI Global International Journal of Agent Technology Systems*, Vol. 9, Article 3, 2017.
12. Anil D. Devangavi and Dr. Rajendra Gupta, “Multipath Routing in VANET: Multi-Agent based Approach” *International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSE)*, Vol. 3, No. 11, pp 475-481, November 2017.
13. Anil D. Devangavi, and Dr. Rajendra Gupta, “Multi-Agent Based Context Aware Multicast Routing in VANET”, *International Journal of Computer Sciences and Engineering (IJCSE)*, Vol. 5, No. 10, pp 26-37, Oct 2017.
14. Anil. D. Devangavi, Dr. Rajendra Gupta “Multi-Agent System for Secured and Reliable Routing in VANET”, *International Journal of Research and Scientific Innovation (IJRSI)*, Vol. 4, No. 7, Jan 2017.
15. Shanmukhappa Angadi and Vishwanath Kagawade (2016) “Face recognition through symbolic modeling and analysis of segmented face images using Savitzky Golay filter features”, *International Journal of Technology and Science*, ISSN (Online) 2350-1111, (Print) 2350-1103 Volume IX, Issue 1, 2016 pp. 50-55.
16. Anil. D. Devangavi “A Comparative Study on Architectural Styles and from the perspective of Network Based Hypermedia Systems”, *International Journal of Engineering and Innovative Technology (IJEIT)*, Vol. 4, No. 7, Jan 2015.
17. C. S. Vijayashree, Vishwanath C Kagawade, T Vasudev (2014) “Estimation of Tilt in Characters and Correction for better Readability by OCR Systems”, *International Journal of Computer Applications* (0975 - 8887) Volume 90 - No 13, March 2014.
18. Basavaraj S. Anami, Ramesh S. Wadawadagi and Veerappa B. Pagi (2014) “Machine Learning Techniques in Web Content Mining: A Comparative Analysis”, *Journal of Information & Knowledge Management*, Vol. 13, No. 01, 1450005
19. Anil. D. Devangavi “Fuzzy Logic concepts and Decisions”, *IFRSA’s International Journal of Computing (IIJC)*, Vol. 3, No. 4, Oct 2013.
20. Anil. D. Devangavi “Overview of OLAP cubes, importance, build considerations and querying with MDX”, *International Journal of Computers and Technology (IJCT)*, pp 956-963, Vol. 9, No.1, June 2013.
21. G G Rajaput and B M Reshmi, Sidramappa C, “Automatic detection of fovea center using mathematical morphology in fundus images”, *IJMI. International Journal of Machine Intelligence*. ISSN: 0975–2927 & E-ISSN: 0975–9166, vo.l 3(4), 2011. (ICV:7.09 (2012), Citations:08)
22. S S Manvi, B M Reshmi, and Bhagyajyoti, “An agent based intrusion detection model for mobile adhoc networks”, *Mobile Information systems*, *Mobile Information systems* vol. 2(4), 2006, IOS Press. (Impact factor:0.849, Citations:04)

International Conferences:

1. Ramya and Bharati Reshmi, "A review on automatic detection of diabetic retinopathy using retinal fundus images", 2nd International Conference on adaptive computational intelligence, GSSS Institute of Technology, Mysore, 15th to 16th Dec 2020.
2. G G Rajput, Bharati M R, Rajesh I S, "Automatic detection and grading of diabetic maculopathy using fundus images", International Conference on Computational Intelligence and Data Science (ICCIDS 2019), Elsevier preceidia Computer Science, Volume 167, 2020, Pages 57-66, (Citations=01).
3. Pagi V.B., Wadawadagi R.S. (2018) "Opinion Content Extraction from Web Pages Using Embedded Semantic Term Tree Kernels". In: Chaki N., Cortesi A., Devarakonda N. (eds) Proceedings of International Conference on Computational Intelligence and Data Engineering. Lecture Notes on Data Engineering and Communications Technologies, vol 9. Springer, Singapore.
4. Shanmukhappa A. Angadi and Vishwanath C. Kagawade (2018) "Face and iris wavelet feature fusion through canonical correlation analysis for person identification", Third International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICECCOT), 14-15th December 2018, GSSSIETW, Mysore. IEEE. <https://doi.org/10.1109/ICECCOT43722.2018.9001636>.
5. Shanmukhappa A. Angadi and Vishwanath C. Kagawade (2018) "Detection of face spoofing using multiple texture descriptors", International Conference on Computational Techniques, Electronics and Mechanical Systems (CTEMS'18), K.L.S. Gogte Institute of Technology, Belagavi, Karnataka, India, 21-23 December 2018. IEEE. <https://doi.org/10.1109/CTEMS.2018.8769129>.
6. Anil D. Devangavi and Dr. Rajendra Gupta, "Bezier Curve based Multipath Routing in VANET" In Proceedings of IEEE Second International Conference on Advances in Electronics, Computers and Communications (ICAIECC), Feb 9-10 2018.
7. Rajesh I.S., Bharathi M.A., Reshmi B.M. "A Comprehensive Review on Automatic Diagnosis of Diabetic Maculopathy in Retinal Fundus Images." In: Thampi S., Marques O., Krishnan S., Li KC., Ciuonzo D., Kolekar M. (eds) Advances in Signal Processing and Intelligent Recognition Systems. SIRS 2018. https://doi.org/10.1007/978-981-13-5758-9_35, Communications in Computer and Information Science, Vol. 968. Springer, Singapore, pp 410-420. (Citations=04).
8. C. S. Janadri, B. G. Sheeparamatti and V. Kagawade (2017) "Multiclass classification of kirlian images using svm technique", 2017 International Conference on Advances in Computing, Communications and Informatics (ICACCI), 2017, pp. 2246-2250. IEEE. <https://doi.org/10.1109/ICACCI.2017.8126180>.
9. Shanmukhappa Angadi and Vishwanath Kagawade (2017) "Iris recognition: A symbolic data modeling approach using Savitzky-Golay filter energy features", International conference on Smart Technologies for Smart Nation, REVA University, Bangalore, ISBN: 978-1-5386-0568-4, 17-19 August 2017. IEEE. <https://doi.org/10.1109/SmartTechCon.2017.8358392>.
10. Shanmukhappa Angadi and Vishwanath C. Kagawade (2017) "Iris recognition using Savitzky-Golay filter energy feature through symbolic data modeling", 6th IEEE international conference on Advances in Computing, Communications and Informatics (ICACCI 2017), 13-16 September 2017, Manipal University, Karnataka, ISBN:978-1-5090-6367-3, Jan. 06, 2017. IEEE. <https://doi.org/10.1109/ICACCI.2017.8126047>.
11. Anil D. Devangavi, Dr. Rajendra Gupta "Routing Protocols in VANET: A Review" In proceedings of 3rd International Conference on Contemporary Issues in Science, Engineering and Management organized by International Institute of Research and Journals at Bangalore during 22-23 July 2017.

12. Anil. D. Devangavi, and Dr. Rajendra Gupta, "Routing Protocols in VANET: A Survey" In Proceedings of IEEE International Conference on Smart Technologies for Smart Nation (SmartTechCon 2017), pp 163-167, 17-19 August 2017.
13. G.G. Rajput and B. M. Reshmi, "Automatic detection of diabetic macular edema from color fundus images", Proceedings of ICCR-2016, MIT, Mysore.
14. Rajesh I S, Bharati M Reshmi, Bharathi M A "Automatic Hard Exudates Identification In Color Retinal Fundus Images", proceedings of the 10th INDIACom-2016: IEEE Conference ID-37465, 3rd international conference on "Computing for sustainable Global Development" BVICAM, Delhi, ISSN-0973-7529; ISBN 978-93-80544-20-5, 2016, pp. 2041-46.
15. Rajesh I S, Bharati M R, Bharathi M A, "A Survey on Automatic Detection of Diabetic Retinopathy using color Retinal Images", Second National Conference on Digital signal and Image Processing", Feb 19-20, 2016, PP-54-59.
16. Shanmukhappa Angadi and Vishwanath C. Kagawade (2016) "Face Recognition Through Symbolic Data Modeling of Local Directional Gradient", In: Shetty N., Patnaik L., Prasad N., Nalini N. (eds) Emerging Research in Computing, Information, Communication and Applications. ERCICA 2016. Springer, Singapore. https://doi.org/10.1007/978-981-10-4741-1_7.
17. G. G. Rajput and B. M. Reshmi, "Mathematical Morphology based Optic Disk detection in retinal fundus images", NCDISP, 12th and 13th Feb 2015, MIT Campus, Pune. (Best Oral Paper presentation Award).
18. Kagawade V. C., Vijayashree C.S., Vasudev T. (2014) "Transformation of Artistic Form Text to Linear Form Text for OCR Systems Using Radon Transform", In: Sridhar V., Sheshadri H., Padma M. (eds) Emerging Research in Electronics, Computer Science and Technology. Lecture Notes in Electrical Engineering, vol 248. Springer, New Delhi. https://doi.org/10.1007/978-81-322-1157-0_76.
19. G G Rajput and B M Reshmi, "Automatic detection of fovea center using mathematical morphology in fundus images" Recent advances in Intelligent Informatics, Springer, Symposium on Intelligent Informatics (ISI'13), In: Thampi S., Abraham A., Pal S., Rodriguez J. (eds) Recent Advances in Intelligent Informatics. Advances in Intelligent Systems and Computing,. Springer, Cham, https://doi.org/10.1007/978-3-319-01778-5_5, 2014, vol. 235, pp. 41-52.
20. Kagawade V. C., Vijayashree C. S., Vasudev T. (2013) "Transformation of Artistic Form Text to Linear Form Text for OCR Systems", In: Kumar M. A., R. S., Kumar T. (eds) Proceedings of International Conference on Advances in Computing. Advances in Intelligent Systems and Computing, vol 174. Springer, New Delhi. https://doi.org/10.1007/978-81-322-0740-5_138.
21. B M Reshmi and S S Manvi, "An agent based intrusion detection frame work for local area networks", National Conf on devices, intelligent systems and communications, Sep 26-28 2005, MAHE, Manipal.
22. B M Reshmi and S S Manvi, "Masquerade detection by using activity patterns", Proc. of the First European Conf on Computer Networks Defense School of Computing, University of Glamorgan, Wales, UK, Dec 2005.(Presented in Glamargon University, Wales, UK, Citations:02)

National Conferences:

1. G. G Rajput and B M Reshmi. Article: "**Automatic detection of Optic Disc based on Mathematical Morphology using Retinal Fundus Images**". IJCA Proceedings on National conference on Digital Image and Signal Processing DISP 2015(2):1-5, April 2015. (**Citations:04**)

Patent Published:

1. **Invention Title:** Digital visitors counter for social distancing. Publication Number:16/2021.