




K. S. INSTITUTE OF TECHNOLOGY

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Faculty Name	Dr. B Sudarshan	
Designation	Professor	
Educational Qualification	PhD	
Experience in Years	Teaching: 17 years Industry : 11 years	
Areas of Interest	Image processing, Neural Networks	
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Educational Details

Examination/ Degree	College / University	Year of Passing
UG	Gulbarga University	1991
PG	Mysore University	1995
PhD	Jain University	2017

Publications

Journal Publications:

1. B.Sudarshan, R Manjunatha, "Multi-resolution architecture of graded memory", " IEEE Explorer", 2016, ISBN 978-1-4673-9563-2
2. B. Sudarshan, R Manjunatha, "Analysis of Image Storage and Retrieval in Graded Memory", International Journal of Research in Engineering and Technology, ISSN: 2321-7308, Vol. 4, Issue 4, April 2015, pp. 779-884.
3. B. Sudarshan, R Manjunatha, " Image Storage and Retrieval in Graded Memory", International Journal of Advances in Engineering & Technology, ISSN: 2321-1963, Volume 8 Issue 1, Feb. 2015, pp. 2123-2128.
4. B. Sudarshan, R Manjunatha, "Survey on Static Image Storage and Retrieval Mechanisms", International Journal of Engineering Research and Technology, ISSN:2278-0181, Vol. 4 - Issue 01, Jan. 2015, pp. 173-179.
5. B Sudarshan, Jayashree Kavya V, Sanjana K S, Navitha T, Nishchitha N, "Power theft Detection in Agriculture and Field Protection-A Literature Survey", IJLEMR, ISSN: 2455-4847, Vol. 3, Issue 3, March 2018, pp. 01-11.
6. B Sudarshan, Akshaya R K, Mohan Reddy B, Srinivasa, Ramya L K, "High protection Voice Identification based Bank Locker Security System with Live image Authentication-A Literature Survey", IJCRT, ISSN: 2320-2882, Vol. 6, Issue 2, April 2018, pp. 1147-1159.
7. B Sudarshan, Jayashree Kavya V, Sanjana K S, Navitha T, Nishchitha N, "Power theft detection in agriculture and field protection", IJCRT, ISSN: 2320-2882, Vol. 06, Issue 02, April 2018, pp. 67-72.
8. B Sudarshan, Akshaya R K, Mohan Reddy B, Srinivasa, Ramya L K, "High protection Voice

Identification based Bank Locker Security System with Live image Authentication", IJRASET, ISSN: 2321-9653, Vol. 6, Issue 6, June 2018, pp. 401-406.

9. B Sudarshan, Pavan S Patil, Santhoshkumar V, Udaykumar V, Vishwas K K, "Survey on Object Recognition Techniques using Machine Learning", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 4, page no.247-250, April-2019,
10. B Sudarshan, Sannidhi R Shetty, Shankar Ram, Shreyaswini C K, Shwetha Shree C, "Hand Gesture Recognition and Voice Conversion for Physically Impaired People", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 4, page no.562-565, April-2019
11. B Sudarshan, Pavan S Patil, Santhoshkumar V, Udaykumar V, Vishwas K K, "**Visual Object Recognition using Tensorflow**", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 6, page no.369-372, June-2019,
12. B Sudarshan, Likhitha Y et al, "A survey on Automation of Manually Operated devices", IRJET, ISSN 2395-0056, Vol. 7, Issue 2, Feb. 2020, pp 1298-1300.
13. B Sudarshan, Likhitha Y et al, "Automation of Manually Operated devices", IJRASET, ISSN 2321-9653, Vol. 8, Issue 8, Aug. 2020, pp 411-416
14. B Sudarshan, P Hemanth Chowdary, et al, "Smart Electricity Monitoring or Home Appliances", IRJET, ISSN 2395-0056, Vol. 7, Issue 7, July. 2020, pp 1298-1300.
15. B Sudarshan, Rangaswamy, et al, "Automated and Movable Waste Segregator", IARJSET, Vol. 10,NO.: 4,pp.377-383, [ISSN (O) 2393-8021]. APRIL 2023
16. B Sudarshan, Amulya R, et al, "Tamper Proof Ration Disbursement System For Rural Areas", IARJSET, Vol. 10,NO.: 4, pp.268-280, [ISSN (O) 2393-8021]. APRIL 2023
17. B Sudarshan, Amshumanth K.N, et al, "Smart Gloves for Individuals with Speech Impairment", IARJSET, ,Vol. 10,NO.: 6,pp. 468-472,[ISSN (O) 2393-8021]. JUNE 2023.
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Conference Papers :

1. B.Sudarshan, Manjunatha R, "Multi-resolution architecture of graded memory", International Conference on Emerging Research in Electronics, Computer science and Technology (ICERECT-2015), PES, Mandya, 2015.
2. B Sudarshan, " Novel approach for content organization and retrieval in graded memory", Proceedings of International Conference on VLSI and Signal processing (ICVSP-2012), May 2012, ISBN-81-7286-723-9, pp. 246-248.
3. B Sudarshan, et al., "Short Range Inter-vehicle Communication Sharing information and Vehicle Experience", National conference on recent trends in Electronics and Communication-2016 (NCRTEC-2016), Bangalore, India.
4. B Sudarshan et al., "Smart Gadget for Two Wheelers", NCRTAEEE-2017, Bangalore, India.
5. B Sudarshan et al., "Design of Efficient Filter System for Accurate Extraction and Labelling of a Fetal ECG", NCRTAEEE-2017, Bangalore, India.
6. B Sudarshan, Amulya R, et al, "Generation of power using piezoelectric sensors and building a smart shoe for human", National Conference on Recent Innovations in Engineering-2022 ISBN-978-81-929425-0-6
7. B Sudarshan, Sahana S, et al, "dual axis solar traker using aurdino", National Conference on Recent Innovations in Engineering-2022 ISBN-978-81-929425-0-6
8. B Sudarshan, Hemantha V, et al, "Live Human Detection Robot", National Conference on Recent Innovations in Engineering-2022 ISBN-978-81-929425-0-6

Awards

NA

Professional Membership

1. IEEE- 92858412

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