

**Mr.Prabu.M, M.E.,**

**Assistant Professor(Sr.G),**

**Department of CSE, CET, SRMIST,**

**Ramapuram Campus, Chennai.**

**Mail id: manavalanprabu@gmail.com**

Cell: +919952788494



**M.PRABU** completed Bachelor of Engineering (B.E) and Master of Engineering (M.E) in Computer Science and Engineering from Anna University, Chennai in the year 2005 and 2015 respectively. He is the research scholar in the Department of CSE and has more than 15 years of teaching experience. He has published more than 20 papers in National / International Journals and presented more than 15 papers in International / National Conferences.

He has reviewed various text books, journals and submitted funded project proposals in various funding agencies like TNSCST and STRIDE. He has registered two patents on IOT and Machine Learning applications. He was awarded “NPTEL Discipline Star Award”. Research interests are Image Processing, Machine Learning, Deep Learning and IOT.

#### **JOURNAL PUBLICATION:**

- Publication of paper entitled “An intelligent approach using boosted support vector machine based arithmetic optimization algorithm for accurate detection of plant leaf disease” in SCI Indexed Journal of Pattern Analysis and Applications, Springer 2023
- Publication of paper entitled “Mango leaf disease identification and classification using a CNN architecture optimized by crossover-based levy flight distribution algorithm” in SCI Indexed Journal of Neural Computing and Applications, Springer 2022.
- Publication of paper entitled “A Survey: Benefits of Mango Leaves and Techniques Used For Evaluation of Diseases Affecting Mango Leave” in WOS Journal of Information Technology in Industry,2021.
- Publication of paper entitled “IoT Based E-Health Care System for Telemedicine” in Journal of Computational and Theoretical Nanoscience vol- 17 issue –4 2020.
- Publication of paper entitled “Enhancing Customer Service Using Chatbot Application Through Artificial Intelligence” in Journal of Computational and Theoretical Nanoscience vol- 17 issue –4 2020.

- Publication of paper entitled “Automatic waste segregation system using convolutional neural networks” in Journal of Critical Reviews vol- 7 issue –16 2020.
- Publication of paper entitled “Stairway electricity using PIEZO electric generator” in Journal of Critical Reviews vol- 7 issue –16 2020.
- Publication of paper entitled “Enhancing Security and Safety for Vehicles Using Arduino” in IJAST vol-29 issue –3 2020.
- Publication of paper entitled “GSM controlled security automation and BURGLAR TRAP M” in IJAST vol-29 issue –5 2020.
- Publication of paper entitled “Speech Emotion Recognition and Features Extraction Based on NN Classifier” in IJAST vol-29 issue –5 2020.
- Publication of paper entitled “Image Classification Using Convolution Recurrent Neural Network Algorithm” in Jour of Adv Research in Dynamical & Control Systems vol-11 issue –3 2019.
- Publication of paper entitled “Prevention of Transmission Collision in Distributed Mobile Networks” in Jour of Adv Research in Dynamical & Control Systems vol-11 issue –3 2019
- Publication of paper entitled “Communication Sentiment Analyzer using Machine Learning with Naive Bayes Bernoullinb” in IJEAT vol-9 issue –1 2019
- Publication of paper entitled” Automated Traffic Sign Recognition System using Computer Vision” in IJITEE vol-9 issue –1 2019
- Publication of paper entitled” Evolving Artificial Perception by Integrating Nlp and Cv” in IJRTE vol-8 issue –4 2019
- Publication of paper entitled” Utilization of Asynchronous Stochastic Gradient Descent with Additively Homomorphic Encryption” in IJITEE vol-8 issue –6S 2019
- Publication of paper entitled” Efficient Data Mining Methodology for Sports” in IJITEE vol-8 issue –6S 2019
- Publication of paper entitled “Face recognition from invariant illumination based on textural analysis and machine learning approach” in IJNTR Journal vol- 4 issue –III March 2018.
- Publication of paper entitled “Smart street light system using microcontroller” in IJSIET Journal vol- 3 May 2018.
- Published paper titled “secure and efficient data contribution using extended identity based encryption in cloud computing” in IJMSR Vol-9 Issue -9 2017.
- "Tamil to English cross lingual information retrieval system for agricultural domain using SVM"International journal of innovation in engineering and technology (IJIET),VOL 7,ISSUE 4,2016.

## **INTERNATIONAL CONFERENCE:**

- Presented a paper entitled “Improved efficient model finetuning feature analysis for text classification using machine learning” in ICSIE’2023 organized by Jawahar Engineering, Chennai held on 14th May 2023.
- Presented a paper entitled “Improved efficient model finetuning feature analysis for text classification using machine learning” in ICSIE’2023 organized by Jawahar Engineering, Chennai held on 14th May 2023.
- Publication of paper entitled “A Neural Network Architecture for Spatiotemporal PM2.5 Forecasting” in IEEE Xplore, 2022.
- Presented a paper entitled “Improved Eagle optimization with deep RCNN to predict plant disease and improve performance” in ICRISSET’2022 organized by Jeppiaar institute of science and Tech, Chennai during 13th & 14th May 2022.
- Presented a paper entitled “Develop hybrid Wolf Optimization with Faster RCNN to enhance plant disease detection performance” in ICCIDE’2022 organized by VIT University, Amaravathi AP during 12th & 13th August 2022.
- Presented a paper entitled “A naïve & unified framework for Communication Channel Assessment based on Deep Neural Network” in ICRISSET’2021 organized by Jeppiaar institute of science and Tech, Chennai during 30th & 31st July 2021.
- Presented a paper entitled “A Unified High-Performance Recommendation framework for Netflix” in ICNCN’2021 organized by Easwari Engineering College, Chennai during 9th & 10th April 2021.
- Presented a paper entitled “Detection, prevention and reporting of accidents for a powered two-wheller safety system using IOT in ICRISSET’2020 organized by Jeppiaar institute of science and Tech, Chennai during 24th & 25th July 2020.
- Presented paper entitled “Detection of mango leaf multiple disease using deep learning approach” in Dr.Paarivendhar Research Colloquium organized by Directorate of Research, SRMIST, Kattankulathur during 23rd to 25th September 2019.
- Published a paper entitled “Social data prediction using sentimental analysis in ICNJET’2018 organized by GRT institute of science and Tech, Tiruttani, Chennai during 7th & 8th Sep 2018.
- Presented paper on “Traffic congestion control using V2V and V2I communication using WSN in (RCDDS ‘2018) Organized by department of Cse held at SRMIST, Vadapalani, Chennai during 4th & 5th may 2018.
- Presented paper Entitled "A review on utilization of memory management mechanism of cloud computing” in ICACSIT held on SEP 2017.

- Presented paper titled "secure and efficient data contribution using extended identity based encryption in cloud computing" in ICICET Organized by Kings Engineering College held on 8th April 2017.
- Presented paper on “Distributed based data access from cloud storage using attribute based signature controlled authentication”, in ICAREAS'2015 in S.R.I.College of Engg and Tech, Vandavasi.
- Presented paper on "Optimizing compression and storage of JPEG images",in st.peters university.

#### **BOOK CHAPTER:**

Publication of paper entitled “Develop Hybrid Wolf Optimization with Faster RCNN to Enhance Plant Disease Detection Performance Analysis” [Lecture Notes on Data Engineering and Communications Technologies d](#), 2023, 163, pp. 243–253, 2023, 163, pp. 243–253 in IJAST vol-29 issue –5 2020.

#### **PATENTS:**

- “Bluetooth based Communication Control Device for Electromechanical Appliances” Design patent No. 377408-001, 16/03/2023
- “IoT, AI, ML Based Paddy-Disease Prevention System Using (DNN) Deep-Neural networks And Image- Processing”, Patent Journal, 04/03/2022.

#### **NPTEL ONLINE CERTIFICATION:**

- Awarded for successfully completed the online course “Big Data Computing”
- Awarded for successfully completed the online course “Cloud & Distributed Computing”
- Awarded for successfully completed the online course “Software Testing”
- Awarded for successfully completed the online course “Introduction to IOT”
- Awarded for successfully completed the online course “Introduction to Cloud Computing”
- Awarded for successfully completed the online course “Object oriented analysis and design”

#### **SCOPUS LINK**

[HTTPS://WWW.SCOPUS.COM/AUTHID/DETAIL.URI?AUTHORID=36060035600](https://www.scopus.com/authid/detail.uri?authorid=36060035600)

#### **GOOGLE SCHOLAR LINK**

<https://scholar.google.com/citations?user=FNlv4DIAAAAJ&hl=en&authuser=1>