|  |  |
| --- | --- |
| Name : **Dr.PRAKASH D** Prakash.ai@sairam.edu.in  SCT25AI13 |  |
| Designation: | Associate Professor (Artificial Intelligence & Data Science) |
| Area of Specialization: | Deep Learning, Machine Learning. |
| Experience | Teaching : 17 years. Research : NilIndustrial Experience: 02 Years |
| No of Workshop/ FDP attended: | No of Workshop | No of FDP |
| 30 | 12 |
| Publications: | Conference | Journal |
| National2 | International3 | National | International30 |
| Patents | National | International |
| 02 | Nil |
| Professional body membership | ISTE, IAENG |
| Awards and Achievements | NIL |
| Publications1. Journal
 | 1. V Arulkumar, M Aruna, D Prakash, M Amanullah, K Somasundaram, Rajendran Thavasimuthu., “A novel cloud-assisted framework for consumer internet of things based on lanner swarm optimization algorithm in smart healthcare systems”. *Multimedia Tools and Applications*, 1-25. Springer. (2024). |
| 2. D. Prakash,  “Object Detection with Voice Feedback for Blind People Using Computer Vision”, [Intelligent Manufacturing and Energy Sustainability](https://link.springer.com/book/10.1007/978-981-19-8497-6) pp 661–671 Springer (2023),  |
| 3. ShaikMahaboob Basha, Akilandeswari P., Prakash D, Biruntha S “Cyber Physical Energy Systems for Electric Vehicles”, in cyber physical energy systems, Scrivener publishing, Wiley publications, book chapter, ISBN 978-1-394-17252-8 |
| 4. Prakash D **“**Study of Machine Learning uses In Lithium-Ion Battery Management” Journal of Electrical Systems, 21-01 (2025): 41-57 |
| 5. Prakash D, Mohideen Abdulkader M, Sakthivel D, Manju I, Sreenivasan K S, Manikandan S (2024, March) “Elytrigia Repens Extracts Control Urban Mosquito Vectors With A Larvicidal Potential, Angiotherapy”, https://doi.org/10.25163/angiotherapy.829593  |
| 6. Prakash, D., Lavanya, G., & Jeyakumar, G. (2023, July). “Analysis of Shortest Routing and Waiting Time of Electric Vehicle Charging Stations”. In *2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)* (pp. 1-6). IEEE. |
| 7. Prakash, D., & Jeyakumar, G. (2023). “A Review of Problem Variants and Approaches for Electric Vehicle Charging and Location Identification.” *Research Reports on Computer Science*, 65-76. |
| 8. Prakash, D., Amritha, A. (2022, November). “Theoretical analysis of medical healthcare chatbot system”. In *AIP Conference Proceedings* (Vol. 2446, No. 1, p. 180065). AIP Publishing LLC. |
| 9. Prakash, D., & Cynthia, J. (2021). “Priority-Based Task Allocation and Scheduling in WSN Using DMPS”. In *Advances in Materials Research: Select Proceedings of ICAMR 2019* (pp. 1123-1131). Springer Singapore. |
| 10. Naveen Kumar, D., Indhushree, S., & Prakash, D. (2021). “Smart Shopping Bag Using IoT.” In *Smart Computing Techniques and Applications: Proceedings of the Fourth International Conference on Smart Computing and Informatics, Volume 1* (pp. 261-269). Springer Singapore. |
| 11. G. Shobana D. Prakash M. S. J. Syed Ali Fathima (2020, November). “IoT based engineering paradigm for real-time home automation”. In *AIP Conference Proceedings* (Vol. 2270, No. 1, p. 140014). AIP Publishing LLC. |
| 12. M Suguna, D Prakash, G Shobana (2020). “Online Attendre Tracking System”. In *Sustainable Communication Networks and Application: ICSCN 2019* (pp. 687-693). Springer International Publishing. |
| 13. MG Ramalakshmi, J Cynthia, D Prakash (2018, December). “A survey on cloud and internet of things-based healthcare diagnosis.” In *2018 4th International conference on computing communication and automation (ICCCA)* (pp. 1-4). IEEE. |
| 14. D.Prakash “An Integrated Multiport Dc-Dc Converter for Renewable Energy Applications” (2019). PP: 7023-7028 | Volume – 9 Issue-1, October 2019 | Retrieval Number: 1374103119/2019 DOI :10.35940/ijeat.A1374.109119 |
| 15. Shobana G Suguna. M, Prakash D, “Research on Privacy Preserving Models for Efficient Healthcare Big Data haring in Cloud” International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8 Issue-6S, August 2019 |
| 16. Cynthia. J, D. Prakash, “[Secure data access privacy preserving using cloud services](https://www.scopus.com/record/display.uri?eid=2-s2.0-85060555274&origin=resultslist&sort=plf-f&src=s&st1=prakash&st2=d&nlo=21&nlr=20&nls=count-f&sid=ac3f8e63bde779b4d4d16ad8cd37a8b1&sot=anl&sdt=aut&sl=32&s=AU-ID%28%22Prakash%2c+D.%22+57201374026%29&relpos=9&citeCnt=0&searchTerm=)”  [(2019) International Journal of Recent Technology and Engineering](https://www.scopus.com/sourceid/21100889873?origin=resultslist) 7(4), pp. 321-324 |
| 17. [Priyanga, B.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57205564243&zone=), [Prakash, D.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=57201374026&zone=) “[Automated generation of question answering system using semantic web](https://www.scopus.com/record/display.uri?eid=2-s2.0-85060552564&origin=resultslist&sort=plf-f&src=s&st1=prakash&st2=d&nlo=21&nlr=20&nls=count-f&sid=ac3f8e63bde779b4d4d16ad8cd37a8b1&sot=anl&sdt=aut&sl=32&s=AU-ID%28%22Prakash%2c+D.%22+57201374026%29&relpos=10&citeCnt=0&searchTerm=)” [International Journal of Recent Technology and Engineering](https://www.scopus.com/sourceid/21100889873?origin=resultslist) 7(4), pp. 325-327 |
| 18. Ramalakshmi, M. Prakash, D. (2018, December). “A survey on cloud and internet of things-based healthcare diagnosis”. In *2018 4th International conference on computing communication and automation (ICCCA)* (pp. 1-4). IEEE. |
| 19. Prakash, D., Thangavel, D. Y., & Shobana, G. (2018). “Heuristic task workflow scheduling in cloud using spot and on-demand instances”. *Journal of Computational and Theoretical Nanoscience*, *15*(8), 2640-2644. |
| 20. Prakash, D., Mahalakshmi, R., & Karpagam, M. (2016). “Power quality enhancement in STATCOM connected distribution systems based on gravitational search algorithm”. *International Journal on Electrical Engineering and Informatics*, *8*(4), 907. |
| 21. Arjunan, R., & Prakash, D. (2015). “Space Vector Modulated Three Level Neutral Point Clamped Inverter Using A Single Z Source Network”. *Space*, *3*(4). |
| 22. Prakash D, “Examination of Healthcare Diagnosis using IoT” in IJITEE ISSN: 2278-3075, Volume-9 Issue-1, November 2019 |
| 23. D Prakash, “Automated Generation of Question Answering System using Semantic Web”, International Journal of Recent Technology and Engineering IJRTE ISSN: 2277-3878, Volume-7 Issue-4S, November 2018. |
| 24. D. Prakash,Sasi, Sneha, Vishalakshi, “Portable Power Monitor and Fault Indicator” in International Journal of Creative Research Thoughts, Vol. 6 Issue 2 April 2018. |
| 25. D. Prakash; R. Mahalakshmi; M. Karpagam “SVMPWM based STATCOM for Voltage Transient Stability” Asian Journal of Research in Social Sciences and Humanities Vol. 6, No. 11, November 2016, pp. 492-506. |
| 27. D. Prakash, P.Dineshkumar, Dr.R.Mahalakshmi, “ Closed Loop Reactive Power Control by A SPWM STATCOM Based on Modular Multilevel Cascade Converter for Electric Welding Machine”, IJERT, Vol.2 – Issue 11 (Nov – 2013) |
| 28. D. Prakash, Arun Kumar V, Dr.R.Mahalakshmi, “Hardware Realization of Single Stage Rectifier”, IJERT, Vol.2 – Issue 2 (February – 2013) |
| Conferences  | 1. Presented a paper entitled “A Review of Problem Variants and Approaches for Electric Vehicle Charging and Location Identification”4th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences MIND-2022 (Virtual mode) 19th and 20th Jan 2023 Maulana Azad National Institute of Technology, Bhopal, India.
 |
| 1. Presented a paper titled, “Object Detection with Voice Feedback for Blind People using Computer Vision” in 4th international conference on Intelligent manufacturing and energy sustainability in Malla Reddy college of engineering and technology, Hyderabad, (ICIMES-2022)
 |
| 1. Presented a paper titled, “Enhancing Customer Engagement using Beacons Mobile-Healthcare Emergency” in international conference in ICAISC in BIT, Sathy on 15-17 October, 2020
 |
| 1. Presented a paper titles in, “ A survey on Cloud and Internet of Things based healthcare diagnosis”, IEEE-International Conference on Computing communication and Automation (ICCCA2018) at Galgotias University, Delhi, Dec-15,2018.
 |
| 1. Presented a research paper in title of “Hardware Realization of Monostage AC – DC Converter” on national level conference Recent Advanced in Power Electronics and Industrial Drives conducted by INFO Institute of Engineering, Coimbatore on 15.03.2013.
 |
| 1. Presented a research paper in title of “Single Stage High Power Factor AC-DC converter Using Partial Resonant Converter” in national level conference Cutting Edge Technologies in Power Conversion conducted by Bannari Amman Institute of Technology, Sathy on 09.02.2012.
 |
| 1. Presented a research paper in title of “Design and Implementation of low Cost Series Active Filter” in national level conference Cutting Edge Technologies in Power Conversion conducted by Bannari Amman Institute of Technology, Sathy on 24.03.2006.
 |
| 1. Presented a research paper in title of “Design and Testing of Welding Machine welding Machine Power Supply using embedded software” in National Level Conference CONET-2005, Conducted by Jayam College of Engineering and Technology, Dharumapuri on 04.04.2005.
 |
| Patents  | 1. Smart Medical Diagnosis System Using IOT Driven Machine Learning and Big Data Analytics 01/2024  |
| 2. Integration of IoT & WSN for remote patient monitoring Analyzer407942-001 |

#

# EDUCATIONAL QUALIFICATION

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Degree** | **Year of Passing** | **Discipline** | **University & Institution** | **Percentage & Class Obtained** |
| **M.Tech** | **2023** | **Artificial Intelligence** | **Amrita Vishwa Vidyapeedam, Coimbatore** | **66.3 , I class** |
| Ph.D | 2018 | Electrical Engineering | Anna University | Awarded |
| M.E | 2005 | PED | Karunya Institute of Technology, Anna University, Chennai | 6.93, I Class |
| B.E | 2002 | EEE | Maharaja Engineering college, Bharathiyar University, Coimbatore | 6.92, I Class |
| HSC | 1998 | CSE | GBH Sec School | 79 % |
| SSLC | 1996 | General | GBH Sec School | 71 % |

Declaration: I hereby declare that all the information mentioned above is true to my knowledge and I have all supporting documents for the facts mentioned above.

 **(Dr.Prakash D)**