**Dr.M.Vidhyalakshmi M.E., Ph.D.,**

**Assistant Professor,**

**Dept of ECE,**

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Dr. M. Vidhyalakshmi Working as an Assistant Professor in the Department of ECE at SRMIST, Ramapuram. She Graduated in ECE at Madurai Kamaraj University, Tamilnadu, India. She secured a Master of Engineering in Computer & Communication Engineering at Anna University, Chennai. She completed her Ph.D. in the field of Computer Vision and artificial intelligence at Anna University, Chennai, India. She has been in the teaching profession for more than 12 years. She has presented a number of papers in National and International Journals, Conference and Symposiums.

**Areas of Research:**

Computer vision, Artificial Intelligence, IOT, Quantum Image Processing and Quantum Machine learning

**Selected Publications:**

## Scopus Indexed Journals

1.      R. Pitchai, Bhasker Dappuri, P. V. Pramila, M. Vidhyalakshmi, S. Shanthi, Wadi B. Alonazi, Khalid M. A. Almutairi, R. S. Sundaram, Ibsa Beyene, "An Artificial Intelligence-Based Bio-Medical Stroke Prediction and Analytical System Using a Machine Learning Approach", Computational Intelligence and Neuroscience, vol. 2022, Article ID 5489084, 9 pages, 2022. https://doi.org/10.1155/2022/5489084

2.      Nirmaladevi J, Vidhyalakshmi M, Edwin EB, Venkateswaran N, Avasthi V, Alarfaj AA, Hirad AH, Rajendran RK, Hailu T. Deep Convolutional Neural Network Mechanism Assessment of

COVID-19 Severity. Biomed Res Int. 2022 Aug 23;2022:1289221. doi: 10.1155/2022/1289221. PMID: 36051480; PMCID: PMC9427302.

3. Pattern Matching Model for Recognition of Stone Inscription Characters ,K Durga Devi, P Uma Maheswari, Phani Kumar Polasi, R Preetha, M Vidhyalakshmi The Computer Journal, Volume 66, Issue 3, March 2023, Pages 554–564, https://doi.org/10.1093/comjnl/bxab177

4. Text detection in natural images with hybrid stroke feature transform and high performance deep Convnet computing M Vidhyalakshmi S Sudha April 2019 Concurrency and Computation Practice and Experience DOI: 10.1002/cpe.5271

## PROJECT FUNDING

## PATENTS

- Patent granted on Diabetics management system(357829-001)
- Patent granted on Artificial Intelligence Horoscope Device(377726-001)
- Patent granted on Machine Learning Based Oxygen Filter For Oxygen Tents( 375531-001)
- Patent Published (202141051367) on "A Smart System To Stabilize Tremor Conditions With Connected Wearable Wrist Band And Finger Caps"
- Patent Published (202141028535) on "An Intelligent Embedded Auxiliary System For Reading, Recognizing And Navigation Assistance"
- Patent Published (202141025435) on "Self-Monitoring Artificial Intelligent System for Aqua Farm Maintenance and Animal Feeding"
- Patent Published (202141021999) on, "An Intelligent Interactive Display system and method for Fitness Training".
- Patent Published (202141019796) on, "A smart Chair with AI and IOT for dynamic Posture correction".
- Patent Published (202141019005) on "An Intelligent Driver assistance system for overtaking and Blind spot Detection".
- Patent Published (202141019005) on "Intelligent Reusable Mask with Integrated communication setup and Social distancing Alert".
- Patent Published(202141009256) on," Systems and Methods for Detecting Patterns with Quantum Algorithms"
- Patent Published(202141001752) on, "An Auto sanitizing Push button switch for Practical Applications"
- Patent Published(202141001745) on, "An Intelligent Fast Compost Generator Bin With Automatic Segregation Of Kitchen Waste"
- Patent Published (202041054396) on, "An Intelligent On board weather prediction

Device for marine navigation in Deep Sea".
- Patent Published(202041053637) on, "Quantum Intelligent Pen to translate and transfer motion trajectory to text and speech"

AWARDS

· Received "Honorable CM award" in E-Governance from Tamilnadu Government for the project "Computerized Monitoring system for Fair Price shops and godowns"

· Received' Best Achievers' Award for Innovation in the field of Artificial Intelligence for the year 2021 from MBR Committee

· Received 'Inspiring Women Professor award' for the year 2021 from CAPE Forum

Member –IAENG, IETE

**Google Scholar:**

https://scholar.google.com/citations?user=HpM5PgUAAAAJ&hl=en

**Scopus:**

https://www.scopus.com/authid/detail.uri?authorId=57215200264

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