

V.MALATHY

Assistant Professor

Department of Electrical and Electronics Engineering

Anna University

University College of Engineering – Ariyalur

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Area of Interest: Power Electronics and Drives, Solar Energy Applications

Educational Qualifications:

S.No.	Qualification	Department	Year
1	B.E.	Electrical and Electronics Engineering at Alagappa Chetiar College of Engineering and Technology, Karaikudi	1991-1995
2	M.E.	Power Electronics and Drives at Shanmuga College of Engineering, Thanjavur	1996-1998

Experience: (28 Years)

Name of Company/Institutions	Designation of post	From	To	Year of Experience
Anjalai Ammal Mahalingam Engineering College, Kovilvenni, Thiruvarur D.T.	Assistant Professor	17.07.1998	01.09.2009	11
Anna University - University College of Engineering – Ramanathapuram.	Assistant Professor	02.09.2009	26.08.2014	5
Anna University - University College of Engineering - Ariyalur.	Assistant Professor	27.08.2014	Till date	12

Additional / Academic Responsibilities at Institution / University Level:

- NPTEL Co-Ordinator (2023 – till date)
- TNEA TFC Co-Ordinator (2023 – 2026)
- NSS Co-Ordinator (2023 – till date)
- Convener – Redreasal Grievances Committee (2024 – till date)
- Member – Internal Complaints Committee (2024 – till date)
- Deputy Warden for Girl's Hostel (2009 – 2014, 2023 – 2024)
- Chairperson in Central Valuation, Anna University (2014-till date)
- Vigilance Squad Member for Anna University Examinations (2009 – till date)
- Chief Anna University Representative (2018 – till date)
- Anna University Representative (2000 – till date)

- Chief Superintendent for Anna University Examinations (2018, 2025)
- Member - Anna University Affiliation Inspection Committee (2018)
- Co-Ordinator - EEE department Association (2009 –till date)
- HOD, Department of EEE (2014)
- Student's Counsellor (2009-till date)
- Class Co-ordinator (2009-till date)
- Question Paper Setter for Anna University Examinations and Autonomous College Examinations
- Question Paper Setter for TNPSC Examinations

UG Projects Completed:

- Buck, Boost, Buck-Boost switching regulator
- Power Electronic Controllers for Solar systems
- High Capacity Power Generation
- MPPT based Photovoltaic Systems
- Power Management Systems
- Modelling of Photovoltaic MPPT tracker
- Photovoltaic power with two phase tracking

Seminar/ Short Term Course/FDP/ Workshop attended:

- A one week Faculty Development Program on "Impact of Inverter based resources in Power System" sponsored by ATAL and organized by Alagappa Chetiar Government College of Engineering and Technology, Karaikudi at online from 3rd February to 8th February 2025.
- A two week AICTE sponsored Faculty Development Programme conducted by Centre for Faculty Development, Anna University on "Future Automation of Power System Protection in Indian Power Sector" at online from 11th December to 24th December 2021.

- A two week NIT Warangal sponsored Faculty Development Programme conducted by Ministry of Electronics and ICT, Government of India on "Data Science for ALL" at online from 27th July to 8th August 2020.
- A two week IIIT Jabalpur sponsored Faculty Development Programme conducted by Ministry of Electronics and IT, Government of India on "Advanced Optimization Techniques and hand-on with MATLAB/SCILAB" at online from 13th July to 24th July 2020.
- A three week Faculty Development Programme conducted by Rajiv Gandhi Memorial Telecom Training Centre, BSNL Chennai at online from 8th June to 26th June 2020.
- A two week Anna University sponsored Faculty Development Training Programme conducted by Centre for Faculty Development on "Electrical Machines II" at Anna University, University College of Engineering, Panruti from 28th November to 11th December 2018.
- A two day CSIR sponsored National Seminar on "Role of Power Electronic converters in Distributed Generation and Microgrid" at TRP Engineering College from 31st August to 1st September 2017.
- A one week Faculty Development Program on "Circuit Theory" at Anna University, University College of Engineering – Ariyalur from 20th November to 26th November 2017.
- A one week Faculty Development Program on "Power System Operation and Control" at Anna University, University College of Engineering – Thirukkuvalai from 21th November to 27th November 2016..
- A one day Workshop on "ETAP Software and its Applications" at University College of Engineering – Ariyalur on 3rd March 2015.
- A one day Workshop on Awareness cum outreach programme on "Alternative Energy sources" conducted by Energy studies, Anna University Chennai on 3rd March 2013.
- A two week ISTE sponsored Workshop conducted by IIT Bombay on "Thermodynamics" at Anna University Madurai from 11th December to 21st December 2012.
- A one day Workshop by DRDO sponsored National level Seminar on "Application of Embedded Systems in Renewable Energy, Power Electronics and Automotive Systems" at PSG Tech Coimbatore from 9th March to 10th March 2012.

- A two day Short term course on "HVDC Transmission" at National Institute of Technology, Tiruchirappalli from 17th August to 18th August 2012.
- A two day Faculty Development Program on "Discrete and Fuzzy Mathematics" at Anna University of Technology, Madurai from 7th April to 8th April 2011.
- A one day National level Faculty Development Program on "Electrical Machine Design" at Kings College of Engineering, Pudukkottai on 2nd April 2011.
- A one day Workshop on "Research Methodology" at Anna University of Technology, Madurai on 29th December 2010.
- A two day Workshop on "Virtual Instrumentation" at National Institute of Technology, Tiruchirappalli from 4th February to 5th February 2005.

Seminar/ Short Term Course/FDP/ Workshop conducted:

- Conducted National Level Seminar in University College of Engineering, Ariyalur on 11th February 2019.
- Conducted National Level Symposium in University College of Engineering, Ariyalur on 23rd September 2017.
- Conducted National Conference in University College of Engineering, Ariyalur on 16th March 2016.
- Conducted One Day Workshop in University College of Engineering, Ramanathapuram on 18th September 2012.

International / National Conferences Participated:

- A paper presented in International Conference on "Role of Communication in the Development of Automated Soil Fertility Analyzers" at Kalaignar Karunanidhi Government Arts College for Women Pudukkottai on 23rd January 2025.
- A paper presented in International Conference on "Modelling and Simulation of Photovoltaic system using MATLAB for a Single Diode Model" at Anna University, University College of Engineering, Villupuram on 29th December and 30th December 2016.

Publications:

- Paper titled "***Simulation and Modelling of Selective Harmonic Elimination in Solar Photovoltaic Systems"*** in the Journal "Journal of Computational and Theoretical Nanoscience" November 2017.
- Paper titled "***Efficient Maximum Power Generation and Correlation by Using Vertical Axis Wind Turbine"*** in the Journal "Middle-East Journal of Scientific Research" September 2016.

Invited Lectures

- Delivered Guest Lecture in the topic "Sizing the drive system" on 9th Febrauary 2024 at Government College of Engineering, Sengippatti.
- Delivered Guest Lecture in the topic "Electric Vehicle" on 6th March 2020 at Alagappa Chettiar Government College of Engineering and Technology, Karaikudi.
- Delivered Guest Lecture in the topic "Power Quality" on 23rd March 2018 at Dhanalakshmi Srinivasan Engineering College, Perambalur.
- Delivered Guest Lecture in the topic "Industrial Network Analysis" on 26th November 2017 at University College of Engineering, Ariyalur.
- Delivered Guest Lecture in the topic "Circuit Theory " on 23rd November 2017 at University College of Engineering, Ariyalur.
- Delivered Guest Lecture in the topic "Special Electrical Machines" on November 2016 at "Sri Rajarajan College of Engineering and Technology" Karaikudi.
- Delivered Guest Lecture in the topic "Power Electronics" on November 2015 at "St. Joseph College of Engineering" Thanjavur.
- Delivered Guest Lecture in the topic "Power Electronics" on November 2014 at "Parisutham Institute of Technology" Thanjavur.

DECLARATION:

I CERTIFY THAT THE INFORMATION FURNISHED ABOVE IS CORRECT TO THE BEST OF KNOWLWDGE AND BELIEF.

DATE: 15/05/2026 Signature with date