




# Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**  
Approved by **AICTE**  
Accredited by **NAAC** with **A+** Grade  
6 Programs Accredited by **NBA**  
(CSE, ISE, ECE, EEE, MECH, CV)

<b>Faculty Name</b>	Dr. P. Mano Paul	
<b>Academic Designation</b>	Professor & HoD, Dept of CSE - Artificial Intelligence	
<b>Educational Qualification</b>	B.E., M.E., Ph.D.,	
<b>Experience in Teaching &amp; Industry</b>	21 years	
<b>Date of Joining</b>	16 – 06 – 2025	
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## Educational Details

Ph.D – Information and Communication Engineering, Anna University, Guindy Campus, Chennai  
M. E – Computer Science and Engineering, University Department, Manonmanium Sundaranar University, Tirunelveli, Tamil Nadu  
B. E – Information Technology, Noorul Islam College of Engineering, Manonmanium Sundaranar University, Tirunelveli, Tamil Nadu

## Professional Experience

Associate Professor & Director, Centre of Excellence in iOS App Development, Department of IT, School of Advanced Computing, Alliance University from August 2019 to till date, Anekal, Bengaluru  
Assistant Professor in the Department of CSE, School of Engineering, Presidency University from July 2018 to July 2019, Bengaluru  
Research Associate in Francis Xavier Engineering College from July 2017 to June 2018, Tirunelveli  
Assistant Professor in the Department of Computer Science and Engineering, Loyola Institute of Technology & Science, from July 2010 to June 2017, Thovalai, Nagercoil.  
Lecturer in the Department of CSE, St. Joseph's College of Engineering, Anna University Affiliated College, from June 2007 to April 2010, Chennai  
Lecturer in the Department of Information Technology, Saveetha Engineering College, Anna University, from January 2003 to May 2007, Thandalam, Chennai  
Lecturer in the department of IT, Arignar Anna Inst. of Science and Technology, Anna University, July 2002 to January 2003, Irungattukottai, Chennai

## Publications

International Journals

1. Vaddadi Vasudha Rani, G. Vasavi b, P. Mano Paul, K. Sandhya Rani, "IoT based healthcare system using fractional dung beetle optimization enabled deep learning for breast cancer classification Author links open overlay panel", *Computational Biology and Chemistry*, Volume 114, 108277, February 2025, <https://doi.org/10.1016/j.compbiolchem.2024.108277>
2. Sajeev Ram Arumugam, P. Mano Paul, Berin Jeba Jingle I, Ananth J.P, "Hybrid deep architecture for intrusion detection in cyber-physical system: An optimization-based approach", *International Journal of Adaptive Control and Signal Processing*, Volume 38, Issue 9, Pages 3016 - 3039, DOI - 10.1002/acs.3855, September 2024
3. Chitrakara Hegde, R Shekhar, P Mano Paul, Chandni Pathak, "A review on forensic analysis of bio fluids (blood, semen, vaginal fluid, menstrual blood, urine, saliva): Spectroscopic and non-spectroscopic technique", *Forensic Science International*, 112343, PMID: 39708707, DOI: 10.1016/j.forsciint.2024.112343, January 2025
4. Sriramakrishnan GV, P. Mano Paul, Hemachandra Gudimindla, Venubabu Rachapudi, "Fractional whale driving training-based optimization enabled transfer learning for detecting autism spectrum disorder", *Computational Biology and chemistry*, volume - 113, <https://doi.org/10.1016/j.compbiolchem.2024.108200>, Elsevier, 2024
5. Rani T P, Vemireddi Srinadh, Mano Paul P, Ananth J.P, "CH selection and compressive sensing-based data aggregation in WSN using hybrid Golden circle-inspired optimization", *International Journal of Communication systems*, <https://doi.org/10.1002/dac.5574>, Volume No.36 Issue No.15 Page No. , ISSN: 1099-1131, Wiley Publications, September 2023
6. P. Ramkumar, P. Mano Paul, Balajee Maram, J. P. Ananth, "Deep maxout network for lung cancer detection using optimization algorithm in smart Internet of Things", <https://doi.org/10.1002/cpe.7264>, *Concurrency and Computation Practice and Experience*, Wiley online Library, Volume 34, Issue 21, ISSN 1532-0626, IF – 1.831, September 2022
7. Ram kumar M. P, T. Daniya, P. Mano Paul, S. Raja kumar, "Intrusion detection using optimized ensemble classification in fog computing paradigm", *Knowledge-Based Systems*, Elsevier, <https://doi.org/10.1016/j.knosys.2022.109364>, ISSN: 0950-7051, IF – 8.138, SCIE, July 2022
8. J. Daniel Francis Selvaraj, P. Mano Paul and I. Diana Jeba Jingle, "Automatic Wireless Water Management System for Smart Vineyard Irrigation using IoT Technology", *International Journal of Oceans and Oceanography*, ISSN 0973-2667, Volume 13, Number 1(2019), pp. 211-218 (Web of Science indexed), Research India Publication, June 2019
9. Chetan J. Shelke; Disha Sushant Wankhede; P. Mano Paul; Virendra Kumar Shrivastava; Rathnakar Achary, "Enhanced prediction of glioma brain tumors using deep learning algorithm", *AIP Conf. Proc.* 3217, 020022 (2024), <https://doi.org/10.1063/5.0234295>
10. Virendra Kumar Shrivastava; Chetan J. Shelke; Rathnakar Achary; Mano Paul Pauliah David; Abdel-Hamid Soliman; Ajay Kumar, "Optimised convolutional neural network model for multiclass acute lymphoblastic leukemia classification in in peripheral blood smear images", *AIP Conf. Proc.* 3217, 020027 (2024), <https://doi.org/10.1063/5.0234340>
11. Diana Jeba Jingle, Shylu Sam, P. Mano Paul, Ananth Jude, and Daniel Francis Selvaraj, "Design of Grover's Algorithm over 2, 3 and 4-Qubit Systems in Quantum Programming Studio", *Intl Journal of Electronics and Telecommunications*, 2022, VOL. 68, NO. 1, PP. 77-82, DOI:10.24425/ijet.2022.139851, <http://ijet.pl/index.php/ijet/article/view/10.24425-ijet.2022.139851/930>, ISSN: 2300-1933, February, 2022
12. D. S. Shylu Sam, P. Sam Paul, Diana Jeba Jingle, P. Mano Paul, Judith Samuel, J. Reshma, P. Sarah Sudeepa, G. Evangeline, "Design of Low-power 4-bit Flash ADC Using Multiplexer Based Encoder in 90nm CMOS Process", *Intl Journal Of Electronics And Telecommunications*,

VOL. 68, NO. 3, PP. 565-570, DOI: 10.24425/ijet.2022.141275, ISSN: 0867-6747, August, 2022.

13. Ajay Vasanth, P. Sam Paul, D. S. Shylu, P. Mano Paul, "IoT based prognostics using MEMS sensor with single board computers for rotary machines", *Przeglad elektrotechniczny*, Issn 0033-2097, (Scopus Indexed), volume:97, Issue:11, pp:170-174, doi:10.15199/48.2021.11.31, December 2021.
14. P. Mano Paul and I. Diana Jeba Jingle, "A Privatized Approach In Enhanced Spam Filtering Techniques Using TSAS Over Cloud Networks", *International Journal of Intelligent Enterprise*, Inderscience Publishers, Vol. 9, No. 3, PP: 332 – 343, (Scopus indexed), ISSN: 1745-3232, DOI: 10.1504/IJIE.2020.10030567, April 2022
15. Diana Jeba Jingle and P. Mano Paul, "A Collaborative Defense Protocol against Collaborative Attacks in Wireless Mesh Networks", *International Journal of Enterprise Network Management*, Inderscience Publishers, Volume 12, No. 3, PP:199-220 (Scopus indexed), ISSN: 1748-1260, DOI: 10.1504/IJENM.2021.10030549, September 2021
16. Shylu Sam, Sam Paul, Diana Jeba Jingle, Mano Paul, Anuradha, Juliet Sheba Rani, "Design techniques in carry select adder using parallel prefix adder for improved switching energy", *Przeglad Elektrotechniczny Journal*, Wydawnictwo Sigma publishers, (Scopus Indexed), ISSN:0033-2097, April 2021
17. J. Daniel Francis Selvaraj, I. Diana Jeba Jingle, P. Mano Paul, "EShield: An effective Detection and Mitigation of flooding in DDoS Attacks over large scale networks", *International Journal of Engineering and Advanced Technology (IJEAT)*, (Scopus Indexed), ISSN: 2249-8958, Volume-8 Issue-5, June 2019
18. P. Mano Paul and R. Ravi, "Cooperative Vector Based Reactive System For Protecting Email Against Spammers in Wireless Networks", *Journal of Electrical Engineering, Annexure I*, Edition 4, Volume 18, ISSN: 1582-4594, University politechnica, Timisoara, Romania, faculty of Electrical and Power Engineering, December 2018.
19. P. Mano Paul and R. Ravi, "A Collaborative Reputation-based Vector Space Model for Email Spam Filtering", *Journal of Computational and Theoretical Nanoscience*, Vol. 15, No.2, Pages 474-479,doi.org/10.1166/jctn.2018.7128, American Scientific Publishers(Scopus Indexed),February 2018
20. Mano Paul P and Diana Jeba Jingle I, "A novel Optimal Email Feature Selection Protocol (OEFS) for Detecting Spam Emails", *International Journal of Computer Science and Engineering*, UGC Approved Journal, DOI: <https://doi.org/10.26438/ijcse/v7si16.3439>, Vol.07 , Special Issue.16 , pp.34-39, May-2019.
21. P. Mano Paul, Dr. R. Ravi, "A novel Email Spam Detection protocol for next generation networks" *Taga Journal of Graphic Technology*, Technical Association of the Graphic Arts, Annexure I, Vol.14, Swansea Printing Technology Ltd, Pages 124-133,February2018.
22. Diana Jeba Jingle, Elijah Blessing, P. Mano Paul, "Distributed Detection of DoS Using Clock Values in Wireless Broadband Networks", *International Journal of Engineering and Advanced Technology (IJEAT)*, ISSN: 2249 – 8958, Volume-1, Issue-5, June 2012

### **International Conferences:**

1. P. Mano Paul, I. Berin Jeba Jingle & I. Diana Jeba Jingle, "Enhancing Visual Passwords Using a Grid-Based Graphical Password Authentication to Mitigate Shoulder Surfing", Fourth Congress on Intelligent Systems (CIS 2023), Lecture Notes in Networks and Systems (LNNS, volume 869) Book Series, [https://link.springer.com/chapter/10.1007/978-981-99-9040-5\\_33](https://link.springer.com/chapter/10.1007/978-981-99-9040-5_33), pp 447–455, March 2024
2. P. Mano Paul, Aby K. Thomas, Syed Alay Hashim, K. Sri Harsha, M. Mahesh, Goutham & Prince, "Automatic Screw Jack Mobile Controller for Car Lifting Using the Car Battery", Advances in Microelectronics, Embedded Systems and IoT, ICMEET, Advances in Microelectronics, Embedded Systems and IoT, NIT Mizoram, pp 309–320, Lecture Notes in Electrical Engineering, LNEE, volume 1156, [https://link.springer.com/chapter/10.1007/978-981-97-0767-6\\_26](https://link.springer.com/chapter/10.1007/978-981-97-0767-6_26), May 2023
3. P. Mano Paul, Shekhar R, I. Diana Jeba Jingle, I. Berin Jeba Jingle, "Prevention and Mitigation of Intrusion Using an Efficient Ensemble Classification in Fog Computing", 5th International Conference on Computer and Communication Technologies, IC3T Warangal, Lecture Notes in Networks and Systems, Volume 898, Pages 173 - 181, Conference Paper, ISSN: 23673370, ISBN: 978-981999706-0, DOI: 10.1007/978-981-99-9707-7\_16, March 2024
4. Rathnakar Achary, Chetan J. Shelke, Virendra Kumar Shrivastava, P. Mano Paul, Shanti Konda & Muralidhar Billa, "Depression Detection Based on NLP and ML Techniques Using Text and Speech Recognition", ICTSM 2023: International Conference on Trends in Sustainable Computing and Machine Intelligence, Algorithms for Intelligent Systems (AIS), pp 357–372, [https://link.springer.com/chapter/10.1007/978-981-99-9436-6\\_25](https://link.springer.com/chapter/10.1007/978-981-99-9436-6_25), March 2024
5. Sahil Raj, P. Mano Paul, Chitrakara Hegde, "A Sustainable social media Smart Model for the Deployment of Learning Skills in Universities", International Conference on Artificial Intelligence and Applications (ICAIA), Alliance University, IEEE Explore, DOI: 10.1109/ICAIA57370.2023.10169247, June 2023
6. Daniel Francis Selvaraj, Balakrishnan S, Mano Paul P, "Coronavirus disease (covid-19) outbreak in india", International Journals of Pharmaceutical Research, IJPR UGC approved Journal, Advanced Scientific Research, (Scopus Indexed), ISSN - 0975-2366, <https://doi.org/10.31838/ijpr/2021.13.01.086>, 2021
7. Chetan S. Shelke, P. Mano Paul, "A Tabulation method for Character Recognition using Haar wavelet in 2D images", International Journal for Research in Engineering Application & Management (IJREAM), UGC Approved, ISSN : 2454-9150, doi:10.35291/2454-9150.2020.0011, Vol-05, Issue-10, Page No. 54 – 64, Jan 2020
8. PatricEzhil Raj, P. Mano Paul, "Secure Information Brokering System with privacy preserving Capabilities", International Journal of Engineering Research and Technology, Vol.3, Iss.2, Feb-2014. (Google Scholar)

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#### Book Chapters (Scopus)

1. Shekhar R, P. Mano Paul, Diana Jeba Jingle, "AI applications at the scheduling and resource allocation schemes in web medium", Book Chapter in "Towards Wireless Heterogeneity in 6G Networks" Taylor and Francis, CRC Press publisher, Pages 107 - 126, ISBN 978-100385999-4, 978-103243830-6, DOI 10.1201/9781003369028-6, 2024

2. Mano Paul P, Shekhar R, Varun Kumar NR, Grandhi Rohith, Harshan P, “A Hybrid Feature Synthesis model with an Enhance Agricultural Crop Yield Prediction using Deep Learning”, World Record Attempt, Guinness World Record, World Thickest book Publication, June 2023
3. Diana Jeba Jingle, P. Mano Paul, “A Fog-Based Retrieval of Real-Time Data for Health Applications”, Recent Trends in Signal and Image Processing, Springer Publications(Scopus Indexed), ISBN 978-981-33-6966-5\_16, Singapore, Volume 1, PP- 155-160, May 2021
4. Chetan S. Shelke, Diana Jeba Jingle, P. Mano Paul, “Achieving Reliability of quantum state in cloud and Infrastructure”, Cloud Reliability Engineering Technologies and Tools, CRC Press, Taylor and Francis Group, Chapter 5, ISBN 9780367713737, Scopus Indexed, April 2021

## **National Conferences:**

1. Mano Paul P and Diana Jeba Jingle I, “A novel Optimal Email Feature Selection Protocol (OEFS) for Detecting Spam Emails”, National Conference on Cognitive Computing, ISBN: 978-93-5361-046-3, Presidency University, 26th and 27th April 2019.
2. P. Mano Paul, Dr. R. Ravi, “An Enhanced Approach for Privatized Spam Filtering Techniques in Cloud Networks”, National Conf. on Emerging Trends in Applications of Computing, FX Engineering College, 1st Mar 2014
3. P. Mano Paul, Dr. R. S. Rajesh, “A Comparative Analysis of wavelet-based Image Compression”, An UGC Sponsored National Conference on Computer Science and Informatics held in St. Joseph’s College at Trichy on 18th – 19th February 2005
4. P. Mano Paul, Dr. R. S. Rajesh, “Image Compression using Daubechies Wavelet”, An UGC Sponsored National Conference on Biometrics held in Erode Arts College at Erode on 28th – 29th January 2005

## **Conference Attended**

NA

## **Awards**

**Best Paper Award**, for the Research Article entitled, “A novel Optimal Email Feature Selection Protocol (OEFS) for Detecting Spam Emails”, National Conference on Cognitive Computing, ISBN: 978-93-5361-046-3, Presidency University, 26th and 27th April 2019.

## **Academic Activity**

- Organized “Go Programming Language Workshop”, Resource Person – Mr. Sangam Biradhar, Deepfence Inc, USA, B.Tech students, Alliance College of Engineering, 27<sup>th</sup> May 2023, Alliance University
- Organized “Workshop on JMP Statistical Package Software”, Resource Person – Dr. Muralidhara, Jmp statistical Package Team Lead, B.Tech Students, Alliance College of Engineering and Design, 24<sup>th</sup> May 2023, Alliance University
- Organized course on full stack master class from 27 Feb to 28th March 2023, PanTech Solutions Pvt Ltd
- Organized “Blind Coding Contest”, an event for All First-year B-Tech students to improve their skills in programming and in keying to improve skills technically, Department of CSE-IT, ACED, Alliance University, 11<sup>th</sup> Jan 2023
- Organized a Hackathon Event, “Ideathon22@Alliance”, Department of CSE – IT, ACED, Alliance University, for the entire Alliance University Students of different schools
- Organized “Quantum Brain – AI Quiz”, Department of CSE – IT, ACED, Alliance University, Anekal Bangalore, on 23rd September 2023
- Organized "Quantum Computing Awareness Quiz" Organized by QUBIT Research Team, Department of Computer Science and Engineering - Information Technology, Alliance College of Engineering and Design, Alliance University, Anekal, Bengaluru held on 23rd February 2022.
- Organized “Poster Design Contest” through QUBIT Research Team on 16-03-2022
- Organized a workshop on “AWS EC2 & S3 services”, Department of Computer Science and Engineering, ACED, Alliance University on 13th January 2022 at 2pm to 4pm

### Faculty Development Activity/Workshops

NA

### Contact Details

Name	: P. Mano Paul
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Age & Date of Birth	: 44, 01-08-1980.
Gender	: Male
Marital Status	: Married
Nationality	: Indian