

## P. ARUL

Assistant Professor/ECE , University College of Engineering (A constituent college of Anna University), Panruti campus, TN, India.

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### EDUCATIONAL QUALIFICATION :

Course	Institution	Year of Passing	Percentage / Class Obtained	
M.E. (Medical Electronics)	College of Engineering, Guindy, Anna University, Chennai.	2006	76	First
B.E (Electronics & Communication )	Alagappa Chettiar Govt College of Engg & Tech, Karaikudi.	2003	77	First with <i>Distinction</i>
H.S.C	St.Joseph's.Hr.Sec.School, Cuddalore-1, Tamilnadu, India.	1998	86	First
S.S.L.C	St.Joseph's.Hr.Sec.School, Cuddalore-1, Tamilnadu, India.	1996	85	First

\* Pursuing PhD at Anna University Chennai

### FIELDS OF INTEREST:

Analog Circuits and devices  
Microcontrollers and Microprocessors  
Linear integrated circuits  
Bio-Medical Electronics  
Embedded Systems and Robotics

### WORK EXPERIENCE:

1. Bharath Electronics Ltd, Nandambakkam, Chennai, India.  
As a Graduate apprentice trainee from January 2004 to August 2004
2. Defenc Bio-Engg & Electromedical Lab, DRDO, Bangalore, India.  
As a project trainee from September 2005 to May 2006
3. AMS College of Engineering & Tech, Avadi, Chennai, India.  
As a Lecturer from December 2007 to March 2010 ( 2 Years 03 Months)
4. C K College of Engineering & Technology, Cuddalore, Tamilnadu, India.  
As an Assistant Professor from March 2010 to Dec 2014 (4 Years 10 Months)
5. Sri Venkateswara college of Engineering, Tamilnadu, India.  
As an Assistant Professor from June 2015 to Dec 2025 (10 Years 07 Months )

### SUBJECTS TAUGHT :

#### AT UNDER GRADUATION LEVEL

1. Electronic Circuits – I
2. Electronic Circuits – II
3. Electrical Circuits & Electron devices
4. Linear Integrated Circuits
5. Microprocessors and Microcontrollers

6. Antennas and Wave Propagation
7. Optical Communication and Networks
8. Embedded Systems
9. Medical Electronics
10. Satellite Communication
11. Bio-Medical Instrumentation ( For EEE )
12. Transmission Lines & Waveguides
13. Basic Electrical and Electronics Engineering
14. Digital Signal processing (For CSE)
15. Advanced Microprocessors & Microcontrollers
16. Professional Ethics in Engineering
17. Total Quality Management
18. Circuit Analysis
19. Computer Organization and design

**AT POST GRADUATION LEVEL**

1. Advanced Microprocessors & Microcontrollers
2. Embedded Systems
3. Multi core Architecture
4. Electromagnetic Interference & Compatibility

**Additional Responsibilities:**

Si. No	Detail	Year (Period)
1	Exam Cell coordinator ( 7 Years) @ AMSCE & CKCET	Jan 2008 to Dec 2014
2	Student development activities coordinator ( 4 Years) @ CKCET	Jan 2011 to Dec 2014
3	Student Innovation Club Coordinator ( 1 Year) @ CKCET	June 2013 to June 2014
4	Placement Coordinator ( 8 Years) @ SVCE	June 2015 to May 2023
5	TAU Coordinator (4 Years) @ SVCE	June 2015 to May 2023
6	Residential Tutor for Gents hostel (10 years) @ AMSCE(2 years) & SVCE ( 8 Years)	Jan 2008 to Dec 2025
7	Faculty Advisor ( 17 Years)	Jan 2008 to Dec 2025
8	AICTE / NIRF Coordinator ( 4 Years ) @ SVCE	June 2015 to May 2023
9	CAT / FAT Coordinator (1.5 years) @ SVCE	June 2023 to Dec 2024
10	Student Activities Coordinator (2.2years) @ SVCE	June 2023 to Dec 2025
11	ERP coordinator (1.7 years) @ SVCE	Jan 2024 to Dec 2025

**List of Conferences & Journals published:**

- International Journal Of Advances in Engineering and Management (IJAEM), “ Design of Human Machine Interface System Using Various Emotion Captured Through Biosensors”, Vol 1, issue 5, pp- 129-133, November 2014.
- IEEE- International Conference on Advances in Engg & Tech ,” Design of Embedded Biomedical System for health care & Monitoring” [ISBN : 978-1-4799-4949-6],2014.
- IEEE-International conference on Intelligent engineering system , “Design & Analysis of power monitoring & Control using Ethercat,[ISBN:978-93-83459-33-9], 2014.
- International Journal of Engg & Tech,” Non-invasive technique of wheezing identification using capacitive sensor” Vol 1.No2, June, 2009.
- Journal of emerging technologies for innovation and research “Security issues related to IOT devices with artificial intelligence” March 2019 ( ISSN-2349-5162), Volume 6, Issue 3, Pg 82-88.
- International conference on future communication and internet of things(ICFCIoT), ISBN:978-93-5353-061-9, 15<sup>th</sup> march 2019, organized by Aditya college of Engg, Madanapalle, AP, India
- AICTE Sponsored International E-Conference on SMART TECHNOLOGIES IN ELECTRIC VEHICLES AND POWER GRID “Optimised Portable Beverage Maker with Voice Recognition, Fruit Classification, Battery Efficiency with QAHE and Automated Dry-Cleaning Mechanism” P. Arul, P. Aaron Jerin Roger, VS. Gowtham, R. Gurucharan pg 47.

- National conference on signal processing, communication and network, “ IOT based smart health monitoring system for pregnant women, 9<sup>th</sup> May 2023.
- “Heart Rate Variability as a Predictor of Academic Stress: The Moderating Role of Physical Activity and Gender” in ANRF Sponsored International Conference on Emerging Electronics and Sustainability ICEES-2025 Organized by Koneru Lakshmaiah Education Foundation University, Andhra Pradesh held on 9<sup>th</sup> and 10<sup>th</sup> April, 2025.

### Awards/Fellowships

- Exceptional contribution as a Primary Evaluator in "Toycathon 2021" from the Ministry of Education, Govt. of India.
- Received BEST PAPER AWARD- for Optimized portable beverage maker with voice recognition, fruit classification, battery efficiency by qafe and automated dry-cleaning mechanism in the AICTE Sponsored International E Conference On Smart Technologies In EV and Power Grid (STEP21)
- Received BEST PAPER AWARD- for IoT driven predictive maintenance for equipment in small scale factories in the National conference on Signal Processing, Communication & Networking (NCSPCN-2025)
- Received Rs 1 Lakh through an intramural research grant from Ms. Sri Venkateswara College of Engineering on 10/10/2024 with Ref No: SVCE/IRG/R&D/ECE/2024-2025/12 for my research work “Risk Assessment and Prediction of Heart-related Diseases Using Deep learning models and HRV Parameters”.
- Received Rs 0.21 Lakh from 4th ISSE National Conference, Ahmedabad (ISRO Headquarters) on the topic “SYSTEMS FOR TRANSFORMING INDIA – CHALLENGES AND OPPURTUNITIES”, ( Indian Society of Systems for Science and Engineering ) for the project “Compact Automated Beverage Equipment” held from 05/09/2019 To 31/03/2020.

### RESOURCE PERSON ( INVITED TALK )

Si. No	Title of the Invited Talk	Name of the Conference, FDP, Workshop, Seminar etc.	Venue	Start Date	End Date	Date of Presentation
1	Fuzzy Logic Membership Functions Fuzzy Relations Fuzzification & Defuzzification Methods	One Week FDP On Soft Computing Techniques and Their Applications	Sri Venkateswara College Of Engg Sriperumbudur, TN, India	2019-06-10	2019-06-14	2019-06-13
2	Performance Optimization For Embedded Computing	Anna University Sponsored FDP On Embedded and Realtime Systems	Sri Venkateswara College Of Engg Sriperumbudur, TN, India	2017-06-13	2017-06-21	2017-06-15

### Membership in Professional Bodies

- Life Member in Indian Society For Technical Education (ISTE) with membership no: LM72491
- Life Member in International Association Of Engineers(IAENG) with membership no: 176596

### Book Chapters Published

- P. Arul, V. Yokesh, N. Sathish, and Pham Chien Thang, “Advances in 5G/6G-Enabled Federated Reinforcement Learning in IoT” Taylor & Francis, <http://doi.org/10.1201/9781003532323-5>

## PERSONAL PROFILE

Name : P.Arul  
Date of Birth : 03.06.1981  
Father's Name : Periyandavan.V  
Languages Known : Tamil, English  
Marital Status : Married  
Personal Traits : Hardworking, Duty mind, Optimistic & Self-confidence.

## DECLARATION

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned Particulars.

Date: 14/01/2026  
Station: Sriperumbudur

Yours Truly,



(P. Arul)