



Maharaja Institute of Technology Mysore

Belawadi, Srirangapatna Taluk, Mandya – 571 477

Department of Computer Science & Engineering



RESEARCH AND PUBLICATIONS

Faculty Publications in Conference [2016-2020]

1. Ranjith K C, Sharath Kumar Y H, “**An approach for Logo Detection and Retrieval in Documents**”, Recent Trends in Image Processing and Pattern 2016, Dec 2016, Bidar.
2. Deepu R, Murali S, “**Stereo Matching Algorithm for 3D Reconstruction from 2D Images**” 2016
3. Deepu R, Murali S, “**Generation of Images from Monocular Image for Stereovision**” 2016
4. Deepu R, Murali S, “**3D Model Reconstruction Using Multiple Planes from Single 2D Image**” 2016
5. Deepu R, Murali S, “**A Mathematical Model for the Determination of Distance of an Object in a 2D Image**” 2016.
6. Dr. Murali S, Natesh N, “**An Indoor Navigation System for Blind People**” International Conference on Cognition and Recognition (ICCR) ,International Conference on Cognition and Recognition (ICCR), Dec 30 – Dec 31 2016, Mysore.
7. Dr. Murali S, Natesh N, “**Optimal Path Selection for robot navigation using genetic Algorithm**” International Conference on Cognition and Recognition (ICCR) , International Conference on Cognition and Recognition (ICCR), Dec 30 – Dec 31 2016, Mysore.
8. Honnaraju B, Murali S, “**A Novel Approach for Estimating Depth From Single 2D Image Based Person Detection**”, International Conference on Signals and Image Processing(ICSIP), Aug 18 –Aug 19 2017,Mysore.
9. Honnaraju B, Murali S, “**An effective approach for Distance estimation using Smart Phone**” International Conference on Cognition and Recognition (ICCR), Dec 30 – Dec 31 2016, Mysore.
10. Ranjith K C, Sharath Kumar Y H, “**An approach for Logo detection and retrieval in documents**”, International Conference on Cognition and Recognition (ICCR), Aug 18 –Aug 19 2017,Mysore.
11. Suhas G, Sharath Kumar Y H, “**Identification and Classification of Fruit Diseases**”, International Conference on Cognition and Recognition (ICCR), Aug 18 –Aug 19 2017,Mysore.

12. Prasanna G Patil, “**Virtual Eye Glasses Try-On System**”, Second National Conference on Engineering Innovations and Solutions, GSSSIETW Mysore 2018.
13. Honnaraju B, Murali S, “**An Approach for Estimation of Distance Information between two persons from 2D image**”, **International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2018), PESCE Mandya.**
14. Deepu R, Lakshmi Durga, “**Handwriting Analysis Through Graphology: A Review**”, IEEE Conf. 2018.
15. Shobha B S, Deepu R, “A Review on Video Based Vehicle Detection, Recognition and Tracking” 3rd IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions.
16. Deepu R, “**A Survey on Depth Estimation for 3D Reconstruction of Images.**” International Conference on Transcends in Science, Technology and Management. 2020
17. Ranjith K C, “Log Detection using Deep Learning” 2020.
18. Kavya Priya M L, Geetalaxmi Jayaram, “**WSN based Electronic Livestock of Dairy Cattle & Physical Parameters Monitoring**”, **International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-2018), PESCE Mandya.**

Faculty Publications in Journal [2016-2020]

1. Dr. Deepu R, “3D Reconstruction From Single 2D image”. International Journal of Latest Research in Engineering and Technology.2016
2. Dr. Deepu R, Murali S, “Path Generation for Robot Navigation using a Single Ceiling Mounted Camera”. International Journal of Scientific Engineering and Applied Sciences, Jan 2016
3. Dr. Deepu R, Murali S, “Stereo Matching Algorithm for 3D Reconstruction from 2D Images”. International Journal for Technological Research in Engineering, Jan 2016
4. Dr. Deepu R, Ajay H, “Model Demising Using Neural Networks”International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)Aug 2017.
5. Dr. Deepu R, Ashwini T, “Accurate Angular Motion And Acceleration Detection for An in Motion Object Based on Triple-Axis Deviation correction”, Journal of Engineering Research and Applications, April 2018
6. Dr. Deepu R, Ajay, “Automating the Human Resource System- A modular ICSA approach to Human Recruitment via Dynamic Emotional Evaluation”, International Research Journal of Engineering and Technology (IRJET) Volume 05, April 2018

7. Dr. Deepu R, "Robotic Path Planning for Multiple Goals in Dynamic Environment" International Research Journal of Engineering and Technology (IRJET) Volume 05, April 2018
8. Honnaraju B, Arpitha K, "Vision based Anomaly Detection system for ATM" International Research Journal of Engineering and Technology (IRJET) Volume 05, April 2018
9. Honnaraju B, Santhosh D K, "Vision Based Automatic Parking Slot Detection of ADAS" International Research Journal of Engineering and Technology (IRJET) Volume 05, April 2018
10. Shobha B S, Manjushree, "An developed Picture Fogginess Method Supported on Dark Transmission Proir" International Journal for Scientific Research and Development April 2018
11. Hemanth S R, Pooja, "Clean Our car System using Laravel Framework", International Journal for Scientific Research and Development, April 2018
12. Hemanth S R, Shalini, "EKM-CI: Effectual key Administration in Dynamic Wireless Sensor Networks" International Research Journal of Engineering and Technology (IRJET) Volume 05, May 2018
13. Dr. Deepu R, Ajay," Hybrid Model for Image Classification and Analysis of Best Enhancement Technique" International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) 2017,2017
14. Murali S. "**Video Forgery Detection Using Motion Extractor by Referring Block Matching Algorithm**", International Journal of Science and Technology Research (IJSTR) Volume-8, Issue 10, Oct 2019
15. Shobha B S, "Automated Traffic Control System Using Traffic Video Analysis", International Journal of Innovative Research in Computer and Communication Engineering, Volume 8, Issue 7, July 2020.
16. Yashaswini A R, "Face Based Authentication For Monetary Transaction Using LBPH And 7th Bit Steganography", International Journal of Innovative Research in Computer and Communication Engineering, Volume 8, Issue 7, July 2020.
17. Sumathi S K, "Multiple Illegal Activities Detection for Enhancing ATM Security", International Journal of Progressive Research in Science and Engineering Volume-1, Issue-5 August-2020.
18. Sindhu A S, "Fire Emergency Command in Indoor and Outdoor Position Using Ibeacon Technology", International Journal of Progressive Research in Science and Engineering

Volume-1, Issue-4, July-2020.

19. Shashidhar S, "Automatic Detection of Human Blood Group with Special Case in Low Resolution Using Image Processing", International Journal of Progressive Research in Science and Engineering Volume-1, Issue-5, August-2020.
20. S Murali, "Video Forgery Detection Using Motion Extractor by Referring Block Matching Algorithm", IJSTR -2019.
21. Honnaraju B, S Murali, "Real-Time Indoor Floor Detection for Mobile Robots using Iterative Approach", IJCERT-2020.
22. Honnaraju B, S Murali, "Reproduction of 3-D Model of Indoor Environment by Moveable Robot with Single 2-D camera for Navigation", International Journal of Computer Engineering in Research Trends- 2020.
23. Honnaraju B, S Murali, "Path Generation and Map Construction for Mobile Robot Navigation", IJRTE-2020.
24. S Murali, "Copy Create Video Forgery Detection Techniques Using Frame Correlation Difference by Referring SVM Classifier", IJCERT-2020.
25. S Murali, "Forensic approach for detecting the region of Copy- Create video forgery by applying frame similarity approach", IJCERT-2020.
26. Deepu R, "A Survey on Depth Estimation for 3D Reconstruction of Images", (SIPN)-2019.
27. Bhavya M R, "Early Stage Prediction of Lung Cancer Using Machine Learning", International Journal of Innovative Research in Computer and Communication Engineering, -IJRCCE-2020.
28. Shruthi N, "Predicting the Accident Injury Severity using Machine Learning", International Journal of Advanced Research in Computer and Communication Engineering Vol. 9, Issue 6, June 2020.
29. Bhavya M R, "Diabetes Prediction using Machine Learning", International Journal of Advanced Research in Computer and Communication Engineering Vol. 9, Issue 6, June 2020.
30. Kavya Priya M L, "Auto Insurance Fraud Detection", International Journal of Advanced Research in Computer and Communication Engineering Vol. 9, Issue 7, June 2020.

31. Sindhu A S, "Intelligent Transportation System for Drivers Using IoT", International Journal of Progressive Research in Science and Engineering Volume-1, Issue-4, July-2020.
32. Hemanth S R, "Detection of Alzheimer's disease using BCI", International Journal of Progressive Research in Science and Engineering Volume-1, Issue-4, July-2020.
33. PrasannaPatil, "Eluding Soot for Better Environment Using Machine Learning", International Journal of Progressive Research in Science and Engineering Volume-1, Issue-5, August-2020.
34. SushmaKoushik N, "Screening Depression in IT Industry Using Machine Learning", International Journal of Progressive Research in Science and Engineering Volume-1, Issue-5, August-2020.
35. Honnaraju B, "Automated Human Following Trolley Using Image and Video Processing", International Journal of Computer Engineering In Research Trends, Volume 7, Issue 7, July 2020 , pp.6-12.
36. KavyaRavishankar, "Multilevel Image Encryption and Decryption Based On Biometric Approach", International Journal of Progressive Research in Science and Engineering Volume-1, Issue-5, August-2020.
37. Santosh E, "Cliff Swallows are good Masons for their Own Plan and Architecture of Nest", International Journal of Engineering Research and Applications. Vol. 10, Issue 6, (Series-VI) June 2020, pp. 58-64.
38. Santosh E, "Spray-Robo: Detection of Infected Plant and Auto-Spraying of Pesticides", International Journal of Advanced Research in Computer and Communication Engineering Vol. 9, Issue 6, June 2020.

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Sl . No	Title of the Paper	Author	Volume	Journal Type	DOI Number
1	Energy Efficient Routing Protocol for Wireless Body Area Networks (EFR-W) using Cost Computation and Controlled Hello Packet Broadcast	Hemanth S R	Vol 10 No. Jan- Feb 2021	International Journal of Computer Science and Engineering (IJCSE) - 2020-21	1021817/indjcse/2021/v1i1/211201152
2	Identification of Fake Vs Original Logos Using Deep Learning	Ranjith K C	Vol. 12, No.12 (2021)	Turkish Journal of Computer and Mathematics Education	
3	Face Mask Detection using OpenCV and Machine Learning	Honnaraju B	Vol. 10, Issue 7, July 2021	International Journal of Advanced Research in Computer and Communication Engineering	DOI 10.17148/IJARCCCE.2021.10785
4	Assistive System for Visionless Earthlings using ML	PrasannaPatil	Vol. 10, Issue 7, July 2021	International Journal of Advanced Research in Computer and Communication Engineering	ISSN (O) 2278-1021, ISSN (P) 2319-5940
5	Educational Career Recommendation System Using Machine Learning	SushmaKoushik N	Vol. 10, Issue 8	International Journal of Advanced Research in Computer and Communication	

				Engineering	
6	Disease Diagnosis Through Blood Analysis Using Image Processing	Shashidhar S	Vol.8, Issue 8, page no.b621-b624, August -2021	Journal of Emerging Technologies and Innovative Research	
7	Vehicle and Licence Authentication Using RFID and Finger Print	Sindhu A S	Vol. 10, Issue 7, July 2021	International Journal of Advanced Research in Computer and Communication Engineering	10.17148/IJARCCCE.2021.10770
8	Traffic Adaptive Deep Learning based Fine Grained Vehicle Categorization in Cluttered Traffic Videos	Dr. Deepu R, Shobha B S	Vol 12. No. 9	International Journal of Advanced Computer Science and Applications (IJACSA)	
9	Intelligent Eye using AI	Ananda Kumar H N	Vol.8, Issue 8, page no.b621-b624, August -2021	Journal of Emerging Technologies and Innovative Research	
10	Site Reliability Engineering for IOS Mobile Application in Small-Medium Scale Industries	Dr. Lokesh M R		Global Transitions Proceeding	10.1016/j.gltip.2021.08.065
11	An Intelligent System for Social Distance Detection Using Deep	KavyaPriya M L	Volume 10, Issue 9, Sep-2021	International Journal of Advanced Research in Computer and Communication	DOI10.17148/IJARCCCE.2021.10906

	Learning Techniques			on Engineering	
12	An Innovative Application to Predict Malnutrition and Anemia Using ML	KavyaPriya ML	Volume 10, Issue 7, July - 2021	International Journal of Advanced Research in Computer and Communication Engineering	DOI10.17148/IJARCCCE.2021.10793
13	Early Stage Detection of Thyroid Using Machine Learning	Dr. Deepu R	Volume 1, Nov 4- Dec- 2020	Worldwide Journal of Research	ISSN Online:2734-231X

FACULTY PAPER PUBLICATIONS IN CONFERENCE (2020-21)

Sl. No	Paper Title	Year	Place
1	Dr. Deepu R, Dr. Shivamurthy R C, "ResNet-50 vs VGG-19 vs Training from scratch: A comparative analysis of the segmentation and classification of Pneumonia from chest x-ray images" 2021 International Conference on Computing System and its Applications ICCSA-2021, 16 th July 2021- Acharya Institute of Technology, Bangalore.	2021	Bangalore
2	Shobha B S, Dr. Deepu R, "Deep Learning Assisted Active Net Segmentation of Vehicles for Smart Traffic Management". International Conference on Computing System and its Applications ICCSA-2021, 16 th July 2021- Acharya Institute of Technology, Bangalore.	2021	Bangalore
3	Dr. Deepu R. "Ensemble Deep Learning to Classify Specific Types of t and i pattern in graphology", International Conference on Computing System and its Applications ICCSA-2021, 16 th July 2021- Acharya Institute of Technology, Bangalore.	2021	Bangalore
4	Dr. Lokesh M R, "Site Reliability Engineering for IOS Mobile Application in Small-Medium Scale Industries" International Conference on Computing System and its Applications ICCSA-2021, 16 th July 2021- Acharya Institute of Technology, Bangalore.	2021	Bangalore
5	Dr. Deepu R, Sushma Koushik H, "Analysing Mental Health Evaluation Techniques from A statistical Perspective ", 3 rd International Conference on Integrated Intelligent Computing, Communication and Security -ICIIC-2021 SJBIT Bangalore	2021	Bangalore

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