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Faculty Journal Publications / Conference Paper Presentations-2022

1. Basavaraj S. Anami, Chetan V. Sagaranal "Influence of Different Activation Functions on Deep Learning Models in Indoor Scene Images Classifications", in a Journal of Pattern Recognition And Image Analysis ,Sringer , Vol.32, PP 78-88, 2022.
   Scopus Indexed, DOI: 10.1134/S1054661821040039

2. Dr.Rajesh Yakkundimath, Girish Saunshi, Dr. B. S. Anami and Surendra Palaigh "Classification of Rice Diseases using Convolutional Neural Network Models",in a Journal of The Institution of Engineers (India): Series B Classification of Rice Diseases using Convolutional Neural Network Models, Springer 2022.
   DOI: https://doi.org/10.1007/s40031-021-00704-4

3. Rajesh Yakkundimath, R, Girish Saunshi, Anami, B S. and Surendra Palaiah "A Comparative Study of Deep Learning Models for Rice Disease Classification", in a Journal of The Institution of Engineers (India): 2022,Springer. DOI: https://doi.org/10.1007/s40031-021-00704-4

4. Girish Saunshi,Mahantesh Elemmi, Rajesh Y. and Naveen M. " Paddy variety identification from field crop images using deep learning techniques", international journal of Computational vision and Robotics,2022(Accepted)

5. Rajesh Y. and Varsha vaidya "Automated Classificaton of Cervical Cells Using Integrated VGG-16 CNN Model",International journal of Medical Engineering AndInformatics,2022(Accepted)

6. Rajesh Y. "Co-occurrence Histogram Based Ensemble of Classifiers for Classification of Cervical cancer cells", Journal of Electronic Science and Technology 2022.(Accepted).

7. Mahantesh Sajjan , Linganagouda Kulkarni, Basavaraj S. Anami, Nijagunadev Gaddagimath "Chilli Dryness And Ripening Stages assessment Using Machine Vision", International Journal of Image , Graphics and Signal Processing,2022(Under Review)

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1. Mrityunjaya V. Latte, V. Kumar Swamy, Basavaraj S. Anami "A novel feature set for bone fixator classification from post-operative X-ray images" in an International Journal of , Medical Engineering and Informatics, Vol. 13,pp 24-34, No. 1, 2021 Inderscience Enterprises Ltd

2. Basavaraj S. Anami, Venkatesh Arjunasa Bhandage "SME feature-based classification of Adavu and posture images of Bharatanatyam dance" in an International Journal of Arts and TechnologyVol. 12, No. 4, pp 317-334, Inderscience 2021

3. D.S. Guru , N. Vinaykumar, Basavaraj S. Anami "Effective Technique to Reduce the Dimension of Text Data", International Journal of Computer Vision and Image Processing,(IJCVIP)10(1),2020 ,Volume: 10 ,Issue: 1 ,Article: 4 ,pages: 19
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    DOI: 10.4018/IJCVIP.2020010104

4. S.V. Shwetha, L. Dharmanna and Basavaraj S. Anami "Novel feature set for automatic assessment and classification of breast tumor through back propagation artificial neural network", Journal of Mathematical and Computational Science, No. 2, 1997-2014 https://doi.org/10.28919/jmcs/5402 ISSN: 1927-5307

5. Basavaraj S. Anami, Mahantesh C. Elemmi "Comparative analysis of SVM and ANN classifiers for defective and non-defective fabric images classification", in The Journal of The Textile Institute, 2021 Taylor and Francis , DOI:https://doi.org/10.1080/00405000.2021.1915559

6. Kumar Swamy V., Basavaraj S. Anami and Mrityunjaya V. Latte "A combined feature set for automatic diaphyseal Tibial fracture classification from X-Ray images" in journal of Biomedical Signal Processing and Control (IF3.88), 2021,Elsevier, DOI: 10.1016/j.bspc.2021.103119

7. Shridhar Allagi, Rashmi Rachh and Basavaraj Anami "A hybrid model for data security and preserving anonymity using machine learning", International Journal of Information Technology volume 13, pages2397–2410 (2021).DOI: https://doi.org/10.1007/s41870-021-00733-8

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8. Manohar Madgi, Shantala Giraddi, Dr.Geeta BAramagoudar,M.S.Madhur "Brain Tumor Classification and Segmentation using Deep Learning" International Journal on SMART COMPUTING & INFORMATICS, 2021 Volume 224, pp 201-208 Scoopus Indexd 2021, Springer Series.

9. Dr.Geeta Baramagoudar Presented a paper on "Feasibility study of Software Engineering Aspects of Big Data Analytics Applications for Academicians", Springer (Cyber Intelligence & Information Retrieval) CIIR 2021 on 20th-21st May 2021

10. Dr.Rajesh Yakkundimath, Girish Saunshi, Surendra Palaigh "Automatic methods for classification of visual based viral and bacterial disease symptoms in plants**" in** an International Journal of Information Technology (2021) , Scopus Indexed
      DOI - 10.1007/s41870-021- 00701-2

11. Shridhar Allagi, Rashmi Rachh and Basavaraj Anami " A Hybrid Model for Data Security and Preserving Anonymity using Machine Learning", in an international journal of Information Technology, Springer, pp 2397-2410, August 2021.DOI: https://doi.org/10.1007/s41870-021-00733-8

12. Vijeeta Patil, Shanta Kallur and Vani Hiremath "Multimodal Fusion of Face and Palm Using Local Color Binary Patterns and Haralick Features",in Journal of Data Mining and Management, e-ISSN: 2456-9437 Volume-6, Issue-3 (September-December, 2021)

13. Vishwanath Kamatar and Vishwantah Baligar Presented a paper entitled "Low ComplexityGray Scale Image Compression Method Using Index –Based Approach" In an Asian Conference on Innovative Technology,Pune , India,August 28-29 2021.

14. Vishwanath Kamatar, Vishwantah Baligar Presented a paper entitled "A Blockwise Image Compression using Major and Minor Diagonal Pixels", In an Asian Conference on Innovative Technology,Pune , India,August 28-29 2021.

15. Vishwanath Kamatar and Vishwantah Baligar Presented a paper entitled "Two Phase Image Compression Algorithm Using Diagonal Pixels of Image BloCks" in 2nd International Conference for Emerging Technolngy' (INCE) Belgaum, 1mdia. May 21-23, 2021.

16. Ravi Hosamane, Shridhar Devamane, T. Yerriswamy and Shreya Bagalawadi " Deep Learning Based Human to HumanInteraction Detection Usng Wreless Fidelity" Springer   J.F.:dePazSatanaet.al(Eds):DiTTEt   2021,   pp   22-31 DOI:https://doi.org/10.1007/978-3-87687-6_3

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17. Balachandra G. C. and Vijeeta Patil presented a paper on " Advanced Alzheimer's IOT solution for Real –Time monitoring in Healthcare Services" in an international Conference of advancement in Technology(ICONAT),Goa, January 2022.

18. Dr.Rajesh Yakkundimath, Nagaraj Gadagin and Shridar Chini presented a paper on "Automated Classification Of Wheat Varieties Using Soft Computing Techniques" in an International Conference on Cognition and Recognition ICCR- 2021 organized by Maharaja Institute of Technology Mysore, Mandya, India.

19. Vijeeta Patil,Vilas Naik, Prathima, G. "A Comparative Study of Different ML Techniques for Medical Image Analysis", published in Journal of Image Processing and Artificial Intelligence (e-ISSN: 2581-3803) Vol 7, Issue 1 Year 2021.

20. Gouri C. Khadabhadi,Dr.Geeta Baramagoudar,Dr.Shashidar G. Thotad, and Dr. V. B. Naragund "A Survey on Identification and Classification of Diseases in crops using Image Processing techniques", Grenze International Journal of Engineering and Technology, Jan-2021,Grenze ID: 01.GIJET.7.1.506, pp 174-179

21. Dr.Shashidar Thotad, K. G. Karibasappa,Dr.Geeta Baramagoudar "Detection of Anamoly in Streaming Dataset", Springer LNCS in Networks and Systems , 2021 Volume 197,pp 413-422.

22. Lalitha Madanabhavi,Abhishek D. Sawanth ,Dr.Geeta Baramagoudar "Smart Parking System for Educational Institution" Grenze International Journal of Engineering and Technology, Grenze ID: 01.GIJET.7.1.552, Jan-2021, pp 342-348

23. Shrikanth Malligwad, Dr.Geeta Baramagoudar, Shoba R. B. , Manohar M. Madgi "Geo-Social: Location and Social Metrics Enabled MoNs Routing Algorithms" GrenzeInternational Journal of Engineering and Technology, Jan-2021, Grenze ID: 01.GIJET.7.1.551, pp 337-341

24. Shridhar Allagi, Rashmi Rachh and Basavaraj S. Anami. "A Robust Support Vector Machine Based Auto-Encoder for DoS Attacks Identification in Computer Networks". IEEE 2021 International Conference on Intelligent Technologies (CONIT),KLEIT,Hubballi

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25. Shravan K., Shridhar Allagi, Dr. Rashmi Rachh "An Approach For Securing Big Data Environment Using Machine Learning For Dynamic Processing Of Portable Executable In Network", International Journal of Advanced Research in Engineering and Technology (IJARET) Volume 12, Issue 1, January 2021, pp. 274-281, Article ID: IJARET_12_01_023

    Available online at http://iaeme.com/Home/issue/IJARET?Volume=12&Issue=1 ISSN Print: 0976-6480 and ISSN Online: 0976-6499 DOI: 10.34218/IJARET.12.1.2021.023

26. Rashmi Rachh, Shridhar Allagi, Shravan K. book chapter 11 on " Machine Learning Algorithms for Prediction of Heart Disease" in Demystifying BigData, Machine Learning, and Deep Learning for healthcare Analytics, Science Direct 2021.

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Faculty Journal Publications / Conference Paper Presentations-2020

1. Basavaraj S. Anami, Naveen N. Malvade and Surendra Palaiah, "Deep learning approach for recognition and classification of yield affecting paddy crop stresses using field images", *Artificial Intelligence in Agriculture*, Vol. 4, 2020, pp. 12-20. doi:https://doi.org/10.1016/j.aiia.2020.03.001.

2. D.S. Guru, N. Vinayakumar, Basavaraj S. Anami "Effective Technique to Reduce the Dimension of Text Data", in an International Journal of Computer Vision and Image Processing (IJCVIP) 10(1),Pages: 19, DOI: 10.4018/IJCVIP.2020010104

3. Basavaraj S. Anami, Naveen N. Malvade and Surendra Palaiah, "Classification of yield affecting biotic and abiotic paddy crop stresses using field images", *Information Processing in Agriculture*, Vol. 7, Issue 2, 2020, pp. 272-285.
ISSN 2214-3173, https://doi.org/10.1016/j.inpa.2019.08.005.

4. Kiran B. Malagi, Karuna C. Gull and Veena M., "Framework for preparation of quality question paper", *Science, Technology and Development Multidisciplinary Journal,* Vol. 9, Issue 5, 2020, pp. 185-192. doi:20.18001.STD.2020.V9I5.20.33822

5. Shridhar Allagi and Pradeep Surasura, "Predicting Reliability of Web Services using Hidden Markov Model", *Evolution in Computational Intelligence, Advances in Intelligent Systems and Computing*, Vol. 1176, 2020, pp. 169-179.
Springer, https://doi.org/10.1007/978-981-15-5788-0_16

6. Govindraj Chittapur, S. Murali and Basavaraj S. Anami, "Forensic Approach for Object Elimination and Frame Replication Detection Using Noise Based Gaussian Classifier", *International Journal of Computer Engineering in Research Trends (IJCERT)*, ISSN:2349-7084, Vol. 7, Issue 3, 2020, pp. 1-5.

7. Govindraj Chittapur, S. Murali and Basavaraj S. Anami "Tempo Temporal Forgery Video Detection Using Machine Learning Approach.", Journal of Information Assurance & Security . 2020, Vol. 15 Issue 4, p144-152. 9p.EBSCO

8. Shanta Kallur, Puneeth Totad, Vijeeta Patil,Susen Naik and Supriya Belkar, "Detection of Phishing Websites", *MAT Journals, Journal of Computer Science Engineering and Software Testing,* Vol. 6, Issue 1, 2020, pp. 2581-6969.
doi: 10.5281/zenodo.3630207.

9. Anusha Reddy, T. M. Manu, Basavaraj S. Anami and Nagaraj P. Shetti, "A multiagent based hexagon shape approach for shortest path computation in wireless sensors network", *Sensors International*, *KEAI Publishers,* Vol. 1, 2020, pp. 1-10.
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10. Guru, D. S., Swarnalatha K., Kumar N. V. and Anami, B. S., "Effective Technique to Reduce the Dimension of Text Data", *International Journal of Computer Vision and*

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Image   Processing,   Vol.   10,   Issue   1,   2020,   pp.   67–85. https://doi.org/10.4018/ijcvip.2020010104

11. Dasharath K. Bhadangkar, Jagadeesh D. Pujari and Rajesh Yakkundimath, "Comparison of Tuplet of Techniques for Facial Emotion Detection", *Fourth IEEE International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)*, Palladam, India, 2020. doi: 10.1109/I-SMAC49090.2020.9243439.

12. S. G. Kanakaraddi, A. K. Chikaraddi, K. C. Gull and P. S. Hiremath, "Comparison Study of Sentiment Analysis of Tweets using Various Machine Learning Algorithms", *International Conference on Inventive Computation Technologies (ICICT)*, Coimbatore, India, 2020, pp. 287-292. doi: 10.1109/ICICT48043.2020.9112546.

13. Shridhar Allagi and Pradeep Surasura, "Predicting Reliability of Web services using Hidden Marcov model", *Springer Proceedings, 8th International Conference on Forntiers of Intelligent Computing Theory and Applications (FICTA),* Jan. 2020, pp. 169-179.

14. Vijeeta Patil, "A Comparative Study of Different ML Techniques for Medical Image Analysis", *Proceedings, International Conference on AI, Robotics and Automation 2020 (ICARA)*, Global Technology Forum 2020 organized by ICT Academy, 14-18 Oct. 2020.

15. Dr. Rajesh Yakkundimath presented a paper entitled " Comparison of Tuple of Techniques for facial Emotion Detection " in an International Conference on I-SMAC organized by SCAD Institute of Technology at Palladam, India on 07-09 October 2020

16. Susen P. Naik , Fuad A. KAtanaur, Sana KAtanur" Automatic Fog Detection With Alchohol Detector", International Journal of Computer SCince and Engineering, 2020.Vo. 9,Isue02.

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Faculty Journal Publications / Conference Paper Presentations-2019

1. Basavaraj S. Anami, Naveen N. M. and Surendra P., "Automated Paddy Variety Recognition from Color-Related Plant Agro-Morphological Characteristics", *International Journal of Image, Graphics and Signal Processing (IJIGSP)*, Vol. 11, No.1, 2019, pp. 12-22.   doi: 10.5815/ijigsp.2019.01.02.

2. Basavaraj S. Anami, Naveen N. Malvade and Surendra Palaiah, "Automated recognition and classification of adulteration levels from bulk paddy grain samples", *Information Processing in Agriculture*, Vol. 6, Issue 1, 2019, pp. 47-60. https://doi.org/10.1016/j.inpa.2018.09.001.

3. Basavaraj S. Anami and M. C. Elemmi, "ANN Approach for Classification of Different Origin Fabric Images" International Journal of Image, Graphics and Signal Processing, Vol. 12, 2019, pp. 29-38. doi: 10.5815/ijigsp.2019.12.04

4. Swarnalatha K., Guru D. S., Anami B. S. and Suhil M., "Class wise Clustering for Classification of Imbalanced Text Data", *Emerging Research in Electronics, Computer Science and Technology. Lecture Notes in Electrical Engineering*, Vol. 545, pp. 83-94. Springer, Singapore. https://doi.org/10.1007/978-981-13-5802-9_8.

5. Anami, B.S. and V. A. Bhandage, "Combined Hu moments, orientation knowledge, and grid intersections feature based identification of Bharatanatyam mudra images", *Pattern Analysis and Applications*, Vol. 22, 2019, pp. 1439–1454. https://doi.org/10.1007/s10044-018-0715

6. Basavaraj S. Anami and Venkatesh Bhandage, "A Comparative Study of Certain Classifiers for Bharatanatyam Mudra Images Classification using Hu-Moments", *International Journal of Art, Culture and Design Technologies (IJACDT)*, Vol. 8, Issue 2, 2019, pp. 14-20.   doi: 10.4018/IJACDT.2019070104.

7. Basavaraj S. Anami and M. C. Elemmi, "Comparative Study of Certain Classifiers for Variety Classification of Certain Thin and Thick Fabric Images", *International Journal of Image, Graphics and Signal Processing*, Vol. 1, 2019. pp. 54-61.
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9. Basavaraj S. Anami and Deepa S. Garag, "A Semi-automatic Methodology for Recognition of Printed Kannada Character Primitives useful in Character Construction", *International Conference of Recent Trends in Image Processing and Pattern Recognition*, Solapur, India, 17 July, 2019.
doi:10.1007/978-981-13-9187-3_22

10. Basavaraj S. Anami and Deep S. Garag, "Development of Inter-primitive Grammar for Construction of Kannada Language Vowels and Consonants Based on their Hierarchical

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11. Vijeeta Patil, "Automatic Vehicle Number Plate Recognition", *International journal of Advanced Research,* 2019, pp. 186-217.　　　*doi*:10.21474/IJAR01/9492

12. Raju A. Nadaf, S. M. Hatturea, Vasudha M. Bonala and Susen P. Naik, "Home Security against Human Intrusion using Raspberry Pi", Procedia Computer Science, Vol. 167, 2020, pp. 1811-1820. https://doi.org/10.1016/j.procs.2020.03.200.

13. Vijeeta Patil and Shivakumar Yarashi, "Study of the effect of Nano Particles on Poly TetraFluoroEthylene for structural Applications", *International Journal of Computer Science and Technology*, Vol. 10, Issue 3, 2019, pp. 16-20. ISSN-0976-8491.

14. Shridhar Allagi and Rashmi Rachh, "Analysis of Network log data using Machine Learning", *IEEE 5th International Conference for Convergence in Technology (I2CT), Bombay*, India, 2019, pp. 1-3.
doi: 10.1109/I2CT45611.2019.9033737.

15. Shridhar Allagi and Rashmi Rachh, "Framework for providing Security in Private Cloud using Machine Learning Techniques", *International Journal of Engineering and Advanced Technology (IJEAT)*, Vol.9, Issue 1, 2019, pp. 7641-7645.

16. Vijeeta Patil, Vishwanth Kamatar and Pradeep Surasura, "Detection of skin cancer", *International journal of engineering Science and computing*, Vol. 9, Issue 10, 2019, pp. 23984-23990. ISSN: 23213361.

17. Vijeeta Patil and Vishwanath Patil, "Efficient bandwidth utilization for TCP based online games", *International Journal of Engineering Science and Technology*, Vol. 4, Issue 7, 2019, pp. 236-240. ISSN -24552143.

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Faculty Journal Publications / Conference Paper Presentations-2018

1. Madgi M. and Danti A., "Automatic Classification of Normal and Affected Vegetables Based on Back Propagation Neural Network and Machine Vision", *Recent Trends in Image Processing and Pattern Recognition, Communications in Computer and Information Science*, , Springer, Singapore.
ISBN 978-981-13-9187-3

2. Manohar Madgi, "Computer Vision based Identification of Vegetables and its Quality using Image Processing", *3rd International Conference on Inventive Computation Technologies(ICICT)*, RVS Technical Campus, Coimbatore, India, 15-16 Nov. 2018.

3. Manohar Madgi and Ajit Danti, "*An Enhanced Classification of Indian Vegetables using Combined Color and Texture Features*", *International Journal of Computer Engineering and Applications (IJCEA)*, Vol. 12, Issue 1, 2018, pp. 93-99.

4. Rajesh Yakkundimath, Girish Saunshi and Vishwanath Kamatar, "Plant Disease Detection using IoT", *International Journal of Engineering Science and Computing*, Vol. 8, Issue 9, 2018, pp. 902-906.

5. Kiran Malagi, "A laboratory based approach for CO and PO attainment for Tier II Institutions", *6th International Conferences on Transformations in engineering Education (ICTIEE),* Malla Reddy Engineering college, Hyderabad-India, 07-08 Jan. 2019.

6. *Vishwanath Kamatar, Rajesh Yakkundimath and Girish Saunshi, "Behavior of SVM based Classification for varying sizes of heap-grain images, International Journal of Computer Sciences and Engineering*, Vol. 6, Issue 12, 2018, pp. 32-42.