

CURRICULAM VITAE

Name	M.KAMARAJAN			
Gender	Male	Date of Birth	09.05.1975	
Contact No &Email ID	9790971664, mkamarajan75@gmail.com			
Communication Address	No:10, F1, Surabi Homes, Mahadevan Street, Nehru Nagar, Chennai-44			
Qualification with Discipline		Institution of Study, Month &Year of Passing		
Ph.D- Image Processing		Anna university, Confirmation Completed		
M.E-Applied Electronics		Jerusalem College of Engineering, May &2007		
B.E- Electronics and Communication Engineering		Madras Institute of Technology, May & 2003		
Diploma- Electronics and Communication Engineering		Meenakshi Ammal Polytechnic, April & 1993		
Employment History				
Designation	From	To	Total Experience	Institution
Assistant Professor	12 th Aug 2020	Till Date	2Years 10 Months	Mohamed Sathak AJ College of Engineering
Assistant Professor	4 th Jan 2008	31 st June 2020	12 Years 6 Months	SRM Easwari Engineering College
Lecturer	10th July 2003	28 th Feb 2004	0 Years 7 Months	Bharath University
Assistant Training Officer	1 st March 2004	30 th June 2005	1 Year 4 Months	CVAT-TVS
Instructor	4 th Oct 1993	6 th April 2000.	6 Years 7 Months	Thiru Seven Hills Polytechnic
Industry				
Service Engineer	1 st Dec 2000	29 th Dec 2001	1 Year	Micro India Business Machine
Project Engineer	3 rd Jan 2007	31 st Dec 2007	1year	Splice Automation
No of UG and PG Project Guided	Other Responsibilities			Training Attended
25	HOD/IC(1Y8M), IQAC Member, Criteria Coordinator NBA &NAAC, ISO Coordinator &Internal Auditor, Course Coordinator for AICTE-KARMA Course, Staff-In charge, Admission Coordinator, IV Coordinator.			ISO Internal Auditor, IIC Ambassador, Wipro mission 10X, Infosys Campus Connect
Publications	Journal	12	Conference/FDP/ Workshop/Training Attended	30
	Conference	10	Organized various Event as Convenor & Coordinator	11
	Patent Published	03	Resource Person	05
Appreciation Awards	All round Activities- Academic Year 2022-2023			
	Outstanding Performance in Research Activities, Academic Year 2022-2023			
	Mentor Award for Participating as Mentor in Smart India Hackathon 2020			
	Result 100% Achievement Award			

Curriculum Vitae

M.Kamarajan

No.10, F1, Surabi Homes,

Nehru Nagar, Chennai-44, India

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Ph: 9790971664



Objective: Aspiring to work with an organization that offers a career in student support and training where I can learn and function effectively and contribute towards organization goals. To constantly upgrade my knowledge and skills and make a difference in whatever I do.

Academic qualifications

- Ph. D (Pursuing) – Anna University, Chennai, registered on 2016 (Confirmation Completed).
 - M.E (Applied Electronics) – Jerusalem College of Engineering, Anna University, Chennai, June 2007.
 - B. E. (Electronics and Communication Engineering) – Madras Institute of Technology, Anna University, Chennai, May 2003.
 - DECE (Electronics and Communication) – Meenakshi Ammal Polytechnic, DOTE, April 1993
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Teaching Experience: Total: 25 Years 10 Months, (Experience in Engineering College: 15 Years 11 Months).

Assistant Professor:	2 Year 10 Months 18 Days, Mohamed Sathak AJ College of Engineering from 12 th August 2020 to till date. Dept Administration/ Lecturer /Tutorials/Laboratory
Assistant Professor:	12 Years 6 months, SRM Easwari Engineering College, 4th Jan 2008 to 31 st June 2020. Lecturer /Tutorials/Laboratory M.E. thesis advised – 10, U.G Project Guided – 25
Assistant Training Officer:	1 Year 4 months, CVAT-TVS/India, 1 st March 2004 to 30 th June 2005. Training/Laboratory/Industrial Training
Lecturer:	7 Months, Bharath University/India, 10th July 2003 to 28 th Feb 2004. Lecturer/Tutorials/Laboratory
Instructor:	6 Years 7 months, Thiru Seven Hills Polytechnic, 4 th October 1993 to 6 th April 2000. Lecturer/Tutorials/Laboratory

Industrial Experience: Micro India Business Machine -1Year, Splice Automation -1 Year

Field of Interest

Embedded System, Image Processing, Communication Systems.

Courses taught: Under Graduate (2 Theory, 2 Laboratory, 2 Tutorials)/Semester
Post Graduate (1 Theory, 1 Laboratory)/Semester
Diploma (2 Theory, 2 Laboratory)/Semester

Patent: 3

1. Deep Learning Based Automatic Eye Cataract Detection Algorithm using MATLAB, Application No:20214061583
2. Designing a WSN platform for long-term Environmental monitoring for IOT Applications, Application No:202011017344A, 07/01/2022
3. Priority based Multiport simultaneous wireless charging methods on electric vehicles, (202241063890), 25/11/2022

JOURNAL /CONFERENCE PUBLICATIONs

1. Machine Learning approach for measuring water quality of coastline and estuaries in Chennai coastal area, Environmental Quality Management, 27th June 2023.
2. Performance Analysis of MIMO-FBMC Transceivers in Multi-Path Fading channels, International Journal of Broadband Cellular Communication, ISSN:2455-8532, 7th May 2023.
3. Automatic Detection of invasive and non-invasive lobules of the breast in mammogram images, Turkish Journal of Physiotherapy and Rehabilitation 32(3), ISSN 2651-4451, MAY2021.
4. A Cyber-Safety IOT Enabled Wearable Micro Strip Antenna for X Band Applications. (Accepted., Second International Conference on Mobile Computing and Sustainable Informatics, Proceeding by Springer (ICMCSI -2021)- Lecture Notes on Data Engineering and Communication Technologies, Jan 2022
5. Smart LPG Level Monitoring, Booking and Leakage Detection System using IOT, The international Journal of analytical and experimental modal analysis, Volume 07, Issue 09, Page 1089, September 2020, ISSN (online) 0886-9367.
6. Performance Analysis of MIMO-OFDM System for Under water Communication, Journal of Interdisciplinary cycle Research, Volume 08, Issue 09, Page 1546, September 2020, ISSN (online) 0022-1945.
7. Pulmonary Tumor Nodule Detection and Classification using GLSDM and Discriminative Classifier on CT images, The international Journal of analytical and experimental modal analysis Volume 07, Issue 08, August 2020, ISSN (online) 0886-9367.

8. Retinal Image Analysis for Biometrics, International Journal of Engineering Research and Technology, Volume 07, Issue 04, April 2018, ISSN (online) 2278-0181.
9. Denoising Low Intensity Molecular Image for detection of Breast Cancer, International Journal of Advanced research and Development, Volume 2, Issue, and 2017.
10. Position Estimation of Autonomous Underwater Profiling Drifter Using Quaternion Based Kalman Filter, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.20 (2015)
11. In Situ Temperature and Depth Observations for Ocean Monitoring, Australian Journal of Basic and Applied Sciences, ISSN:1991-8178 9(15) Special 2015, Pages: 38-42
12. Multicore Embedded system using parallel processing technique, International Journal of Emerging Trends in Electrical and Electronics (IJETEE–ISSN: 2320-9569) Vol. 5, Issue.3, July-2013.

INTERNATIONAL/NATIONAL CONFERENCE PUBLICATIONS

1. Position Estimation of Autonomous Underwater Profiling Drifter Using Kalman Filter, IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIECS'15
2. DALI Protocol for Building lightening Automation and Performance Analysis” in proceedings of National Conference on NCCT organized by Agni College of Technology, Chennai 11th April 2013
3. Remote Controllable home energy management system (RHEMS) based on WPAN in proceedings of National Conference on NCCT 13, organized by Agni College of Technology, Chennai 11th April 2013
4. Multicore Embedded System Using Parallel Processing Technique, proceedings of National Conference on NCCT 13, organized by Agni College of Technology, Chennai 11th April 2013
5. “Industrial Power Automation Using Power Line Carrier Communication” in proceedings of International Conference on ICEEE, organized by IOAJ(India), Coimbatore, 22nd April 2012.
6. “Low Power Authentication Protocol using Header Compression in Cognitive Radio Networks” in proceedings of International Conference on ICMEET2K12, organized by Magna Engineering College, Chennai, 12th and 13th April 2012
7. “Reversible Data Hiding for Medical with Image Fusion” published in Proceedings of National Conference on ETNET12, organized by Saveetha University, 6th April 2012.

8. “Deployment of P-Cycle for all optical WDM mesh N/W under static traffic” published in Proceedings of National Conference on ESIC 2011, organized by PSNA College of Engineering and Technology, Dindigul, 31st March 2011.
9. “Implementation of very low bit rate embedded wavelet transform based image coding technique” Published in Proceedings of National Conference on “signal processing and Communication Technologies (NCSC’ 09)” organized by AIHT, Chennai, March 2009.
10. “A selective voltage measurement and charge equalization of series connected battery packs using round robin algorithm” Published in Proceedings of National Conference on “Intelligent Systems and Automation, -NISA 2007” organized by BSACEC, 11th and 12th March.

CONFERENCE /FDP/WORKSHOP/ PARTICIPATED AND ORGANIZED

Participated

1. Presented the research paper entitled “A Cyber-Safety IoT Enabled Wearable Microstrip Antenna for X-Band Applications” in the 2nd International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2021) Organized by Tribhuvan University, Nepal on 29-30th January 2021.
2. Participated in the FEB on “IoT Concepts and Applications”, 6 Days (30th Jan 2023 to 4th Feb 2023), Organized by Madras Institute of technology, Chennai
3. Participated in the Anna university sponsored FDP on “EC8093 Digital Image Processing”, 6 Days (7th June 2021 to 12th June 2021), Organized by St Joseph’s College of Engineering, Chennai
4. Participated in the AICTE and ATAL sponsored FDP on “Managing Conflicts and Teamwork for Healthy Work Environment”, 5Days (17th June 2021 to 21st June 2021), organized by International Institute of Health and Management Research.
5. Participated in the AICTE and ATAL sponsored 5days FDP on Robotics
6. Participated in the virtual international FDP on “Research Methodology”, 7Days (2nd May 2022 to 7th May 2022), Organized by Kamala Nehru Mahavidyalaya, Nagpur
7. Participated in the short-term training programme on “Emerging Trends and Research challenges in deep learning applications”, 6 Days (21st Feb 2022 to 26th Feb 2022), Organized by Department of ECE, Sri Venkateswara College of Engineering.
8. Participated in the Online One-day workshop “How to write an effective Research paper for peer reviewed journals”, Organized by SRM Group of Institutions, 24th April 2020

9. Presented a technical paper titled “Automatic theft and Speed control using Embedded System” in 2nd National Conference on Recent Development in Automobile and Mechanical Engineering 5x(RDAME’20) held at EEC on 11th March 2020
10. Participated Author Workshop organized” by Wiley and Anna university on 19th November 2018
11. Participated AICTE-ISTE Sponsored “ICT Based Instructional Design and Delivery for Outcome Based Education” organized by Dept of ECE, EEC from 14th to 19th May 2018.
12. Participated IET Sponsored Workshop “Improve research discoveries and identifying paper publications opportunities” organized by IET form on 16th August 2018
13. Participated “Training on Modern Tools in Embedded Systems”, 6 Days (28th November 2016 to 3rd December 2016), Organized by Levergent Technologies India Pvt Ltd
14. Attended one day the training on “Lab View” conducted by ECE department, at Alism Salem Mohammed Engineering College Collaboration with NI Systems Ltd, Chennai, June 2015.
15. Attended FDP on “Linear Integrated Circuits” Conducted by Dept of EIE, EEC Collaboration with STARCOM, Chennai on 23rd and 24th June 2015
16. Attended FDP on “Power system Simulation using Lab View” Conducted by Dept of EEE, EEC Collaboration with NI, Chennai on 29th and 30th June 2015.
17. Presented the paper entitled “In Situ Temperature and Depth Observation for Ocean Monitoring” in the National on Recent Trends and Advancement Information and Communication Engineering, organized by Nehru Institute of Technology held on 27th March 2015.
18. Internal Auditor ISO 9001:2008 and ISO 9001:2015 Quality Management System and Audit Training
19. Presented the paper entitled “Reversible Data Hiding for Medical with Image Fusion” in the National on emerging trends in NANO, EMBEDDED and TELECOMMUNICATION technologies held on 6th April 2012
20. Participated the training on “High Impact Teaching Skills and Mission 10X” conducted by Wipro at EEC, Chennai, 1st Aug 2011 to 5th August 2011
21. Presented the paper entitled “Deployment of P-Cycle for all optical WDM mesh network under static traffic” in the National ESIC2011 Organized by PSNA College of Engineering and Technology on 31st March 2011
22. Presented the paper entitled “Nano ID Based Automatic Crash Notification and Life Rescue System” in the third National conference on Digital Convergence 2010, organized by RMK Engineering College, 11th & 12th April 2010.
23. Participated in Workshop on “Graphical System Design on Electronics Education” Conducted by Dept of ECE, EEC Collaboration with M/s Trident Tech Labs, Chennai on 23rd and 24th April 10

24. Participated in “Enrichment programme on soft skill training” (CGC Insight 09) conducted by Carrier Guidance Cell, SRM University, Chennai on 8 th August 2009.
25. Participated in “Educators Day 2009 for faculty and research scholars” organized by National Instruments, Chennai.
26. Participated in AICTE sponsored staff development programme on “Real Time Implementation of signal/Image Processing Algorithms” organized by Dept of ECE, EEC, Chennai on 24 th Nov to 5th Dec 2008.
27. Participated in Faculty Enablement Program on “Infosys Industry –Academia Partnership program” conducted by Infosys Technologies Limited, Chennai on 21st July to 1st August 2008.
28. Participated and presented a paper titled “A round robin algorithm for embedded battery equalizer” in the National Conference on “Recent trends in Electrical Engineering RTIEE-07 organized by Sairam Engineering College, Chennai.
29. Participated and presented a paper titled “A Selective Voltage Measurement and Charge Equalization of Series Connected battery Packs Using RRA” in the National Conference on “Intelligent System and Automation NISA-07 organized by B.S.A Crescent Engineering College, Chennai.
30. Participated in Workshop on “VLSI” Conducted by ALTERA, NI2 LOGIC and WIPRO Collaboration with M/s Trident Tech Labs at Anna University, Chennai, 2007

Organized

1. Organized and as Coordinator for Workshop/Events “Radiant 2023” exclusive for +2 Students, 4 Weeks (10th April 2023 to 10th May 2023).
2. Organized and as coordinator for IIC Event Webinar on “Business Model Canvas” on 12th April 2023
3. Organized and as coordinator for IIC event Seminar on “Thol Koduppom Thozhilgalukku” Facilitating by MSMEs on 24th Feb 2023.
4. Organized and as Convenor for FDP on Image Dehazing, 2 Days (27th & 28th May 2021)
5. Organized and as Convenor for Online FDP on Electromagnetic Fields, 3 Days (29th December 2020 to 31st December 2020)
6. Organized and conducted “non-teaching staff skill development programme” in the institution for technical faculty for all circuit branch lab technician. (3Jan 2020 and 22 June 2018)
7. Organized and as Coordinator for Mini project Expo: 1st and 2nd Year students Mini project contest held on 1st march 2018 organized by EEC, more than 190 students participated. Under my coordination 35 batches were participated from ECE and our dept students won a First prize and Third price

8. Organized and as coordinator student's national level symposium on 2014 at EEC.
9. Organizing committee member of IEEE Sponsored National Conference on VLSI, Communication and Networks conducted by Dept of ECE at EEC, Chennai on 12th and 13th March 2010.
10. Organizing committee member of AICTE Sponsored National Level of SDP on Embedded Networking organized by Dept of ECE at EEC from 11th Nov to 12th December 2009.

Guest Lecturer

1. Delivered a Lecture on AU Sponsored FDTP on EC6073-Embedded and Real Time Systems organized at Agni College of Technology on 18.5.2019
2. Delivered a Guest Lecture on Applications of OPAMP for ECE students at SRM University on 29.8.2008
3. Delivered a Seminar on PLC and Embedded System for ECE students at Danish Ahamed College of Engineering on 4.10.2007

Students Innovation Projects Guided

Android Application for Smart Cycle- (1st Prize)

Application of Eye Blink sensor for accident Prevention System (Overall 1st Prize)

Nalayathiran Experimental Based Learning Projects - Evaluator and Mentor

Temperature sensor implementation for COVID19

Design of Automatic Theft Control using Embedded System (SIH)

Apparition Awards

- Best Teacher Awards for outstanding Performance in All round Activities, Ay 2022-2023 at MSAJCE
- Outstanding Performance in Research Activities, AY 2022-2023 at MSAJCE
- Mentor Award for Participating as Mentor in Smart India Hackathon 2020 at EEC
- Technical Expert Science Exhibition by RISE, 23rd October 2019 at EEC
- Contributed as Session Chair for choosing best project in the National Level Technical Level Symposium on 25th January 2018 at EEC
- College day 100% Achievement Award at EEC

MSAJCE

- a. Head of the department (1 Year 8 Months), Department administration, SO

- b. IQAC Member
- c. Criteria Coordinator for NBA/NAAC
- d. ISO Internal Auditor
- e. Academic Advisory Board member
- f. IIC-Ambassador and Convener for various events
- g. Coordinator for AICTE- KARMA course “Embedded System Design using ARM Processor”
- h. Coordinator -Swadeshi Microprocessor Challenge 2020 -IIT Bombay-CDAC (**Received 1Lack fund** from IIT Bombay for semifinal challenge)
- i. Motivated the students to participate in various Hackathons and Industrial Projects Competitions.
- j. Received Appreciation Award for research Participation

Easwari Engineering College

- a. Teaching UG/PG students of Electronics & Comm. Engg.
- b. Worked with NBA / NAAC accreditation.
- c. Worked with DSIR Accreditation
- d. UG/PG Project Co-Ordinator.
- e. 138 Industrial visits arranged for students in various companies like - NARL, NLC, DRDO, Madras Atomic Power station, HVF, AIR, Doordarshan, SAMEER, NSIC, INS Rajali , BSNL etc
- f. Organized and Conducted Non-Teaching staff Skill Development Programme for circuit branches and utilized for NBA and NAAC
- g. Project Display- NBA and NAAC committee visit, project display laboratory was set by me and student's projects were displayed to the committee member.

CVAT –TVS: Assistant Training officer

Technical and Entrepreneurship Training for Electrical and Electronics Engineering Training

Thiru Seven Hills Polytechnic

Teaching, Technical Training, Lab Maintenance in the dept of ECE

Administrative experience

Institution Level

NAAC Criteria coordinator-Member- Admission Process; Member-ISO audit; Member-5S Audit; Convener-Malpractice Enquiry committee for CAT test; Committee Member- Miniproject Display Evaluation; Member-Industry Institute Interaction Cell; Committee member- Member-Anti ragging committee; Member-ED Cell.

Department Level

Department Administration-NBA Coordinator, NAAC Coordinator, Coordinator-Industrial Visit; Coordinator-Mini project; Member-TCS Best Project Selection. Coordinator-Event Management;

Coordinator/Member-UG/PG Project Evaluation; Coordinator- MOU; Coordinator-Placement; Organizing Coordinator Symposium& National Conference; Member-NIRF; Coordinator-In plant Training.

Others

Vice Chairman-Anna University Paper Evaluation; Vice Chairman-EEC Paper Evaluation (Autonomous); Flying Squad-Anna University Examinations; Session Chair-National Level Technical Symposium; Resource Person-Anna University Sponsored FDTP.

Other University Interaction


Hindustan University - External Examiner
 Bharath University - External Examiner
 Saveetha University - Review of Papers
 SRM University - Guest Lecturer
 Bharath University - Project Display Guidance (ABAT)

Subjects taught:		Lab taught
S.No	Theory Subject Handled	Practical Subject Handled
1	Electron Devices and Circuits	Electronics Devices and Circuits Lab
2	Communication Engineering (EEE)	Communication Systems Lab
3	Linear Integrated Circuits	Linear Integrated Circuits Lab
4	Wireless Communication	DSP & Electronics System and Design Lab
5	Analog and Digital Communication (IT)	Digital Signal Processing Lab
6	High Performance Communication	Electronics System Design Lab
7	Satellite Communication	Electronics Circuits Lab
8	Electronics and Microprocessor (Mech &Auto)	Electronics and Microprocessor Lab
9	Embedded System	Digital Electronics Lab
10	Real Time Embedded Systems	Embedded System Lab
11	Image Processing	Microprocessor and Microcontroller Lab
12	Microprocessor and Microcontroller (ECE&CSE)	VLSI Design Lab
13	Digital Electronics	Communication Lab I and II (PG-CS)
14	Digital Communication	Embedded System Lab (PG –EST)
15	Communication Theory	Project Work (UG &PG Coordinator)
16	Electronics Circuits	
17	ADHOC and Wireless Sensor Network	
18	Embedded Networking (PG-EST)	
19	Microcontroller Based System Design (PG-EST)	
20	Advanced Communication System (PG-CS)	
21	Advanced satellite-based system design (PG CS)	
22	Advanced Microprocessor (PG-VLSI)	

I hereby declare that the above details furnished by me are true to the best of my knowledge

Date:

Sincerely,


 Signature
 M.Kamarajan