

BIO DATA



Name : Mrs.G.Subhashini
Designation : AP
Department : Electronics and Communication Engineering
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Mobile Number : 9042899481

Google Scholar link: [https://scholar.google.com/citations?](https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=8RA00tkAAAAJ)

[view_op=list_works&hl=en&hl=en&user=8RA00tkAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=8RA00tkAAAAJ)

1. Educational Qualification

| Degree | Branch / Specialization | Institute/University | Year of Passing |
|--------|-------------------------|---|-----------------|
| Ph.D | Wireless Communication | Thiagarajar College of Engineering | Pursuing |
| M.E. | VLSI Design | Anna University, Regional Office, Madurai. | 2014 |
| B.E. | ECE | Vickram College Of Engineering, Sivagangai. | 2010 |

2. Professional/ Industry Experience

(in chronological order)

| S.No | Designation | Institution/Organization | Period | |
|------|------------------------|---|------------|------------|
| | | | From | To |
| 1. | Assistant Professor-II | Ramco Institute of Technology, Rajapalayam | 01.06.2025 | Till Date |
| 2. | Assistant Professor-I | Ramco Institute of Technology, Rajapalayam | 08.12.2021 | 01.06.2025 |
| 3. | Assistant Professor | AAA College of Engineering and Technology, Sivakasi | 02.06.2014 | 06.11.2021 |
| 4. | Lecturer | Arulmigu Kallalagar Polytechnic College | 13.07.2011 | 15.08.2012 |

Updated as on 06.04.2026

3. Research Interest

VLSI Design and Wireless Communication

4. Publications

4.1 JOURNAL PUBLICATIONS

1. G. Subhashini, P.G.S. Velmurugan, S.J. Thiruvengadam, **Performance analysis of DF-based multi-hop IoT systems over generalized α - η - κ - μ fading in mmWave environments**, Physical Communication, Volume 74, 2026, 102949, ISSN 1874-4907, <https://doi.org/10.1016/j.phycom.2025.102949>. (Annexure –I)
2. G.Subhashini, R.Rajalakshmi, L. K. Kumari, P.Sivakumar and I.Asawathi, "**Exploring the Performance of NOMA Systems with Intelligent Surface Assistance**," 2024 5th International Conference on Communication, Computing & Industry 6.0 (C2I6), Bengaluru, India, 2024, pp. 1-6, doi: 10.1109/C2I663243.2024.10895562.
3. R. Rajalakshmi, V. K. Shukla, P. Sivakumar, B. B. Baanu, L. K. Kumari and G. Subhashini, "**Hardware-Efficient ASIC CNN Accelerator with Approximate Computing for Edge AI**," **2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC)**, Coimbatore, India, 2025, pp. 470-476, doi: 10.1109/ICESC65114.2025.11212300.
4. C. R, M. Sanmuga Priya, D. Selvathi, G. Subhashini, A. K and M. G, "**Alzheimer's Disease Detection Using Deep Learning: A Googlenet-Based Classification Framework**," 2025 9th International Conference on Inventive Systems and Control (ICISC), Coimbatore, India, 2025, pp. 601-605, doi: 10.1109/ICISC65841.2025.11188981
5. K. K. L, R. Rajalakshmi, K. Ramalakshmi, A. Lakshmi, G. Subhashini and G. Theivanathan, "**Enhancing Pneumonia Detection Through Convolutional Neural Networks and Data Augmentation In Chest X-Ray Imaging**," 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2024, pp. 715-718, doi: 10.1109/ICACCS60874.2024.10717046
6. R. Rajalakshmi, P. Sivakumar, M. Krishnakumari and G. Subhashini, "**Harnessing Image Analysis for Early Leukemia Detection in Bone Marrow Samples**," 2024 IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES), KOTTAYAM, India, 2024, pp. 1-7, doi: 10.1109/SPICES62143.2024.10779690.
7. R. Rajalakshmi, P. Sivakumar, L. Krishnakumari, G. Subhashini, T. Prathiba and V. K. Shukla, "**Deep Learning Framework for IRS in Next-Generation Wireless Systems**," 2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 2025, pp. 1479-1484, doi: 10.1109/ICESC65114.2025.11212404.
8. Mrs.G.Subhashini, presented a paper titled **Enhancing IoT Connectivity with Spatial Modulation in mm-wave Multihop Cooperative Relaying System** in 2024 15th International

Conference on Computing Communication and Networking Technologies (ICCCNT) held at IIT-Mandi, June 24, 2024(*Scopus Indexed*)

9. Mrs.G.Subhashini, presented a paper titled **Enhancing Pneumonia Detection Through Convolutional Neural Networks and Data Augmentation In Chest X-Ray Imaging** in 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS) (*Scopus Indexed*)
10. Mrs.G.Subhashini, presented a paper titled **Satellite Image-Based Wildfire Detection and Alerting System Using Machine Learning** in 2023 International Conference on Data Science, Agents and Artificial Intelligence, ICDSAAI 2023 organized by Center for Artificial Intelligence on Research, Chennai Institute of Technology 21-23, 2023(*Scopus Indexed*)
11. Mrs.G.Subhashini, presented a paper titled **Modern WSN Routing Protocol using Methods for Reducing Energy Consumption based on Block Chain Technology** in International Conference on Recent Advances in Science and Engineering Technology, ICRASET 2023, 2023 (*Scopus Indexed*)
12. Mrs.G.Subhashini, presented a paper titled **Reduction of FWM in WDM Optical Network for Increasing Fiber Capacity** in 4th International Conference on Smart Electronics and Communication, ICOSEC 2023, 2023, pp. 253–257 (*Scopus Indexed*)
13. Mrs.G.Subhashini, presented a paper titled **Analysis of power in logic circuits using various clock-gating techniques** in AIP Conference Proceedings, 2023, 2831(1), 050005 (*Scopus Indexed*)
14. Mrs.G.Subhashini, Dr.S.Vairaprakash, Ms.R.Chandralekha, Dr.R.Rajalakshmi, Ms.A.S.Amudhadevi and Ms.R.Ishwarya presented a paper on "**Modelling and Analysis of different types of TSV for Three Dimensional Integrated Circuits**" in IEEE International Conference on Networking and Communications (ICNWC 2023) at SRM Institute of Science and Technology, Chennai on 05.04.2023. **Scopus Indexed Paper.**
15. **G.Subhashini, V.Vaishalee, K.A.Rajadarwini** Published a paper titled „Comparative Analysis of Full-Adder Using Conventional XNOR and NEO-XNOR Logic“, Journal of Electronic Design Engineering, Print ISSN 2581-639X in Volume 6, Issue 1, Published Online, 2020, Impact Factor:1.05
16. **G.Subhashini, A.Annie Sheryl, R.Vimala** “IOT based Temperature Monitoring System using FPGA” in Journal of Analog and Digital Devices, Volume 4, Issue 3, 2019.
17. **G.Subhahini, J.Mangayarkarasi** “Analytical modeling and characterization of TSV for three dimensional integrated circuits” Â Latest Trends in Circuits, Systems, Signal Processing and Automatic Control, Proceedings of 5th International Conference on Circuits, Systems, Control, Signals (CSCS '14) at Salerno Italy held from 4-5th of June, 2014, ISSN: 1790-5117. ISBN: 978-960-474-374- 2 pp 306-313, 2014 **Scopus Indexed Paper.**
18. **G.Subhahini, J.Mangayarkarasi** “Power-delay Co-analysis of TSV for three dimensional integrated circuits” in CIIT International Journal of Programmable Device Circuits and Systems, vol. 6, no. 2, April 2014.

Updated as on 06.04.2026

18.2 CONFERENCE PUBLICATIONS

1. G.Subhashini, R.Rajalakshmi, L. K. Kumari, P.Sivakumar and I.Aswathi, "**Exploring the Performance of NOMA Systems with Intelligent Surface Assistance**," 2024 5th International Conference on Communication, Computing & Industry 6.0 (C2I6), Bengaluru, India, 2024, pp. 1-6, doi: 10.1109/C2I663243.2024.10895562.
2. R. Rajalakshmi, V. K. Shukla, P. Sivakumar, B. B. Baanu, L. K. Kumari and G. Subhashini, "**Hardware-Efficient ASIC CNN Accelerator with Approximate Computing for Edge AI**," 2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 2025, pp. 470-476, doi: 10.1109/ICESC65114.2025.11212300.
3. C. R, M. Sanmuga Priya, D. Selvathi, G. Subhashini, A. K and M. G, "**Alzheimer's Disease Detection Using Deep Learning: A Googlenet-Based Classification Framework**," 2025 9th International Conference on Inventive Systems and Control (ICISC), Coimbatore, India, 2025, pp. 601-605, doi: 10.1109/ICISC65841.2025.11188981
4. K. K. L, R. Rajalakshmi, K. Ramalakshmi, A. Lakshmi, G. Subhashini and G. Theivanathan, "**Enhancing Pneumonia Detection Through Convolutional Neural Networks and Data Augmentation In Chest X-Ray Imaging**," 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2024, pp. 715-718, doi: 10.1109/ICACCS60874.2024.10717046
5. R. Rajalakshmi, P. Sivakumar, M. Krishnakumari and G. Subhashini, "**Harnessing Image Analysis for Early Leukemia Detection in Bone Marrow Samples**," 2024 IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES), KOTTAYAM, India, 2024, pp. 1-7, doi: 10.1109/SPICES62143.2024.10779690.
6. R. Rajalakshmi, P. Sivakumar, L. Krishnakumari, G. Subhashini, T. Prathiba and V. K. Shukla, "**Deep Learning Framework for IRS in Next-Generation Wireless Systems**," 2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 2025, pp. 1479-1484, doi: 10.1109/ICESC65114.2025.11212404.
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8. Mrs.G.Subhashini, presented a paper titled **Enhancing Pneumonia Detection Through Convolutional Neural Networks and Data Augmentation In Chest X-Ray Imaging** in 2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS)
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10. Mrs. G. Subhashini, presented a paper titled **Modern WSN Routing Protocol using Methods for Reducing Energy Consumption based on Block Chain Technology** in International Conference on Recent Advances in Science and Engineering Technology, ICRASET 2023, 2023
11. Mrs. G. Subhashini, presented a paper titled **Evaluating the performance of Intelligent Surface Assisted Wireless Systems that are reconfigurable** in International Conference on Recent Trends in Engineering Technology and Management, ICRETM, Aril 5- 2024.
12. Mrs. G. Subhashini, presented a paper titled **"Performance Analysis of reconfigurable Intelligent Surface Assisted NOMA System"** in International Conference on Recent Trends in Engineering Technology and Management, ICRETM, Aril 5- 2024.
13. Mrs. G. Subhashini, presented a paper titled **Reduction of FWM in WDM Optical Network for Increasing Fiber Capacity** in 4th International Conference on Smart Electronics and Communication, ICOSEC 2023, 2023, pp. 253–257
14. Mrs. G. Subhashini, presented a paper titled **Analysis of power in logic circuits using various clock-gating techniques** in AIP Conference Proceedings, 2023, 2831(1), 050005
15. Mrs. G. Subhashini, Dr. S. Vairaprakash, Ms. R. Chandrlekha, Dr. R. Rajalakshmi, Ms. A. S. Amudhadevi and Ms. R. Ishwarya presented a paper on **"Modelling and Analysis of different types of TSV for Three Dimensional Integrated Circuits"** in IEEE International Conference on Networking and Communications (ICNWC 2023) at SRM Institute of Science and Technology, Chennai on 05.04.2023. Scopus Indexed Paper.
16. **Mrs. G. Subhashini**, presented a paper titled **A Deep Learning Approach to classify drones and birds of Things** in the International Conference on Newer Engineering Concepts and Technology (ECE23083) organized by K. Ramakrishana college of Technology (Autonomous), Kariyamanickam Road, Samayapuram, Trichy during 27-04-2023 and 28-04-2023.
17. **Mrs. G. Subhashini**, presented a paper titled **TUBERCULOSIS DETECTION USING DLT** in the ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET'23) organized by Karpagam Institute of Technology, Coimbatore held on 05 th & 06th of May 2023.
18. **G. subhashini (2022)**, "Design and Development of Self Balanced Gyro Stabilized Electro –Bot" in International Conference on Advanced Computing and Informatics (ICACI-2022) held at SIMATS School of Engineering, Chennai on 09.09.2022 to 10.09.2022
19. **G. subhashini (2022)**, "Novel Routing Protocol for WSN using Block chain Technology based energy saving Technique" in International Conference on Advanced Computing and Informatics (ICACI-2022) held at SIMATS School of Engineering, Chennai on 09.09.2022 to 10.09.2022
20. **G. subhashini (2021)**, "Development of Gyro Stabilized Electro –Bot" in Virtual International Conference on Interdisciplinary Research in Social Sciences, Sciences and Technology held at KG College of Arts and Science , Coimbatore on 21.05.2021 and 22.05.2021.

- 21.G.subhashini (2021)**, “Design of Low Power and high Speed Hybrid Multiplier” in Seventh International Conference on Emerging Trends in Engineering and Technology (ICETET‘20) held at Pandiyan Saraswathi Yadav Engineering College on 13.03.2020 & 14.03.2020
- 22.G.subhashini (2020)**, “A High Speed and Low Power Multiplier using a Redundant Binary Booth Encoding” in Seventh International Conference on Emerging Trends in Engineering and Technology (ICETET‘20) held at Pandiyan Saraswathi Yadav Engineering College on 13.03.2020 & 14.03.2020.
- 23.G.subhashini (2019)**, “IOT based temperature monitoring System using FPGA” in 4th International Conference on Technical Innovations in Electrical, Electronics, Computer and Communications organized by PET Engineering College.
- 24.G.subhashini (2019)**, “Implementation of Area, Power, Speed efficient adder using FPGA” in 4th International Conference on Technical Innovations in Electrical, Electronics, Computer and Communications organized by PET Engineering College.
- 25.G.subhashini (2017)**, “Analysis of Three Dimensional IC with TSV” in International Conference on Recent Trends in Electrical, Electronics and Communication Engineering organized by P.S.R Engineering College.
- 26.G.subhashini (2017)**, “Configuration of NEO full adder” in International Conference on Technical Innovations in Electrical, Electronics, Computer and Communications organized by PET Engineering College.
- 27.G.subhashini (2014)**, “Analytical modeling and characterization of TSV for three dimensional integrated circuits” in the National Conference on microwave and optical communication organized by Alagappa Chettiar College of Engineering and Technology.
- 28. G.subhashini (2014)**, “Field Effect Transistors Power-delay co- analysis of TSV for Three Dimensional Integrated Circuits” First International Conference on VLSI Computation, Networks, Drives, System Design conducted by Sethu Institute of Technology.

4.3 Book/Book chapter publications

- I have written the book for the subject of **Radar and Navigational Aids** for 7th semester in suchithra publication for 2013 regulation.

5. Funded Projects

| S.No. | Title of the project | Funding Agency | Duration | Amount | Status |
|-------|--|----------------|-----------|---------|---------|
| 1. | Design and Development of Adaptive Kalman Filter-Based BPSK Demodulator for Deep Space Communication | ISRO | 2024-2025 | 1600000 | Applied |
| 2. | Wi-fi and Bluetooth Mesh Enabled Smart IoT Device for Athletes | TNSCST | 2024-2025 | 8739 | Applied |

Updated as on 06.04.2026

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|-----|--|---------------------------------|-----------|------------|------------------------------------|
| 3. | Development of Smart Vehicle Monitoring and Accident Detection System in Motor Bike Detection System in Motor Bike | TNSCST | 2024-2025 | 8500 | Applied |
| 4. | Detection using Fire Pattern Matching and Raspberry Pi | TNSCST | 2024-2025 | 8000 | Sanctioned |
| 5. | How might we design a system to monitor the overall operations of a government hospital to monitor and provide real-time data on all aspects of patients admitted into the hospital and out patients | Niral tiruvizha | 2024-2025 | 9000 | Applied |
| 6. | AI-Driven Tuberculosis Detection Using Deep Neural Networks | PATENT | 2024-2025 | - | Patent filled |
| 7. | Intelligent Wireless Monitoring System for SafeHaven Women Student Details | TNSCST | 2023-2024 | 9762 | Applied |
| 8. | The Development of a smart Moisture Monitoring System for Precision Agriculture | TNSCST | 2023-2024 | 10000 | Applied |
| 9. | INC23CTN033718 - Novel Peritoneal Dialysis Care Using Artificial Intelligence (AI) | MSME | 2023-2024 | 14.15Lakhs | Applied |
| 10. | Empowering Women's Safety and Smart Train Operations through LiFi Technology and Automatic Accident Prediction | MSME IDEA HACKATHON 3.0 (Women) | 2023-2024 | 15,63,000 | Applied |
| 11. | Intelligent monitoring system for NICU (Neonatal Intensive Care Unit) using SMCC | MSME Idea Hackathon-2023 | 2023-2024 | 12,77,180 | Applied |
| 12. | Contactless ATM Monitoring System With Theft Detection | PATENT | 2022-2023 | - | First Examination Report generated |
| 13. | Empowering Women's Safety and Smart Train Operations through LiFi Technology and Automatic Accident Prediction | MSME IDEA HACKATHON 3.0 (Women) | 2023-2024 | 15,63,000 | Applied |

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|-----|---|--------------------------|-----------|-----------|---------|
| 14. | Intelligent monitoring system for NICU (Neonatal Intensive Care Unit) using SMCC | MSME Idea Hackathon-2023 | 2023-2024 | 12,77,180 | Applied |
| 15. | LiFiRail SAFE: Empowering Women's Safety and Smart Train Operations through LiFi Technology and Automatic Accident Prediction | CSIR | 2022-2023 | 70,000 | Applied |
| 16. | Intelligent Wireless Monitoring System using Artificial Intelligence for Smart Borewell Chip Rescue | TNSCST | 2022-2023 | 10000 | Applied |
| 17. | Traffic free monitoring and Transmission device for public places using Li-fi in vehicular communication | MSME Idea Hackathon-2022 | 2021-2022 | 2 Lakhs | Applied |

6. Ph.D. guidance

| Sl.No | Scholar name | University | Topic | Status |
|-------|--------------|------------|-------|--------|
| - | - | - | - | - |

7. Short term Courses / Seminars /FDP/Workshop/ConferenceAttended:

| Sl.No | Title of the event | Organized by | Date | |
|-------|--|---|------------|------------|
| | | | From | To |
| 1. | International conference on Smart Technologies in Electronics and Photonics Systems, April 2025 | Ramco Institute of Technology | 03.04.2025 | 04.04.2025 |
| 2. | FDP on Reconfigurable Intelligent Surfaces for 6G Wireless Communication: Fundamentals to Future Research Directions | National Institute of Technology, Tiruchirappalli | 23.12.2024 | 28.12.2024 |
| 3. | FDP on Beyond Moore's Law: Machine Learning-Driven Approaches to Semiconductor Design | KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY | 16.12.2024 | 21.12.2024 |
| 4. | International Conference on Communication, Computing & Industry 6.0 | CMR Institute of Technology, Bengaluru | 06.12.2024 | 07.12.2024 |
| 5. | Signal Processing in Physical Layer of Futuristic Wireless Communication | Thiagarajar College of Engineering, | 14.06.2024 | 18.06.2024 |

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| 6. | International Conference on Advanced Computing and Communication Systems, October 2024 | Sri Eshwar College of Engineering | 14.03.2024 | 15.03.2024 |
| 7. | STTP on “NI Labview Applications using myDAQ and myRIO” | Ramco Institute of Technology | 27.08.2024 | 31.08.2024 |
| 8. | IEEE SPS seasonal School on “Signal Processing in Physical Layer of Futuristic Wireless Communication” | Thiagarajar College of Engineering | 14.06.2024 | 18.06.2024 |
| 9. | A five day STTP on “Advancement in photonics and Optical Networks” | Ramco Institute of Technology | 19.02.2024 | 23.02.2024 |
| 10. | Five Day FDP on Advanced Research in Biomedical Engineering | Saveetha Engineering College | 29.01.2024 | 02.02.2024 |
| 11. | Learning (ATAL) Academy Faculty Development Program on Analog and Digital Design Flow for SoC Design and Application | P.S.R.ENGINEERING COLLEGE | 27.11.2023 | 02.12.2023 |
| 12. | Train the Trainer program on Digital Productivity and AI Fluency under the Faculty Development Programme | NaanMudhalvan | 06.10.2023 | 14.10.2023 |
| 13. | Faculty Competence Enhancement- Reverse Engineering | Ramco Institute of Technology | 08.09.2023 | 09.09.2023 |
| 14. | FDP on “Design of Electric Vehicles using Matlab Simulink” | Ramco Institute of Technology | 24.07.2023 | 26.07.2023 |
| 15. | Analog Circuits and System through Spice Simulation | NPTEL IIT Madras | Jan- 2023 | Apr 2023 |
| 16. | An Integrated Approach to Reviewing Your Paper: Leveraging the Power of Citation Tools and ChatGPT | Rajeev Gandhi College Of Management Studies | 10.04.2023 | - |
| 17. | Industrial Applications of Machine Learning and Challenges | Government Engineering College Rajkot | 30.07.2023 | |
| 18. | International Conference on Advanced Computing and Informatics (ICACI-2022) | SIMATS School of Engineering | 09.09.2023 | 10.09.2023 |
| 19. | Five Day Faculty Development Programme on Recent Trends in 5G Communication Networks | Sairam Engineering College | 26.12.2022 | 30.12.2022 |
| 20. | 6 Days FDP on Awareness Electronics Tools for System Design | Sairam Institute of Technology | 19.12.2022 | 24.12.2022 |
| 21. | Integrating terrestrial and Non Terrestrial Networks | IEEE VTS Madras Section chapter | 20.12.2022 | - |

Updated as on 06.04.2026

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| 22. | “Primary Aspects of Paper Writing” | Kalinga Institute of Industrial Technology Deemed to be Autonomous | 20.12.2022 | - |
| 23. | Two day National level (online) Workshop on “Role of NAAC in Enhancing Quality in Higher Education Institutions” | Ramco Institute of Technology | 16.12.2022 | 17.12.2022 |
| 24. | Reconfigurable Intelligent and Holographic Surface for Wireless Communication | IEEE Madras Section Vehicular Technology Society Chapter | 02.12.2022 | - |
| 25. | International Seminar on Quality Assurance through Accreditation | NITTR, Chennai | 24.11.2022 | - |
| 26. | Webinar on Excellence in Teaching, Training and Research | Bharat Institution | 23.07.2022 | - |
| 27. | Search Strategies to personalize your Research Experience | IEEE Advancing Technology for Humanity | 22.07.2022 | - |
| 28. | Tips and Best practices to get published from IEEE editors | IEEE Advancing Technology for Humanity | 22.07.2022 | - |
| 29. | One day Workshop on “TinyML for scientific use cases” | IEEE Student branch and ISTE faculty chapter | 25.07.2022 | - |
| 30. | Artificial Intelligence and Machine Learning | PALS | 21.02.2022 | 25.02.2022 |
| 31. | One Week International Workshop on “Machine Learning & Its Applications” | Indira Gandhi National Tribal University, Amarkantak | 24.01.2022 | 28.01.2022 |
| 32. | Seminar on “Funding Opportunities” | Kalasalingam Academy of Research and Education | 21.01.2022 | - |
| 33. | FDP on “Recent Developments in IoT” | AICTE. | 17.01.2022 | 21.01.2022 |
| 34. | Seminar on Immunizing Cyber Security | University College of Engineering Thirukkuvalai | 12.01.2022 | - |
| 35. | 2nd International Conference on New Computer Science and Engineering Trends (NCSET2021) | World Advanced Science | 30.12.2021 | - |
| 36. | Foundations of Data science and Machine learning for Cross Domain Applications | ATAL FDP PSG College of Technology, Coimbatore | 27.12.2021 | 31.12.2021 |
| 37. | FDP on “Cognitive Load Theory and Application” | National Institute of Technology Durgapur | 21.12.2021 | 25.12.2021 |

Updated as on 06.04.2026

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| 38. | Innovation Ambassador training (Foundation Level) | MoE's Innovation Cell & AICTE | 30.06.2021 | 30.07.2021 |
| 39. | Anna University six Days FDTP program on Discrete Time Signal Processing | Department of ECE, K.L.N.College of Engineering | 31.05.2021 | 05.06.2021 |
| 40. | short term training program on "Internet of things Based Automation using Machine Learning" | Hindustan College of Engineering and Technology | 19.04.2021 | 24.04.2021 |
| 41. | Online FDP on "Robotics" | ATAL FDP | 08.12.2020 | 12.12.2020 |
| 42. | STTP on Cyber Security | P.S.R Engineering College | 23.11.2020 | 28.11.2020 |
| 43. | FDP on Recent trends in Computer Architecture, VLSI and Embedded Systems | Department of ECE, GRIET | 08.06.2020 | 13.06.2020 |
| 44. | Analog VLSI Design Flow Specs to Final Product from Industry Perspective | IEI ECE Student Chapter, GRIET | 07.06.2020 | - |
| 45. | Modern Antenna Design Challenges | Department of ECE, Kings College of Engineering | 06.06.2020 | - |
| 46. | FDP on Recent Trends in VLSI | Department of ECE, GRIET | 02.06.2020 | 07.06.2020 |
| 47. | Seminar on "Satellite Technologies and it's applications" | Mountzion College of Engineering and Technology | 31.05.2020 | - |
| 48. | Accelerating Industry 4.0 - A Post Covid Paradigm | ICTCADEMY | 25.05.2020 | 29.05.2020 |
| 49. | Education, Employment & Entrepreneurship | ICTCADEMY | 11.05.2020 | 15.05.2020 |
| 50. | Faculty Development Program on eSim | Department of ECE, K.L.N. College of Engineering, | 06.05.2020 | 08.05.2020 |
| 51. | The Future of Education, Employment & Entrepreneurship | ICTCADEMY | 04.05.2020 | 08.05.2020 |
| 52. | Examination Reforms | AICTE. | 29.04.2020 | 02.05.2020 |
| 53. | FDP on "Moodle Learning Management System" | Department of Computer Science, Kaypeeyes College of Arts & Science, Kotagiri, | 29.04.2020 | 01.05.2020 |
| 54. | The Future is here now | ICTCADEMY | 27.04.2020 | 31.04.2020 |
| 55. | Theme Leading in the VUCA world | ICTCADEMY | 20.04.2020 | 24.04.2020 |
| 56. | FDP on "Industrial Internet of Things" | AAA College of Engineering and Technology | 16.01.2019 | 17.01.2019 |
| 57. | Short term training program on "Advanced Verilog Programming" | Learn Bench India, Chennai | 14.06.2017 | 01.07.2017 |

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| 58. | STTP on “CMOS Mixed Signal and Radio Frequency VLSI design | IIT Karagpur | 30.01.2017 | 04.02.2017 |
| 59. | workshop on “Introduction to Robotics” | Eyantra held at Mepco Schlenk Engineering College | 16.03.2015 | 17.03.2015 |
| 60. | workshop on “Introduction to Robotics” | Eyantra held at Mepco Schlenk Engineering College | 29.06.2015 | 30.06.2015 |
| 61. | Faculty Development Training Programme on VLSI Design | National Engineering College | 01.12.2015 | 08.12.2015 |
| 62. | Faculty Development Training Programme on Electronic Circuits-I | Anna University Chennai | 23.06.2014 | 28.06.2014 |
| 63. | Seminar on OrCAD PSPICE & OrCAD PCB | Entuple Technologies Pvt. Ltd. | 22.06.2015 | 28.06.2015 |

8. Short term Courses / Seminars /FDP/Workshop/Conference organized:

| Sl.No | Title of the event | Organized by | Date | |
|-------|---|-------------------------------|------------|------------|
| | | | From | To |
| 1. | International conference ICSTEPS 2024 | Ramco Institute of Technology | 03.04.2025 | 04.04.2025 |
| 2. | Hands on Circuit Design and Simulation with proteus software | Ramco Institute of Technology | 26.02.2025 | 28.02.2025 |
| 3. | Value Added Course on Microprocessor and Microcontroller | Ramco Institute of Technology | 03.02.2025 | 07.02.2025 |
| 4. | RIT Electronica Circuit Design and Simulation with Proteus Software | Ramco Institute of Technology | 16.11.2024 | - |
| 5. | Innovative Technical Paper Presentation | Ramco Institute of Technology | 15.10.2024 | - |
| 6. | Technical Quiz | Ramco Institute of Technology | 09.09.2024 | - |
| 7. | A five day Non Teaching staff STTP on “Troubleshooting, Debugging and designing skills” | Ramco Institute of Technology | 04.03.2024 | 08.03.2024 |
| 8. | A five day STTP on “Advancement in photonics and Optical Networks” | Ramco Institute of Technology | 19.02.2024 | 23.02.2024 |
| 9. | Techyuga- Symposia- Display of Technical Information | Ramco Institute of Technology | 08.03.2024 | - |
| 10. | Atal FDP on “Trends in 5G networks” | Ramco Institute of Technology | 18.12.2023 | 23.12.2023 |
| 11. | Guest Lecture on “ADAS & Connected Cars” | Ramco Institute of Technology | 26.09.2023 | - |

Updated as on 06.04.2026

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| 12. | FDP on “Application of Matlab in Research perspective” | Ramco Institute of Technology | 21.06.2023 | 23.06.2023 |
| 13. | Interactive Simulation of Basic Electronic Circuits Programme for school students | Ramco Institute of Technology | 28.04.2023 | 29.04.2023 |
| 14. | one day National level workshop on “Journal Paper Writing” | Ramco Institute of Technology | 10.02.2023 | - |
| 15. | ISTE National level Srinivasa Ramanujan Mathematical Competition | Ramco Institute of Technology | 27.01.2023 | - |
| 16. | Seminar on “ How to prepare a Resume | Ramco Institute of Technology | 28.10.2022 | - |
| 17. | Value added Course IVA085Design and Analysis of MOS circuits | Ramco Institute of Technology | 01.08.2022 | 06.08.2022 |
| 18. | Short Term course on “Design and Analysis of MOS Circuits” | Ramco Institute of Technology | August 2022 | - |
| 19. | FDP on Antenna and Microwave Engineering | Ramco Institute of Technology | 20.06.2022 | 25.06.2022 |
| 20. | Augmentative Presentation on IETE Student Chapter | Ramco Institute of Technology | 26.02.2022 | - |
| 21. | Project Expo IETE Student Chapter | Ramco Institute of Technology | 28.04.2022 | - |
| 22. | Technical Quiz ISTE | Ramco Institute of Technology | 26.03.2022 | - |
| 23. | International Conference on Smart Technologies and Application 2022 (ICSTA 2022) | Ramco Institute of Technology | 11.03.2022 | 12.03.2022 |
| 24. | Hands on session of Working with different color modes for web/social media /print media | Ramco Institute of Technology | 28.02.2022 | - |
| 25. | SCIENCE DAY 2021 | Institutions Innovation Council AAA College of Engineering and Technology | 12.03.2021 | - |
| 26. | Innovative idea Competition-ECE Creative Minds 2021 | Institutions Innovation Council AAA College of Engineering and Technology | 22.01.2021 | - |
| 27. | An Experimental Model Display Contest: TECHNOFEST-2021 | Institutions Innovation Council AAA College of Engineering and Technology | 22.01.2021 | - |

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| 28. | Students Association Inauguration 2021-2022 | Department of ECE, AAA College of Engineering and Technology | 22.01.2021 | - |
| 29. | National Level Technical Symposium VALIANT 2020 | Department of ECE, AAA College of Engineering and Technology | 31.01.2020 | 01.02.2020 |
| 30. | Five Days Workshop on "Salesforce ADX-201" | Department of ECE, AAA College of Engineering and Technology | 25.11.2019 | 30.11.2019 |
| 31. | Two day workshop on "Mobile Controlled Robotics" | Department of ECE, AAA College of Engineering and Technology | 07.03.2016 | 08.03.2016 |
| 32. | Two day workshop on "Quadcopter development workshop cum championship" | Department of ECE, AAA College of Engineering and Technology | 17.08.2016 | 18.08.2016 |

9. Online Courses

| Sl.No | Course title | University | Date |
|-------|--|---|---------------|
| 1. | Supervised Machine Learning: Regression and Classification | Coursera | 07.01.2025 |
| 2. | Wireless 5G Overview | Infosys Spring Board | 26.09.2024 |
| 3. | Wireless 4G-5G enabling technologies | Infosys Spring Board | 18.05.2024 |
| 4. | Differential Equations Part II Basic Theory | Kaist University Coursera | 20.10.2023 |
| 5. | Differential Equations Part I Basic Theory | Kaist University Coursera | 27.07.2023 |
| 6. | Analog Circuits and System through Spice Simulation | NPTEL IIT Madras | Jan- Apr 2023 |
| 7. | Google Cloud Certification Course –Data Analytics | Coursera | Jan-June 2023 |
| 8. | Google Cloud Certification Course | L4G Solutions Pvt Ltd | 08.12.2022 |
| 9. | Scientific Writing in Health Research | ICMR-National Institute of Epidemiology | December 2022 |
| 10. | Machine Learning Onramp | Mathworks | 11.07.2022 |
| 11. | Introduction to IoT | Cisco Networking Academy | 23.07.2022 |
| 12. | How to write an abstract and improve your article | Researcher Acahemy | 22.07.2022 |
| 13. | Structuring your article correctly | Researcher Acahemy | 07.02.2022 |
| 14. | Machine Learning for all | University of London | 18.01.2022 |
| 15. | MATLAB Fundamentals | Mathworks | 18.12.2021 |
| 16. | MATLAB Onramp | Mathworks | 09.12.2021 |

Updated as on 06.04.2026

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| 17. | Internet of Things and Embedded Systems | University of California, Irvine | 29.06.2020 |
| 18. | CMOS VLSI Design | NPTEL IIT Guhawati | 2020-2021 |
| 19. | Digital Circuits | NPTEL IIT Kharagpur | 2019-2020 |

29. Patents filed/ awarded:

- Submitted Patent in the title of “**AI-Driven Tuberculosis Detection Using Deep Neural Networks**” on June 2024.
- Submitted Patent in the title of “**Contactless ATM Monitoring System with Theft Detection**” on June 2023.

30. Membership in Professional societies:

- The Society of Digital Information and Wireless Communications

12. Awards, Recognition & Achievements:

Any others (Board of studies/Governing Council/Staff Selection/Reviewer/other duties)

Awards: I have participated in “**e-yantra Task Based Training Program**” and won **Class C** Award with Cash Prize from IIT Roorkee

Achievements: Graduated with 44th **Anna University Rank** in the Degree of Master of Engineering in **VLSI DESIGN** programme under the Regional office of Anna University, Madurai.

Acted as a mentor for students in DST and Texas Instruments Innovation Challenge Design Contest 2019 powered by AICTE and anchored by NRCEL@IIMB

Other Responsibilities:

Responsibilities in Ramco Institute of Technology

- NBA Criteria 9 Student Support Systems (2023-2024)
- NBA Criteria 6 Facilities and Technical Support (2022-2023)
- Admission Data Distribution Committee
- Faculty Online Course In-Charge
- Timetable Coordinator
- ISO Department Coordinator (2021-2022) &(2022-2023)

Responsibilities in AAA College of Engineering:

- IIC Ambassador
- IIC Coordinator
- Timetable Coordinator
- News Letter Coordinator
- Association Coordinator
- Class Advisor
- Proctor

