

BIO DATA

Name : Dr.R.Ramalakshmi

Designation : Assistant Professor (III)

Department : Electronics and Communication Engineering

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Google Scholar Link: <https://scholar.google.com/citations?user=0nRzC88AAAAJ&hl=en>

1. Educational Qualification :

Degree	Branch / Specialization	Institute/University	Year of Passing
B.E.	Electronics and Communication Engineering	Anand Institute of Higher Technology, Anna University	2005
M.E	Communication Systems	National Engineering College, Anna University	2014
Ph.D	Communication Systems	Anna University	2025

2. Professional/ Industry Experience : (in chronological order)

S.No	Designation	Institution/ Organization	Period	
			From	To
1.	Assistant Professor (III)	Ramco Institute of Technology	10.10.2024	Till Date
2.	Assistant Professor (Sr.Gr.)	Ramco Institute of Technology	01.01.2023	09.10.2024
3.	Assistant Professor	Ramco Institute of Technology	01.06.2015	31.12.2022
4.	Assistant Professor	Renganayagi Varatharaj College of Engineering	25.06.2014	22.05.2015
5.	Customer Service Executive	MMC Infotech Services Pvt Limited, Chennai	01.11.2007	10.07.2010
6.	Graduate Trainee	Tata Teleservices Limited, Chennai	16.08.2005	14.08.2006

3. Research Interest

Area of Wireless Communication & Networks

Updated as on 06.04.2026

4. Publications

4.1. JOURNAL PUBLICATIONS

1. R.Ramalakshmi, S.Poonkodi, R.Pramila & S.Praveena “Conductor Backed CPW fed Bowtie Slot Antenna for Breast Cancer Detection”, VD Good journal of Computer Science Engineering, Volume I, Issue 1, April 20, 2020, Pg no: 285-289. (Peer Reviewed Journal).
2. D.Gopinath, S.Vijayakumar, R.Ramalakshmi, M.Jeevalingesh & D.Janarthanan, “Implementation of Internal and External Border Gateway Protocol for Efficient Traffic Flow using MPLS L3 VPN in Green Network” published in the Journal of Green Engineering in the month of June 2020. (Scopus)
3. R.Ramalakshmi, S.Tamil Selvi “Energy Efficient Techniques in 5G Wireless Communication – A Survey” International Journal of Scientific Research and Review, Volume 9, Issue 9, pp : 22-30 September 2020, ISSN: 2279-543X (Peer Reviewed Journal).
4. R.Ramalakshmi, S.Tamil Selvi "Spectrum Sharing in Cognitive Radio Networks for Next Generation Wireless Communication" Gradiva Review Journal , 2022, DOI:10.37897.GRJ.2021.V8I7.22.50006, ISSN: 0363-8057, Impact Factor: 6.1.(Peer Reviewed Journal).
5. R.Ramalakshmi , K.Ragavan , G.Gnana Priya , V.SrirenaNachiyar, L.Krishna Kumari , Dr.S.Tamil Selvi “Performance Evaluation of Different MIMO Systems” Journal of Pharmaceutical Negative Results, 2023 DOI:10.47750/pnr.2023.14.S02.160. (Peer Reviewed Journal).
6. R.Ramalakshmi, S.Tamil Selvi "Spectral efficiency analysis on massive MIMO filter bank" International Journal of Electronics, <https://doi.org/10.1080/00207217.2024.2372059>.(SCIE).
7. Chairma Lakshmi K R, Poomani Alias Punitha Murugesan, Callins Christiyana Chelladurai, A Chilambuchelvan, R. Ramalakshmi, N Padmavathi, “Nonlinear Matlab/Simulink-Based Mathematical Modeling of Solar Photovoltaic Modules for Power Generation”, Communications on Applied Non-Linear Analysis, Vol.31, No.2, 2024, DOI: <https://doi.org/10.52783/cana.v31.575>. (Scopus).
8. R.Ramalakshmi, "Exploring 5G Spectrum on Optimized Turbo Codes for Spectrum Allocation in Next-Generation Wireless Communication", ICTACT Journal on Communication Technology, December 2024, Vol.15, Issue 4 (UGC Journal).
9. R.Ramalakshmi, Hima Gnanadhas Sobhinosannal, Krishna Prakash Arunachalam & Arthi Kalidasan, "Secure healthcare data sharing for the Internet of Things scenario using encryption and optimal routing", Journal of the Chinese Institute of Engineers, <https://doi.org/10.1080/02533839.2025.2565365>.(SCIE).

10. Suvitha.S, Ramalakshmi.R, Krishnaprakash.A & Venkatesh.R, " Liver cancer classification using archery learning and enhanced bilinear convolutional neural network", Intelligent Data Analysis, <https://doi.org/10.1177/1088467X251365104>. (SCIE & WoS).
11. V.S.S.P. Raju Gottumukkala, D.R. Denslin Brabin, M Kavitha, K. C. Rajheshwari & R. Ramalakshmi, "Adaptive Deep Reinforcement Learning for Personalized Cognitive Behavioral Therapy via Mobile Health Platforms", Testing, Psychometrics, Methodology in Applied Psychology, Vol 32, Issue 2.
12. R.Ramalakshmi, S.Tamil Selvi "Fuzzy C-Means–Based User Clustering for Channel Interference Minimization in Massive MIMO-NOMA" International Journal of Communication Systems, vol.39, Issue 4, <https://doi.org/10.1002/dac.70436>. (SCIE).

4.2. CONFERENCE PUBLICATIONS

1. Ramalakshmi R, 2014, Coordinated concealment strategy for secure communication in cognitive radio network, International Conference on Emerging Trends in Science, Engineering, Business and Disaster Management, Noorul Islam University, Kumaracoil.
2. Ramalakshmi R, Petchiammal R, Subalakshmi V and Sugantha Priya G, 2019, Kinesics Controlled Car for Paraplegic Person, National Conference on Challenges and Innovations in Information Technology, Kongu Engineering College, Erode.
3. Ramalakshmi R, Anupriya M, Jeyaselvi S and Kalaiarasi R, 2018, Automatic Gas Leakage Detection, Alerting and Booking System Using GSM, National Conference on Advanced Technologies in Robotics and Industrial Automation, SNS College of Technology, (Autonomous), Coimbatore.
4. Ramalakshmi R, Pavithra S, Pritha, S and Sanghavi K, 2018, Microcontroller Based Gesture Controlled Car, National Conference on Innovations in Communication Technology for Social Development, Ramco Institute of Technology, Rajapalayam.
5. R.Ramalakshmi, S.Poonkodi, R.Pramila & S.Praveena "Conductor Backed CPW fed Bowtie Slot Antenna for Breast Cancer Detection", in 7thNational Conference on Advance Computing and Technologies (NCACT20).
6. R.Ramalakshmi, Libiya Joseph & S.Mahalakshmi "Dynamic Spectrum Sharing Using Cognitive Radio Networks in 5G Technology" in the Virtual National Conference on "Signal Processing and Communication Technologies" (CSPCT'21) organized by Kamaraj College of Engineering and Technology on 23.04.2021.
7. R.Ramalakshmi, S.Pradeepa, V.Priya & K.Sangavi "Drowsiness Detection of Driver" in the Virtual Conference on Smart Computing & Advanced Communication" (SCAC'21) organized by PSNA College of Engineering and Technology on 31.03.2021.
8. R.Ramalakshmi, S.Tamil Selvi presented a paper titled "System Model for Spectral and Energy Efficient Massive MIMO System" in "ICEmTASS - IEEE

International Conference on Emerging Technologies and Applications for a Smart and Sustainable World” during December 16-18 2021 in National Engineering College, Kovilpatti. (Received Best Paper Award).

9. R.Ramalakshmi, L.Nirmala & T.Vidhula presented a paper titled " IoT based Requisite Usage of Welfare Equipment for Alcohol and Accident Detection" in the International Conference on Smart Technologies and Applications (ICSTA 2022) organized by Ramco Institute of Technology, Rajapalayam during March 11 - 12, 2022.
10. R.Ramalakshmi, L.Nirmala, T.Vidhula presented a paper titled “Multipurpose Embedded Based Hand Gesture Application for Physically Disabled People” in ISTE Sponsored Two Days National Level Conference on “Emerging Trends in Engineering Design and Manufacturing ETEDM-22” organized by Hindusthan Institute of Technology, Coimbatore during 15.06.2022 to 16.06.2022.
11. R.Ramalakshmi, M.Sathis Kannan, S.Uvasri presented a paper titled “An Accurate Prediction of Bitcoin Price Using Data Science and Deep Learning” in International Conference on Engineering and Innovative Research ICEIR 2022 organized by Kathir College of Engineering, Coimbatore held on 25.05.2022.
12. K.Ragavan , R.Ramalakshmi, V.SrirengaNachiyar, G.Gnana Priya , K.Jeyageetha presented a paper titled "Smart Health Monitoring System in Intensive Care Unit Using BLE Technology and MQTT Protocol" in IEEE Sponsored 5th International Conference Smart Systems and Inventive Technology ICSSIT 2023 Organized by Francis Xavier Engineering College, Tirunelveli on 25.01.2023 published in IEEE Xplore, March 2023 (Scopus Indexed) DOI: 10.1109/ICSSIT55814.2023.10061050.
13. L.Krishnakumari, R.Ramalakshmi, V.SrirengaNachiyar, K.Ragavan, K.Ramalakshmi presented a paper titled "Analysis of Liver Tumor Segmentation Using Deep Resunet" in IEEE Sponsored 3rd International Conference "Artificial Intelligence and Smart Energy" ICAIS 2023 organized by JCT College of Engineering and Technology, Coimbatore on 04 February 2023. published in IEEE Xplore, March 2023 (Scopus Indexed) DOI: 10.1109/ICAIS56108.2023.10073676.
14. R.Ramalakshmi, M.Anudharshini, K.Gayathri presented a paper titled "A Hybrid Sunflower Optimization Algorithm for Cluster Head Selection in the Internet of Things" in ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology(ICLTST'23) organized by Karpagam Institute of Technology, Coimbatore during 05.05.2023 - 06.05.2023.
15. R.Ramalakshmi, M.Sabriyah, P.Sneha presented a paper titled "Interoperative Biopsy Site Relocalization in Endoscope for Gastro Intestinal Tract Using DLT" in ISTE Sponsored 9th International Conference on Latest Trends in Science, Engineering and Technology(ICLTST'23) organized by Karpagam Institute of Technology, Coimbatore during 05.05.2023 - 06.05.2023.
16. P.Geetha, N.Jayanthi ,R.Sarasu, L.P.Sajitha, R.Ramalakshmi & L.Manimegalai published a paper titled “Robust Spectral Efficiency Maximization in 5G Networks using Non-linear

Stochastic Precoding” in the 2nd IEEE International Conference Proceedings on Disruptive Technologies (ICDT-2024) Organized by GL Bajaj Institute of Technology and Management, Greater Noida on April 11, 2024. DOI: 10.1109/ICDT61202.2024.10489234.

17. R.Ramalakshmi, Prashant Kumar Gangwar, Oluwadare Joshua Oyebo, Balamurugan Easwaran & Baby Shamini.P published a paper titled “IOT-Enhanced Wastewater Management Using CRNN Towards Sustainable Smart Cities” in the 2nd IEEE International Conference Proceedings on Disruptive Technologies (ICDT-2024) Organized by GL Bajaj Institute of Technology and Management, Greater Noida on April 11, 2024. DOI: 10.1109/ICDT61202.2024.10489224.
18. Rukmani Devi, Theodore Kingslin, C.Vimala Josphine, Kirankumar Manivannan, A.Rajavel & R.Ramalakshmi published a paper titled "Deep Learning and IoT for COVID Detection and Health Monitoring" in Third IEEE International Conference Proceedings on Innovative Mechanisms for Industry Applications ICIMIA Organized by Dayananda Sagar College of Engineering, Bengaluru on April 18, 2024.DOI: 10.1109/ICIMIA60377.2023.10425925.
19. R.Ramalakshmi, S.Narendran, D.Padmash & R.S.Ramkumar presented a paper titled “ESN for Intrusion Detection in Federated Machine Learning” in the 4th Springer International Conference on Artificial Intelligence and Smart Energy (ICAIS 2024), organized by JCT College of Engineering and Technology during March 22-23, 2024.
20. R.Ramlakshmi, B.Akshiya Rajasri, B.R.Gunaksha presented a paper titled " Fingerprint and Face Detection with Self Banking Biometric and GSM Technology" in 1st IEEE International Conference on Advanced Computing & Emerging Technologies (ACET-2024), organized by Department of CSE, Ajay Kumar Garg Engineering College Ghaziabad U.P, India.by 3rd July 2024.
21. R.Ramalakshmi, B.Jebapriya, B.Karpaga Vanitha and M.Meera Yasmeen presented a paper titled "Wild Animal Intrusion Detection and Deterrence System for Forest Boundaries Using YoloV5 ", in the International Conference on Smart Technologies in Electronics and Photonics Systems (ICSTEPS2025) organized by the Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam held on 3rd & 4th, April 2025.
22. R.Ramalakshmi, P.Nithish Kumar, S.Sastha Venkatesh and N.Yogesh presented a paper titled "Employee Behaviour Monitoring System: Real Time Detection of Distractions Using Open CV", in the International Conference on Smart Technologies in Electronics and Photonics Systems (ICSTEPS2025) organized by the Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam held on 3rd & 4th, April 2025.
23. R.Ramalakshmi, B.Sankara Gomathi & S.Sridevi Natchiyar Presented a Paper Titled "Design of AI-Driven Eye Gesture Interface for Hands-Free Computer Control" in the IEEE International Conference on Future and Advanced Computing Technologies Organized by

the Department of ECE, Kalasalingam Academy of Research and Education on March 26-27 2026.

24. R.Ramalakshmi, K.S.Hareesh Kumar. V.Aswin Vinex & M.Bratheep Presented a Paper Titled "System-Level Modeling and End-to-End Evaluation of 5G Networks in NS-3: Access Technologies,Scheduling, Network Slicing, and Core VNF Scaling" in the IEEE International Conference on Future and Advanced Computing Technologies Organized by the Department of ECE, Kalasalingam Academy of Research and Education on March 26-27 2026.

4.3. Book/Book chapter publications

- Prepared Monograph for EC8351 Electronic Circuits I.
- Prepared manual for ATAL Tinkering Lab for the experiment “Humidity and Temperature Measurement Using Arduino Uno”.
- Published a book chapter titled "Dynamic Spectrum Sharing Using Cognitive Radio Networks in 5G Technology" in Advances in Computing, Electrical, Electronics, Mechanical and Communication Sectors published by Central West Publishing, Australia in July 2023, ISBN (print): 978-1-922617-43-9.
- Ramalakshmi, R., Narendran, S., Padmesh, D., Ramkumar, R.S. (2024) published a book chapter titled “ESN for Intrusion Detection in Federated Machine Learning” Proceedings of 4th International Conference on Artificial Intelligence and Smart Energy (ICAIS 2024), Information Systems Engineering and Management, vol 3. Springer, Cham. https://doi.org/10.1007/978-3-031-61471-2_34. pp 451-461. Online ISBN: 978-3-031-61471-2. First Online: 12.06.2024.
- A. Shenbaga Bharatha Priya, Indra Singh Bisht, N. Balambigai, Sumit Kataria, R. Ramalakshmi published a book chapter titled “Optimization Techniques for Energy Management in Microgrid” in the book titled “Cyber Physical Energy Systems”, Chapter2,PP(37.70),<https://onlinelibrary.wiley.com/doi/book/10.1002/9781394173006>.
- Prepared Value Added Course Manual for 2 experiments - Battery Level Indicator Using LED & Solar Mobile Phone Charger.
- Prepared manual for EC3501 Wireless Communication Laboratory.(Copyright Filed and Granted).

5. Funded Projects

S.No.	Title of theproject	Funding Agency	Duration	Amount	Status
1.	Dynamic Spectrum Sharing Using Cognitive Radio Networks in 5G Technology	FAER	6 Months	Rs.5,000	Completed and received the certificate

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2.	Next Generation Wireless Technologies for Internet of Things	CSIR	-	Rs.50,000	Applied
3.	IOT Based Livestock Movement Monitoring and Management System	TNSCST	-	Rs.10,000	Applied
4.	Enabling Sustainable IoT in Future Generation Wireless Communication by Massive Wireless Energy Transfer	FAER	-	Rs.5,000	Applied
5.	Internet of Things (IoT) for Next Generation Smart Systems	SERB	-	Rs.22,000	Applied
6.	Fingerprint and Face Detection with Self Banking Biometric and GSM Technology	FAER	-	Rs.5,000	Completed and received the certificate

6. Ph.D. guidance

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

7. Short term Courses / Seminars /FDP/Workshop/Conference Attended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1	Seven Days FDTP on “Communication Theory”	Kamaraj College of Engineering and Technology	04.01.2016	10.01.2016
2	Seven Days FDTP on “Principles of Digital Signal Processing”	Ramco Institute of Technology	03.06.2015	10.06.2015
3	Two Days National Level Workshop on “ Embedded Systems & its Applications	Ramco Institute of Technology	21.12.2015	22.12.2015

4	NI Lab VIEW Core1 & Core2 course	Ramco Institute of Technology	15.06.2015	19.06.2015
5	Awareness & Internal Auditor Training on ISO 9001:2015	Ramco Institute of Technology & TUV Rheinland	18.12.2015	19.12.2015
6	FDP on Training the Trainers	Ramco Institute of Technology	22.06.2015	23.06.2015
7	Workshop on “Highly Effective Teaching and Learning Methodology”	Ramco Institute of Technology	2 Days (2015-2016)	-
8	Research Issues in Antenna Design for Wireless Applications	Mepco Schlenk Engineering College (Autonomous), Sivakasi	27.11.2017	01.12.2017
9	Faculty Development Programme on RF and Microwave Engineering	Ramco Institute of Technology, Rajapalayam	12.06.2017	16.06.2017
10	AICTE sponsored Faculty Development Programme on Human Values and Ethics	Ramco Institute of Technology, Rajapalayam	30.10.2017	12.11.2017
11	Convex Optimization for 5G Wireless Communications – Theory and Practice	Thiagarajar College of Engineering, Madurai	21.06.2018	23.06.2018
12	Anna University Approved Two Week Faculty Development Training Programme on EC8451 Electromagnetic Fields	Ramco Institute of Technology, Rajapalayam	03.12.2018	15.12.2018
13	Two Days Workshop on Smart Wireless Technologies with LoRa	Ramco Institute of Technology, Rajapalayam	01.02.2019	02.02.2019
14	Faculty Development Training Programme on Signals and Systems	Ramco Institute of Technology, Rajapalayam	13.06.2018	18.06.2018
15	Workshop on Linear Algebra	Ramco Institute of Technology, Rajapalayam	27.06.2018	28.06.2018
16	Industrial Training at BSNL	BSNL, Virudhunagar	07.06.2018	08.06.2018

17	Industrial Training at Sri Vishnu Shankar Mill	Sri Vishnu Shankar Mill Limited, Rajapalayam	01.06.2017	03.06.2017
18	National Seminar on “Antenna Design for 5G Test Beds”	Velammal College of Engineering and Technology, Madurai	03.08.2019	-
19	National Conference on “Challenges and Innovations in Information Technology”	Kongu Engineering College, Erode	08.03.2019	-
20	National Conference on “Innovations in Communication Technology for Social Development”	Ramco Institute of Technology, Rajapalayam	23.03.2018	-
21	National Conference on “Advanced Technologies in Robotics and Industrial Automation”	SNS College of Technology, Coimbatore	22.03.2018	-
22	One Day Hands on Training on “Analog Discovery Kit”	Ramco Institute of Technology, Rajapalayam	22.06.2019	-
23	Value Added Course on Project Based Learning Using Arduino	Ramco Institute of Technology, Rajapalayam	09.12.2015	13.12.2015
24	Value Added Course on VLSI Design & Simulation	Ramco Institute of Technology, Rajapalayam	14.12.2015	18.12.2015
25	One day orientation and awareness programme on “OBE and SAR Preparation”	Ramco Institute of Technology, Rajapalayam	23.11.2019	-
26	RIT – ISTE Faculty Chapter Lecture Series-1 Topic – Traditional Education	Ramco Institute of Technology, Rajapalayam	18.10.2019	-
27	RIT – ISTE Faculty Chapter Lecture Series-2 Topic – Innovative practices for effective teaching and learning	Ramco Institute of Technology, Rajapalayam	29.10.2019	-
28	Art of writing research papers	Chennai Institute of Technology	29.04.2020	-

29	Effective Use of Learning Management System	Ramco Institute of Technology	09.05.2020	-
30	How to formulate a research problem?	Ramco Institute of Technology	13.05.2020	-
31	Recent trends and challenges in optical wireless communication	Easwari Engineering College	14.05.2020	
32	Revolutionary Challenges in 5G Technologies and Impact on COVID'19 Pandemic	Velammal Engineering College, Madurai	27.05.2020	30.05.2020
33	Revolutionary Challenges in Antenna Research and Impact on COVID'19 Pandemic	Velammal Engineering College, Madurai	03.06.2020	06.06.2020
34	Image and Embedded Processing	NITTTR Chandigarh	27.04.2020	01.05.2020
35	Agent based Intelligent Systems	Sathyabama Institute of Science and Technology	04.05.2020	06.05.2020
36	Internet of things	AICTE ATAL	07.05.2020	11.05.2020
37	Technological Interventions Using Wireless Communication	NITTTR Chandigarh	18.05.2020	22.05.2020
38	Evaluation and Setting of Question Papers	NITTTR Chandigarh	25.05.2020	29.05.2020
39	Industrial IoT Using LoRaWAN Technology	Dr.Mahalingam College of Engineering and Technology	26.05.2021	-
40	Getting Aligned to the Publishing Process-Scopus+Science Direct	Elsevier Research Academy	28.09.2020	-
41	Universal Human Value	AICTE	19.10.2020	23.10.2020
42	Machine Learning Using Python	Ramco Institute of Technology, Rajapalayam	08.07.2020	12.07.2020
43	Advanced Communication Laboratory	St.Joseph's Institute of Technology, Chennai	22.07.2020	24.07.2020
44	Wearable Devices	AICTE ATAL	16.11.2020	20.11.2020

45	Advanced Optical Access Networks and its Role in Smart Cities	AICTE ATAL	23.11.2020	27.11.2020
46	AICTE-ISTE Funded Induction Program on “Future Wireless Communication: Standars & Technologies”	K.S.Institute of Technology	24.05.2021	29.05.2021
47	IET Sponsored FDP on “5G Wireless Communications”	Thiagarajar College of Engineering	26.05.2021	-
48	ATAL FDP on “Cognitive Radio, Antennas & Millimetre Wave Communication”	Saranathan College of Engineering	07.06.2021	11.06.2021
49	ATAL FDP on “IoT in 5G Technology”	Silicon Institute of Technology	21.06.2021	25.06.2021
50	How to write a Quality Research Proposal	Ramco Institute of Technology, Rajapalayam	21.12.2021	-
51	A Pedagogy for Effective Use of 5G Communication Network for Cloud Applications	J.N.N College of Engineering, Shimoga	13.07.2021	17.07.2021
52	Math Works Campus-Wide License for MATLAB & Portal Demo	Ramco Institute of Technology, Rajapalayam	15.07.2021	-
53	Various Funding Opportunities in DST for Engineering Institutions	Ramco Institute of Technology, Rajapalayam	06.02.2022	-
54	International Workshop on Current Trends and Future Directions in Underwater Communication - Explore the unseen v4.0	Sri Sivasubramaniya Nadar College of Engineering, Chennai	17.02.2022	18.02.2022
55	Workshop on "Machine Learning: Trends, Perspectives and Prospects	Kumaraguru College of Technology, Coimbatore.	31.05.2022	01.06.2022
56	RF Measurement Devices for 5G - A Hands-on Approach	Ramco Institute of Technology, Rajapalayam	14.02.2022	15.02.2022

57	AICTE Workshop on "UHV Refresher 1 Part 1"	AICTE	07.02.2022	11.02.2022
58	Anna University Sponsored Online Six Days FDP on "EC8701-Antennas and Microwave Engineering"	Ramco Institute of Technology, Rajapalayam	20.06.2022	25.06.2022
59	Math Works Campus-Wide License for MATLAB & Portal Demo	Ramco Institute of Technology, Rajapalayam	15.07.2021	-
60	One Day Workshop on "TinyML for Scientific Use Cases"	Ramco Institute of Technology, Rajapalayam	25.07.2022	-
61	Faculty Training Program on "5G Wireless Communication Technology"	IEEE India Council	28.07.2022	30.07.2022
62	Workshop on Designing and Modelling of IOT, AI & ML Systems	AICTE ATAL Academy, Arm Education & STMicroelectronics	01.08.2022	05.08.2022
63	NAAC sponsored two day national level workshop on "Role of NAAC in Enhancing Quality in Higher Education Institutions"	Ramco Institute of Technology, Rajapalayam	16.12.2022	17.12.2022
64	Primary Aspects of Paper Writing	School of Electronics Engineering, IEEE Antenna Propagation Society Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar	20.12.2022	-
65	Recent Trends in Antenna Design and its applications	Sethu Institute of Technology	29.12.2022	-
66	Webinar on "Nanomaterials for Novel Applications"	Ramco Institute of Technology, Rajapalayam	13.01.2023	-

67	National Level Workshop on "An Overview of Patents & Procedure for Protection "	Ramco Institute of Technology, Rajapalayam	20.01.2023	-
68	Webinar on "Research Proposal Writing"	Ramco Institute of Technology, Rajapalayam	30.01.2023	-
69	One day National level online workshop on Journal Paper Writing	Ramco Institute of Technology, Rajapalayam	10.02.2023	-
70	PALS Project Proposal Writing Workshop	IITM PALS	28.04.2023	29.04.2023
71	3 Day FDP on Applications of Matlab in Research Perspective	Ramco Institute of Technology, Rajapalayam	21.06.2023	23.06.2023
72	Guest Lecture on Guidelines To Write Quality Research Papers & Successful R&D Projects	Ramco Institute of Technology, Rajapalayam	08.07.2023	-
73	Industrial Training at Rajapalayam Mills Limited	Rajapalayam Mills Limited, Rajapalayam	12.07.2023	14.07.2023
74	FDP on "Communication at Work Place"	NITTTR Chandigarh	22.07.2024	26.07.2024
75	FDP on "5G and its Use cases"	NITTTR Chandigarh	29.07.2024	02.08.2024
76	ATAL FDP on "Trends in 5G Networks – Applications in Biomedical Engineering"	Ramco Institute of Technology	18.12.2023	23.12.2023
77	FDP on Wireless Networks	NITTTR, Chandigarh	12.02.2024	16.02.2024
78	Advancements in Photonics and Optical networks	IEEE Photonics Society & Ramco Institute of Technology	19.02.2024	23.02.2024

79	Workshop on Sustainability and SDGs"	IUCEE	01.04.2025	30.06.2025
80	R&D Conclave 2024 for Faculty members and Researchers	Ramco Institute of Technology	26.12.2024	-
81	Extramural Lecture Series (ELS)- Mapping the CDIO Syllabus for Sustainability”	Ramco Institute of Technology	20.12.2024	-
82	Exploring AI Tools for Effective Academics	Ramco Institute of Technology	29.07.2024	-
83	Naan Mudhalvan FDP - EBPL (Design Thinking)	AURC Madurai	10.02.2025	16.02.2025
84	Recent Trends in 5G/6G Wireless Communication	ATAL	06.01.2025	11.06.2025

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

Sl.No	Title of the event	Organized by	Date	
			From	To
1	Value Added Course on Project Based Learning Using Arduino	Ramco Institute of Technology, Rajapalayam	09.12.2015	13.12.2015
2	Value Added Course on VLSI Design & Simulation	Ramco Institute of Technology, Rajapalayam	14.12.2015	18.12.2015
3	Guest Lecture on Embedded System & its Applications in Internet of Things	Ramco Institute of Technology, Rajapalayam	13.04.2017	-
4	National Conference on Innovations in Communication Technology for Social Development - “ICTSD-2018”	Ramco Institute of Technology, Rajapalayam	23.03.2018	-

5	Value Added Course on PLC and Sensors	Ramco Institute of Technology, Rajapalayam	04.12.2017	08.12.2017
6	Value Added Course on Matlab	Ramco Institute of Technology, Rajapalayam	16.11.2018	20.11.2018
7	Guest Lecture on Electronic Circuits	Ramco Institute of Technology, Rajapalayam	19.01.2019	-
8	Guest Lecture on Applications of Signals and Systems	Ramco Institute of Technology, Rajapalayam	20.07.2019	-
9	Engineers Day – Tech Fest	Ramco Institute of Technology, Rajapalayam	14.09.2019	-
10	Role of AI in Hardware Industries	Ramco Institute of Technology	05.06.2020	-
11	Workshop on LabVIEW for Real time applications (MOC Committee)	Ramco Institute of Technology	06.09.2019	07.09.2019
12	Workshop on Quad-Copter (MOC Committee)	Ramco Institute of Technology	12.02.2020	13.02.2020
13	Workshop on Skill Development Programme (MOC Committee)	Ramco Institute of Technology	06.12.2019	-
14	International Web Conference on Smart Engineering Technologies-2020 (Registration Committee)	Ramco Institute of Technology	26.06.2020	27.06.2020
15	Techyuga'19 (Guidance & Discipline Committee)	Ramco Institute of Technology	31.08.2019	-
16	National Science Day (Guidance & Discipline Committee)	Ramco Institute of Technology	28.02.2020	-
17	Life Ahead Covid'19 with Blissful Electronics	Ramco Institute of Technology	20.05.2020	22.05.2020
18	Recent Trends in Medical Electronics	Ramco Institute of Technology	20.10.2020	-
19	Positive Attitude Towards Winning	Ramco Institute of Technology	07.12.2020	-

20	National Web Conference on Challenges and Innovation in Engineering and Technology (NWCCIET'21)	Ramco Institute of Technology	19.03.2021	20.03.2021
21	Spring Tech Fun	Ramco Institute of Technology	28.06.2021	30.06.2021
22	One Day Webinar on “Knowledge with Funny Riddle for RIT Freshers”	Ramco Institute of Technology	05.09.2020	-
23	One Day Webinar on “Technical Fun Activity for RIT Freshers”	Ramco Institute of Technology	05.08.2020	-
24	Advances in Antenna Design for Biomedical Applications (Hall & Seating Arrangement)	Ramco Institute of Technology	29.10.2021	-
25	TechMerize	Ramco Institute of Technology	21.10.2021	-
26	3 rd & 4 th Graduation Day (Photo & Convocation Dress Committee)	Ramco Institute of Technology	17.10.2021	
27	Seminar on “Advances in Antenna Design for Biomedical Applications” (Hall & Seating Arrangement)	Ramco Institute of Technology	29.10.2021	-
28	AICTE, NABARD, BAI Sponsored International Conference on Smart Technologies and Applications (ICSTA 2022) (Press & Report Committee)	Ramco Institute of Technology	11.03.2022	12.03.2022
29	Technical Group Discussion	Ramco Institute of Technology	18.03.2022	-
30	Electra Hackathon	Ramco Institute of Technology	10.02.2023	-

31	Guest Lecture on “Shaping Young Minds”	Ramco Institute of Technology	25.02.2023	-
32	3 Day FDP on Applications of Matlab in Research Perspective (Feedback & Report Preparation)	Ramco Institute of Technology, Rajapalayam	21.06.2023	23.06.2023
33	One Day National level online workshop on Journal Paper Writing (MOC)	Ramco Institute of Technology, Rajapalayam	10.02.2023	-
34	Aptitude Test - IE(I)	15.04.2024	-	Aptitude Test - IE(I)
35	Guest Lecture on “ADAS & Connected Cars”	26.09.2023	-	Guest Lecture on “ADAS & Connected Cars”
36	Technical Poster Presentation	15.11.2024	-	Technical Poster Presentation
37	Empower 360: Skill Enhancement for Non-Teaching Staff”	03.02.2024	07.02.2024	Empower 360: Skill Enhancement for Non-Teaching Staff”
38	ICSTEPS 2025	03.04.2024	04.04.2024	ICSTEPS 2025
39	TNSCST Sponsored Three Days National Workshop on Printed Circuit Board Design & Analysis: from an Idea to Product	26.02.2025	28.02.2025	TNSCST Sponsored Three Days National Workshop on Printed Circuit Board Design &

				Analysis: from an Idea to Product
40	Aptitude Test - IE(I)	15.04.2024	-	Aptitude Test - IE(I)

9. Online Courses:

Sl.No	Course title	University	Date
1	MITx-6.002.1x Circuits and Electronics I:Basic Circuit Analysis	Massachusetts Institute of Technology	14.05.2016
2	MITx-6.002.2x Circuits and Electronics2: Amplification, Speed and Delay	Massachusetts Institute of Technology	08.05.2017
3	MITx -18.01.1x Calculus 1A: Differentiation	Massachusetts Institute of Technology	15.09.2017
4	MITx -18.01.1x Calculus 1B: Integration	Massachusetts Institute of Technology	09.03.2018
5	MITx-18.03Fx Differential equations:Fourier series & partial differential equations	Massachusetts Institute of Technology	21.12.2018
6	MITx-6.002.3x Circuits and Electronics 3: Applications	Massachusetts Institute of Technology	04.06.2019
7	Matlab Onramp Self- paced Training Course	Massachusetts Institute of Technology	23.11.2018
8	MITx-18.01.3x Calculus 1C: Coordinate Systems and Infinite Series	Massachusetts Institute of Technology	12.05.2019
9	MITx-18.031x Introduction to Differential Equations	Massachusetts Institute of Technology	24.12.2019
10	Wireless Communications for Everybody	Yonsei University	03.06.2020

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11	AI for Everyone	Deeplearning AI	12.06.2020
12	Matrix Algebra for Engineers	The Hong Kong University of Science and Technology	18.06.2020
13	Machine Learning with Python: A Practical Introduction	IBM	27.07.2020
14	Transfer Functions and the Laplace Transform	Massachusetts Institute of Technology	01.09.2020
15	Introduction to the Internet of Things	Universitat Politecnica De Valencia	03.12.2020
16	Signal Processing Onramp	MathWorks	05.06.2021
17	IUCEE Course on "Online Teaching"	IUCEE	July to September 2020
18	IoT Foundation Course	Jigsaw Academy	17.07.2021
19	Wireless Communications Onramp	MathWorks	07.07.2022
20	How to prepare a proposal for a review article	Research Academy, Elsevier	27.07.2022
21	Structuring your article Correctly	Research Academy, Elsevier	28.11.2022
22	Google Cloud certification	L4G Solutions Pvt Ltd	08.12.2022
23	Google Data Analytics	Google Cloud, Coursera	20.01.2023
24	Mathematics for Machine Learning: Linear Algebra	Imperial College London, Coursera	10.06.2023
25	Differential Equations Part I Basic Theory	Korea Advanced Institute of Science and Technology(KAIST)	16.11.2023
26	5G Network Fundamentals	Institute Mines Telecom	22.02.2024
27	5G Principles: Comparing 5G to 4G	Infosys spring board	15.06.2024
28	Scientific Writing in Health Research	NPTEL ICMR-NIE	July 2024
29	5G Principles: The Promise of the 5G Revolution	Infosys spring board	05.10.2024
30	Ethics Review of Health Research	NPTEL-NIE	15.10.2024
31	Wireless Networking	Infosys spring board	24.12.2024

32	Basics of Linear Algebra using Python	Infosys spring board	24.12.2024
33	IoT & Electronics	Infosys spring board	27.06.2025

10. Patents filed/awarded: 5, Patent Granted: 1

11. Membership in Professional societies: ISTE - LM 110561

12. Awards, Recognition & Achievements:

- First rank holder and Medalist in ME (Communication Systems) studied in National Engineering College, Kovilpatti.
- Received certificate and cash prize for 100% pass percentage for the subject “Communication Engineering” in the fourth Annual Day function held at Ramco Institute of Technology, Rajapalayam.
- Received certificate for “Best Class Adviser Award” for the batch 2018-2022 for the academic year (2019-2020).
- Received FAER Scholarship for 2 times for guiding UG students project.
- One Indian Utility patent granted for 20 years.
- Received a recognition certificate of completion with Distinction for the course “Online Teaching” offered by IUCEE.
- Received Best paper award in “ICEmTASS - IEEE International Conference on Emerging Technologies and Applications for a Smart and Sustainable World” during December 16-18 2021 in National Engineering College, Kovilpatti.
- Have secured second prize in the events Target Throw, Slow Walk in the “Annual Sports Day”, organized by Ramco Institute of Technology on 30th April, 2022 at RIT sports arena.
- Attended 24th ISTE Annual Convention at Baba Farid College of Engineering and Technology, Punjab and received ISTE-NIT Kozhikode National award for the best BE ECE project "Interoperative Biopsy Site Relocalization in Endoscopy for Gastrointestinal Tract using DLT" Student Members - M. Sabriyah / P. Sneha on 05.09.2024.

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

- Class Advisor - Batch (2018-2022), (2022 – 2026)
- Assistant Warden (Girls Hostel) (Upto December 2022)
- Electronic Circuits I & II Lab Incharge
- NBA Criteria 8 Department Level Coordinator (Upto June 2023)
- NBA Criteria 7 Department Level Coordinator
- NAAC Criteria 2 Coordinator
- Department Budget Coordinator (2018-2021)
- Department Association Incharge (2019-2020)
- Department Discipline Committee Incharge
- PAQIC Member for Mechanical Department
- ICT Academy Department Coordinator
- Class Committee Chairperson
- Department Library & Text Book Requirement Incharge
- Reviewer for various National, International & IEEE Conferences
- Resource person for Seminar/Webinar
- Department Academic Coordinator
- ISO Auditor
- Admission School Visit Coordinator
- BoS Internal Member