

## **Dr. Pushpalatha Naveenkumar**

Assistant Professor (Sl.Gr)

Sri Eshwar College of Engineering,

Coimbatore - 641 015

Tamil Nadu, India

**pushpalatha.n@sece.ac.in**

**9095075244**



### **AREAOFRESEARCH**

Power Electronics and Drives and Power Quality – Harmonic Mitigation, Power Quality Improvement in Industrial Drives, Artificial Intelligence and Machine learning.

### **EDUCATION**

#### **Post Doctorial Fellow (Pursuing)**

Faculty of Information Science and Technology, Multimedia University,  
Melaka 75450, Malaysia, (From January 2025 to December 2026)

#### **Ph.D., Electrical Engineering**

Anna University, Chennai, June 2024

#### **M.E., Power Electronics and Drives**

Karpagam University, Coimbatore, Tamilnadu, June 2013.

#### **B.E., Electrical and Electronics Engineering**

Annai Mathammal Sheela Engineering College, Namakkal , affiliated to Anna  
University of Chennai, April 2009.

### **PROFESSIONALEXPERIENCE**

- ✓ Currently working as a Assistant Professor (Sl.Gr) in Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India, from 06.01.2010 to till date

## **PROFESSIONAL CONTRIBUTION**

- ✓ Lifetime member of ISTE, IAEMP, IGen, IETE and active member in IEEE
- ✓ I have guided over 40+ student projects, successfully transforming them into quality publications and patents. Motivated the students to uphold their significant research for the development of the scientific society and also encouraged them to pursue their higher education globally.
- ✓ Participated as a resource for the "NSTEDB DST Government of India EDII, Ahmedabad Funded Women Entrepreneurship Development Program" for four years in a row.
- ✓ Participate actively and evaluate multiple projects in the "Toycathon 2021" organized by the Innovation Cell, Ministry of Education, with the support of the AICTE, Ministry of Education, Ministry of Women and Child Development, Ministry of Textiles, Ministry of MSME, Ministry of Commerce and Industry, and Ministry of Information and Broadcasting.
- ✓ For the Integrated Child Development Services in Udumalpet and Tirupur District's Poshan Abhiyaan, I have raised awareness and organized a number of webinars.
- ✓ Reviewer for "6th International Conference on Mechanical, Electric, and Industrial Engineering (MEIE2023)", Sanya, China.
- ✓ Acted as a resource person for "Sri Eshwar Internal Hackathon—Hardware Edition 2022".
- ✓ Reviewer for "IEEE MysuruCon 2022", conducted by the IEEE Mysore Subsection.
- ✓ Reviewer for "Second IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC)" @SSIT, Tumkur
- ✓ Presented 17 international conference papers at various reputed universities and colleges.
- ✓ Attended 19 government-sponsored faculty development programs in various engineering streams and skill development areas.
- ✓ I attended two industry-provided trainings at reputed industries for a week each.
- ✓ Attended more than 25 workshops and seminars in various reputed institutions.

- ✓ Received appreciation from management for getting high student feedback several times.
- ✓ Contributed as reviewer and session chair for many international conferences conducted in India and Abroad.

### **INSTITUTIONAL CONTRIBUTION**

- ✓ Department NAAC and NBA Coordinator from 2010 to 2018
- ✓ Department Research Head from 2016 to till date
- ✓ Guided more than 20+ mini and main projects in core and multidisciplinary domain
- ✓ Encourage student Entrepreneurship and motivate them to accomplish the same
- ✓ Assisted 30+ students projects and Scopus paper publications

### **RESEARCH PATENT GRANT**

1. "IOT-Based Electronic Wheelchair", Design No. 367203-001, granted on 04/07/2022

### **RESEARCH PATENT PUBLICAION**

- ✓ Published 14 Patents

1. "Track Based Rail Route Paramount Mechanism to Prevent Train Accidents", Application Number 202441018710, published on 29/03/2024, publication number 13/2024.
2. "Dissemination of Renewable Based Electrical Energy Regeneration for Electric Vehicle to Promote Green Environment", Application Number 202441012543, published on 08/03/2024, publication number 10/2024.
3. "AI-based fabric hole detection system", Application Number 202341027763, published on 09/02/2024, publication number 06/2024.
4. "Artificial Intelligence Based Smart Water Bottle with Drinking Water Consumption Remainder and Water Quality Monitor", Application Number 202241064205 A, published on 18/11/2022, publication number 46/2022.
5. "Renewable energy powered Hazardous waste safe incinerator", Application Number 202241057107, published on 14/10/2022, publication number 41/2022.

6. “Thermal legislation of inoculations using a blended source of electricity”, Application Number 202241051025, published on 16/09/2022, publication number 37/2022.
7. “Use of 5G IoT network to handle moving objects in a smart environment”, Application Number 202241019214, published on 15/04/2022, publication number 15/2022.
8. "IoT Based Smart Wheelchair", Application Number 367203-001, published on 04/07/2022.
9. “Smart Stick for Visually Impaired People”, Application Number 202341089708, published on 19/01/2024, publication number 03/2024.
10. “Strategy for Smart Growth in Agriculture Based on LORAW – Autonomous Tractors and Combines”, Application Number 202341066766, published on 20/10/2023, publication number 42/2023.
11. “GPS Based Solar Tracking System”, Application Number 202241060882, published on 04/11/2022, publication number 44/2022.
12. “Recognizance of Electrical, Mechanical and Thermal Parameters in Electric Trains using AI & ML”, Application Number 202241060875, published on 18/11/2022, publication number 46/2022.
13. “Design and Development of Mangling and Ruffle Machine”, Application Number 202241059412, published on 28/10/2022, publication number 43/2022.
14. “Design and Development of DSM Controller”, Application Number 202241070022, published on 09/12/2022, publication number 49/2022.

## **BOOK PUBLICATION**

1. Published a **Scopus indexing Edited book titled “Handbook of AI-Based Mechatronics Systems and Smart Solutions in Industrial Automation”** (1st ed.). CRC Press. <https://doi.org/10.1201/9781032615790>  
ISBN: 9781032614359

Publication Link: <https://www.taylorfrancis.com/chapters/edit/10.1201/9781032615790-4/resilience-artificial-intelligence-mechatronics-sector-praveen-kumar-saradha-meena-vijayakumar-pushpalatha-naveenkumar?context=ubx&refId=cbca01e4-0d51-485e-95b0-08c0e764f596>

Amazon: <https://www.amazon.com/s?k=9781032614359&i=stripbooks&linkCode=qs>

2. Authored a Book Titled , "**Basic of Electrical and Electronics Engineering** " published by "**Evince pub publication** " is now live on Evincepub Store and other channels.

Evincepub: <https://evincepub.com/product/basic-electrical-and-electronics-engineering/>

Bspkart: <https://www.bspkart.com/product/basic-electrical-and-electronics-engineering/>

Amazon: <https://www.amazon.in/dp/9354469132/ref>

Flipkart: <https://www.flipkart.com/basic-electrical-electronics-engineering/p/itm429fa551>

## **BOOK CHAPTER PUBLICATION**

1. Prasanth, A., D, L., Dhanaraj, R.K., Balusamy, B., & P C, S. (Eds.). (2022). Cognitive Computing for Internet of Medical Things (1st ed.). Chapman and Hall/CRC. <https://doi.org/10.1201/9781003256243>
2. Gunapriya Devarajan; Puspallatha Naveen Kumar; Muniraj Chinnusamy; Sabareeshwaran Kanagaraj; Sharmeela Chenniappan, "Modeling and Simulation of Smart Power Systems Using HIL," in Artificial Intelligence-based Smart Power Systems , IEEE, 2023, pp.291-309, <https://doi.org/10.1002/9781119893998.ch15> .
3. Pushpalatha, N., Mohanram, Sudha, Sivaranjani, S. and Prasanth, A.. "5 Enterprise Data". Data Fabric Architectures: Web-Driven Applications, edited by Vandana Sharma, Balamurugan Balusamy, J. Joshua Thomas and L. Godlin Atlas, Berlin, Boston: De Gruyter, 2023, pp. 95-114. <https://doi.org/10.1515/9783111000886-005>
4. S. Arunarani, A. Prasanth, N. Pushpalatha, and M. Ouaisa, "Applications of hyperautomation in finance and Banking Industries," Hyperautomation for Next-Generation Industries, pp. 229–254, Sep. 2024. <https://doi.org/10.1002/9781394186518.ch9>
5. Naveenkumar, P., Sharma, V., Devarajan, G., Abdullah, A., & Elngar, A.A. (Eds.). (2025). Handbook of AI-Based Mechatronics Systems and Smart Solutions in Industrial Automation (1st ed.). CRC Press. <https://doi.org/10.1201/9781032615790>
6. Naveenkumar, P., Sharma, V., Devarajan, G., Abdullah, A., & Elngar, A.A. (Eds.). (2025). Handbook of AI-Based Mechatronics Systems and Smart

- Solutions in Industrial Automation (1st ed.). CRC Press.  
<https://doi.org/10.1201/9781032615790>
7. Naveenkumar, P., Sharma, V., Devarajan, G., Abdullah, A., & Elngar, A.A. (Eds.). (2025). Handbook of AI-Based Mechatronics Systems and Smart Solutions in Industrial Automation (1st ed.). CRC Press.  
<https://doi.org/10.1201/9781032615790>
  8. Naveenkumar, P., Sharma, V., Devarajan, G., Abdullah, A., & Elngar, A.A. (Eds.). (2025). Handbook of AI-Based Mechatronics Systems and Smart Solutions in Industrial Automation (1st ed.). CRC Press.  
<https://doi.org/10.1201/9781032615790>

### **SCOPUS INDEXED JOURNAL PAPER PUBLICATION**

1. B. Hemananth, N. Pushpalatha, V. A. Kumar, N. K. Prabhu, V. Yogaraj and A. Yuvaraj, "CARE CANE-Versatile Supportive Cane for Vision-Impaired," 2022 8th International Conference on Smart Structures and Systems (ICSSS), Chennai, India, 2022, pp. 1-4, doi: 10.1109/ICSSS54381.2022.9782198.
2. H. R, P. N, R. M, J. M, K. D. M and J. S, "An Intelligence Gathering Cyborg Aided by the Internet of Things (IoT)," 2022 8th International Conference on Smart Structures and Systems (ICSSS), Chennai, India, 2022, pp. 1-6, doi: 10.1109/ICSSS54381.2022.9782266.
3. P. N, D. Naveenkumar, K. K, S. A. A, P. S and M. A, "Vaccine Temperature Controller Equipment," 2022 8th International Conference on Smart Structures and Systems (ICSSS), Chennai, India, 2022, pp. 1-6, doi: 10.1109/ICSSS54381.2022.9782216.
4. S. B. S, P. N, K. M, R. K, S. D and R. S, "Monitoring System For Water Quality Using Solar Powered IoT," 2022 8th International Conference on Smart Structures and Systems (ICSSS), Chennai, India, 2022, pp. 1-4, doi: 10.1109/ICSSS54381.2022.9782264.
5. S. S. Batcha, P. N, N. S, B. RV, B. S and S. A, "Multi-Purpose Security and Protection Padlock with a Tiny, Handheld Device Using IoT," 2022 8th International Conference on Smart Structures and Systems (ICSSS), Chennai, India, 2022, pp. 1-4, doi: 10.1109/ICSSS54381.2022.9782163.
6. A. Prasanth, L. D., R. K. Dhanaraj, B. Balusamy, and P. C. Sherimon, Cognitive computing for internet of medical things. Boca Raton, FL: Chapman & Hall/CRC Press, 2023.
7. S. V. Prasath, N. Pushpalatha, D. Gunapriya, P. M. Kumar, R. T. Santhosh and S. Srinivasan, "Automated Agronomic Bot for Green Ailment Scanner," 2022 5th

International Conference on Contemporary Computing and Informatics (IC3I), Uttar Pradesh, India, 2022, pp. 935-940, doi: 10.1109/IC3I56241.2022.10073042.

8. N. Pushpalatha, S. Jabeera, N. Hemalatha, V. Sharma, B. Balusamy and R. Yuvaraj, "A Succinct Summary of the Solar MPPT Utilizing a Diverse Optimizing Compiler," 2022 5th International Conference on Contemporary Computing and Informatics (IC3I), Uttar Pradesh, India, 2022, pp. 1177-1181, doi: 10.1109/IC3I56241.2022.10072844.

9. N. Pushpalatha, S. Batcha, V. Yesvanthkrishna, S. Rathinamala, B. P. Devi and G. V, "Gesture-based Control of a Bionic Arm – A Prototype Design," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 856-859, doi: 10.1109/ICCMC56507.2023.10084175.

10. P. N, S. D. K, S. O. S, S. Jabeera, S. R and M. R, "IoT based Modern Agriculture Buffer Stock System AAF-Availability Accessibility Feasibility," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 1278-1282, doi: 10.1109/ICCMC56507.2023.10084174.

11. Pushpalatha, N., Mohanram, Sudha, Sivaranjani, S. and Prasanth, A.. "5 Enterprise Data". Data Fabric Architectures: Web-Driven Applications, edited by Vandana Sharma, Balamurugan Balusamy, J. Joshua Thomas and L. Godlin Atlas, Berlin, Boston: De Gruyter, 2023, pp. 95-114. <https://doi.org/10.1515/9783111000886-005>

12. P. N, N. V. S. Sai Balaji, G. V. Varthan, R. Sivakumar, L. C. T. Maule and D. Naveenkumar, "A Review on Intelligent Water Bottle Powered by IoT," 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2023, pp. 2335-2338, doi: 10.1109/ICACCS57279.2023.10112908.

13. N. Pushpalatha, G. Banu, G. Vishwanath Jagatap, S. Sivaranjani, Y. Shinde and J. Uma, "A Complete Appraisal of Various Emerging Battery Technology Along with Its Own Attributes," 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2023, pp. 2072-2076, doi: 10.1109/ICACCS57279.2023.10112780.

14. C. Mohanraj et al., "Conspiracy in the Stealing of Electricity Detection Through the IOT," 2023 3rd International Conference on Innovative Practices in Technology and Management (ICIPTM), Uttar Pradesh, India, 2023, pp. 1-5, doi: 10.1109/ICIPTM57143.2023.10117849.

15. T. Kokilavani et al., "Electric Vehicle Charging Station with Effective Energy Management, Integrating Renewable and Grid Power," 2023 3rd International Conference

on Innovative Practices in Technology and Management (ICIPTM), Uttar Pradesh, India, 2023, pp. 1-5, doi: 10.1109/ICIPTM57143.2023.10118186.

16. D. Gunapriya et al., "An Exhaustive Investigation of Battery Management System (BMS)," 2023 3rd International Conference on Innovative Practices in Technology and Management (ICIPTM), Uttar Pradesh, India, 2023, pp. 1-5, doi: 10.1109/ICIPTM57143.2023.10117824.

17. P. Naveenkumar and S. Mohanram, "An Empirical Performance Assessment of Infrared Thermography for Real-time Monitoring of Electrical Systems in the Coco Fibre Industry", C. R. Acad. Bulg. Sci. , vol. 76, no. 4, pp. 597–604, Apr. 2023.

18. Aruchamy, P, Gnanaselvi, S, Sowndarya, D, Naveenkumar, P. An artificial intelligence approach for energy-aware intrusion detection and secure routing in internet of things-enabled wireless sensor networks. *Concurrency Computat Pract Exper.* 2023; 35(23):e7818. doi: [10.1002/cpe.7818](https://doi.org/10.1002/cpe.7818)

19. N. Pusphalatha, B. P. Devi, V. Sharma and A. Alkhayyat, "A Comprehensive Study of AI-based Optimal Potential Point Tracking for Solar PV Frameworks," 2023 IEEE IAS Global Conference on Emerging Technologies (GlobConET), London, United Kingdom, 2023, pp. 1-5, doi: 10.1109/GlobConET56651.2023.10149990.

20. S. Sivaranjani, D. Gunapriya, N. Pusphalatha, V. Sharma and A. Alkhayyat, "Investigation on DC Chopper Controlled PMSG Driven Horizontal Axis Wind Turbine," 2023 IEEE IAS Global Conference on Emerging Technologies (GlobConET), London, United Kingdom, 2023, pp. 1-7, doi: 10.1109/GlobConET56651.2023.10150071.

21. W. R. Babu, N. Pushpalatha, L. Catherine, K. Janani, S. S. Kanase and P. Patil, "Review and Comparison on Types of Solar Tracking using PNT Systems," 2023 7th International Conference on Intelligent Computing and Control Systems (ICICCS), Madurai, India, 2023, pp. 1697-1701, doi: 10.1109/ICICCS56967.2023.10142648.

22. S. B. S, M. P. Mohandass, P. P. A, P. N, K. K and A. S. L, "Agriculture Based Information Transferring Protocol for Effective Communication," 2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), Trichirappalli, India, 2023, pp. 1-5, doi: 10.1109/ICEEICT56924.2023.10156930.

23. Pushpalatha, N., Mohanram, S., Yuvaraj, R., & Banu, G. (2023). AI-Based Power Quality Improvement Of A Ups For A Sustainable Electrical Network. In *Journal of Environmental Protection and Ecology* (Vol. 24, Issue 6, pp. 2000–2011).

24. Subramani, Sivaranjani and Devarajan, Gunapriya and Naveenkumar, Pushpalatha and Gandhi, V. Indra, Investigation on Impact of Converters for Standalone Wind Energy Conversion System. Available at SSRN: <https://ssrn.com/abstract=4659024> or <http://dx.doi.org/10.2139/ssrn.4659024>.
25. Batcha, S. S., Mohanram, S. S., Pushpalatha, N., & Devi, B. P. (2023). Simulation Analysis Of A Multilevel Inverter In A Grid-Connected Hybrid Renewable System For Sustainable Development. In *Journal Of Environmental Protection And Ecology* (Vol. 24, Issue 8, Pp. 2806–2814).
26. P. N, C. Mohanraj, K. S, R. K, A. A and P. S. P, "Arduino Based Smart Vacuum Cleaner," 2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), Gautam Buddha Nagar, India, 2023, pp. 858-862, doi: 10.1109/UPCON59197.2023.10434606.
27. P. N, P. P, G. Banu, S. Thirunavukkarasu, T. Kokilavani and B. P. Devi, "AI Based Tagging the Optimal Power Point of a Solar Photovoltaic Using Artificial Bee Colony (ABC) Optimization Algorithm," 2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON), Gautam Buddha Nagar, India, 2023, pp. 1428-1432, doi: 10.1109/UPCON59197.2023.10434379.
28. A. Pradeepa, O. V. Shanmuga Sundaram, and N. Pushpalatha, "Graphical image of Trisomy Ultrascan related Total edge magic labelling", *EAI Endorsed Trans Perv Health Tech*, vol. 10, Mar. 2024.
29. N. Pushpalatha, T. Cheran, V. Ramya, S. Selvanayakam and V. Yamunaa, "HydroLink - Automatic Water Level Controller," 2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), Bengaluru, India, 2024, pp. 242-246, doi: 10.1109/IDCIoT59759.2024.10467554.
30. "Subramanian, T., Naveenkumar, P., Maheswaran, M., & Govindaraj, R. S. (2024). Sustainable Energy and Power Quality Assessment by Invasive Thermography and Energy Audit In The Tea Industry: A Scientific Study. In *Journal of Environmental Protection and Ecology* (Vol. 25, Issue 2, pp. 461–472).
31. Sri Sangeetha R, Pushpalatha N, Gururaj P, Dharmaselva R, Hemalatha N and Gunapriya D, "Twofold Base IoT-Based Intelligent Power Quality Monitoring System by Considering Social Stewardship", *Advances in Intelligent Systems and Technologies*, pp. 073-077, August. 2023. doi:10.53759/aist/978-9914-9946-4-3\_12
32. P. N, M. M, A. Ravi, P. P. P, K. Kannan and D. Gunapriya, "A Review on Leveraging Reinforcement Learning for Enhanced Decision-Making in Power and Energy Systems,"

2024 International Conference on Science Technology Engineering and Management (ICSTEM), Coimbatore, India, 2024, pp. 1-8, doi: 10.1109/ICSTEM61137.2024.10561146.

33. P. N, D. Gunapriya, J. P, G. K. A, M. K and M. S, "Smart Energy Meter for Mobile-Based Power Consumption Monitoring and Management," 2024 International Conference on Science Technology Engineering and Management (ICSTEM), Coimbatore, India, 2024, pp. 1-5, doi: 10.1109/ICSTEM61137.2024.10561246.

34. P. N, D. Gunapriya, B. A, C. S, S. S and V. S, "A Sustainable Agricultural Field Surveillance System Involving Intelligent Irrigation System for Ecological Balance," 2024 International Conference on Science Technology Engineering and Management (ICSTEM), Coimbatore, India, 2024, pp. 1-7, doi: 10.1109/ICSTEM61137.2024.10560948.

35. M. M, K. D. V, D. Gunapriya, P. N, S. S. Karthik and S. A, "Machine Learning-Based Pre-Stroke Detection System," 2024 International Conference on Science Technology Engineering and Management (ICSTEM), Coimbatore, India, 2024, pp. 1-5, doi: 10.1109/ICSTEM61137.2024.10560875.

36. M. M, D. Gunapriya, G. V, B. P. Devi, P. N and N. Abinaya, "Field Monitoring and Automatic Agricultural System," 2024 International Conference on Science Technology Engineering and Management (ICSTEM), Coimbatore, India, 2024, pp. 1-7, doi: 10.1109/ICSTEM61137.2024.10560701.

37. K. S. Dhananjayan, M. M, P. Kayalvizhi, P. Lakshmanan, P. N and O. S. Senthooriya, "Development of a Telematic Control Unit for Capturing Vital Vehicle Data Without Using Company Fitted Telematic Ports," 2024 International Conference on Science Technology Engineering and Management (ICSTEM), Coimbatore, India, 2024, pp. 1-5, doi: 10.1109/ICSTEM61137.2024.10561194.

38. D. Gunapriya, N. Pusphalatha, S. Sudharsan, S. Pandi, R. SivaKumar and P. V. Kumar, "A General Investigation of Battery Handling Techniques Driven by IoT," 2023 Fourth International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), Bengaluru, India, 2023, pp. 1-6, doi: 10.1109/ICSTCEE60504.2023.10584895.

39. S. Arunarani, A. Prasanth, N. Pushpalatha, and M. Ouaisa, "Applications of hyperautomation in finance and Banking Industries," Hyperautomation for Next-Generation Industries, pp. 229–254, Sep. 2024. doi:10.1002/9781394186518.ch9

40. W. R. Babu et al., "Space-based GPS Solar Tracking System," *Advances in Engineering Research*, pp. 371–382, 2024. doi:10.2991/978-94-6463-529-4\_33
41. P. N, A. N. Venakata Seetha Sai Balaji, G. V. Varthan, G. V and N. D, "Development of A Sense- Capable Water Container with Water Intake Remainder," 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2024, pp. 1674-1678, doi: 10.1109/ICACCS60874.2024.10717107.
42. P. N, A. M. I, J. Sai J, G. S. G, M. Mubarak A and M. Gowtham, "A Smart Approach Towards Sustainable Development Through An IoT-Powered Recycling Bin," 2024 International Conference on Recent Innovation in Smart and Sustainable Technology (ICRISST), Bengaluru, India, 2024, pp. 1-4, doi: 10.1109/ICRISST59181.2024.10921876.
43. P. N, V.Gomathi, S. Prashanth, M.S.Suryanithi, S.Kavin and Niranjankumar.N, "An Optimized, Sophisticated Technological Approach for Savvy Car Parking Framework for Smart Car Parking System Futuristic Metropolis," 2024 International Conference on Recent Innovation in Smart and Sustainable Technology (ICRISST), Bengaluru, India, 2024, pp. 1-4, doi: 10.1109/ICRISST59181.2024.10921772.
44. P. N, S. D. K, S. O. S, T. K, J.Arulvadiu and G. M, "Detection of Mishap and Myocardial Infraction," 2024 International Conference on Recent Innovation in Smart and Sustainable Technology (ICRISST), Bengaluru, India, 2024, pp. 1-5, doi: 10.1109/ICRISST59181.2024.10921953.
45. Pushpalatha, N., Vidyalakshmi, R., Pradeepa, A., Maheshwaran, M., Sabareeshwaran, K., Gomathi, V. (2026). Track Sential. In: Koganti, K.K., E., S.R., Gupta, N. (eds) *Advanced Technologies in Electronics, Communications and Signal Processing. ICATECS 2024. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering*, vol 620. Springer, Cham. [https://doi.org/10.1007/978-3-031-94283-9\\_5](https://doi.org/10.1007/978-3-031-94283-9_5)
46. V. K. Pandiyan, A. Kothiyar, P. Naveenkumar, and M. C. Sekar, "Optimized photovoltaic-dynamic voltage restorer (PV-DVR) system for power quality advancement in grid," *Environmental Engineering and Management Journal*, vol. 24, no. 6, pp. 1219–1225, 2025. doi:10.30638/eemj.2025.094
47. P. N, S. Yogarayan, S. A, G. D, and S. F. Abdul Razak, "An effective content based image retrieval using multi feature fusion algorithm with optimized retrieval technique of soft computing approach," *Journal of Machine and Computing*, pp. 1958–1970, Oct. 2025. doi:10.53759/7669/jmc202505153

48. C. Nandagopal, R. R. Kanna, K. Sangeetha, and P. Naveenkumar, "Cyber threat detection in 6G internet of things using Deep Learning and privacy preservation via Blockchain," International Journal of Communication Systems, vol. 39, no. 2, Dec. 2025. doi:10.1002/dac.70356

49. P. N, S. S. Karthik, H. Vel S K, K. S, S. V and S. M. S, "Intelligent Autonomous Billing Trolley for Enhanced Customer Shopping Experience," 2025 7th International Conference on Innovative Data Communication Technologies and Application (ICIDCA), Coimbatore, India, 2025, pp. 300-305, doi: 10.1109/ICIDCA66325.2025.11280480.

**PERSONAL DETAILS:**

Husband's Name : Mr. Naveenkumar D  
Date of Birth : 20.09.1988  
Nationality : Indian  
Languages Known : Tamil, English and Telugu.

**DECLARATION**

I declare that the information given is true and correct to the best of my knowledge.

**Place: Coimbatore**

**Date:**

**(Dr. Pushpalatha Naveenkumar)**