

**Dr. M.B.Sudhan, M.Tech., Ph.D.**

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**Dr. M.B.Sudhan** is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. He holds a Ph. D degree in the field of Digital Image Processing from Noorul Islam University since 2018. He has 14 years of teaching experience with good programming skills. He is a lifetime member of ISTE and also certified in various courses from Coursera and NPTEL. He has published books in Image Processing and Artificial Intelligence. He has filed many patents under his name. He has published articles in National and International Journals, Conferences and Symposiums.

**Area of Research:**

Image Processing, Artificial Intelligence

**Selected Publications:**

1. M.B. Sudhan, M. Sinthuja, S. Pravinth Raja, J. Amutharaj, G. Charlyn Pushpa Latha, S. Sheeba Rachel, T. Anitha, T. Rajendran and Yosef Asrat Waji, “Segmentation and Classification of Glaucoma Using U-Net with Deep Learning Model”, *Journal of Healthcare Engineering*, Volume 2022, Article ID I601354, February 16, 2022. (Annexure 1)
2. Sudhan.M.B, Anitha.T, Aruna.M, Charlyn Pushpalatha, Vijay.A, Laxmi.R, Rajendran.T, “Weather Forecasting and Prediction using Hybrid C5.0 Machine Learning Algorithm”, *International Journal of Communication Systems*,34(1),10.1002/dac.4805, April 2021 (Annexure 1).
3. Sudhan, Abilash.K.S, Shijin Kumar.P.S “An Optimized Multiplexing System for Remote Sensing Optical Signals”, IEEE International Conference on Recent Advances in Energy Efficient Computing and Communication – 2019, Date of Conference: 7-8 March 2019, INSPEC Accession Number: 19425022, Date added to IEEE Xplore: 13 February 2020, DOI: 10.1109/ICRAECC43874.2019.8995037.
4. Sudhan.M.B, Uganya. G,Shijin Kumar.P.S, “License Plate Recognition with Feature Saliency and Neural Network”, *International Journal of Innovative Technology and Exploring Engineering*, Volume-8, Issue-10, ISSN:2278-3075, August 2019.
5. Sudhan.M.B , Shijin Kumar.P.S, Srinivas Bachu., “Face Detection and Skin Tone Recognition Based on Optimal Sparse Coding”, *Proceedings of International Multi Conference on Computing, Communication, Electrical & Nanotechnology (I2CN-2K19) held on 25<sup>th</sup> & 26<sup>th</sup> April,2019.*

6. Sudhan.M.B , Dharun.V.S., Swarna Priya.R.M, “Stout Unidirectional Face Recognition System in hands of DRBF Methodology”, *International Journal of Pure and Applied Mathematics* , Volume 118, No:5, 751-755, 2018, ISSN:1311-8080
7. Shijin Kumar.P.S and Sudhan.M.B, “A Hybrid framework for Brain Tumor Detection and classification using Neural Network”, *Asian Research Publishing Network Journal of Engineering and Applied Sciences*, Volume 13, No.24, December 2018, 9631-9636, ISSN 1819-6608.
8. Sudhan.M.B and Dharun.V.S., “Discriminative Learning Based Algorithm for Blur and Illumination Robust Face Recognition”, *International Journal of Control Theory and Applications*, 315-323, 2016, ISSN 0974-5572.
9. Sudhan.M.B and Dharun.V.S., “Blurred Face Recognition using Low Dimensional Linear Model”, *Institute of Integrative Omics and Applied Biotechnology Journal*, Volume 7 | 9 | ,562-567, 2nd December 2016, ISSN 0976-3104.
10. Sudhan.M.B and Dharun.V.S., “Robust Face Recognition and Illumination Method using Low Dimensional Linear Model”, *Asian Research Publishing Network Journal of Engineering and Applied Sciences*, Volume 12, No.7, April 2017, 2254-2258, ISSN 1819-6608.
11. Sudhan.M.B and Dharun.V.S., “Face Recognition Techniques and Algorithms – A Review”, *International Journal of Applied Engineering Research*, Volume 10, No.59 (2015) ,474-479, ISSN 0973-4562.

#### **Patents:**

1. An Image Analysis device using Deep Learning Data modelling and method thereof. 202141038588A, 36/2021, Office Journal of the Patent Office. Publication Date: September 03, 2021.
2. Secured Data Transmission using improved Crypto coding using VLSI Architecture. 202131034322A, Publication Date: August 20, 2021.

#### **Professional Bodies:**

1. Lifetime Member of Indian Society for Technical Education (MISTE)
2. Lifetime Member of International Association of Engineers (IAENG)

#### **Google Scholar:**

[SUDHAN M B - Google Scholar](#)

#### **LinkedIn:**

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