

Name	Dr. V. SIVAKAMI			
Contact (office)	Associate Professor Department of Electrical & Electronics Engineering M.I.E.T. Engineering College Trichy.			
Email	sivakami.v@miet.edu			
Educational Qualifications	DEGREE	EDUCATIONAL INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING
	Ph.D. Electrical Engineering	National Institute of Technology, Trichy	NIT, Trichy	2021
	M.E. Power Electronics and Drives	Government College of Technology, Coimbatore	Anna University, Chennai	2006
	B.E. Electrical & Electronics	Alagappa Chettiar College of Engineering and Technology	Madurai Kamaraj University	1991
Professional Career Profile	Organization	Designation	Joining Date	Duration of work
	M.A.M. College of Engineering	Lecturer	15.07.2002	31.05.2006
	M.A.M. College of Engineering	Sr. Lecturer	01.06.2006	25.04.2011
	M.A.M. College of Engineering	Assistant Professor	26.04.2011	14.04.2014
	M.A.M. College of Engineering	Associate Professor	15.04.2014	30.06.2016
	M.I.E.T. Engineering College, Tiruchirappalli	Assistant Professor(Sl.Gr)	07.04.2022	01.01.2023
	M.I.E.T. Engineering College, Tiruchirappalli	Associate Professor	02.01.2023	Till Date
Awards & Recognitions	<ul style="list-style-type: none"> ➤ Involved in establishing various laboratories in the Department of Electrical and Electronics Engineering of the Institute and shared the responsibilities such as <ul style="list-style-type: none"> - Preparing the requirements of each lab as per the curriculum and syllabi. - Identifying the potential vendors and inviting quotations. 			

	<ul style="list-style-type: none"> - Purchase of equipments. - Erection and commissioning of machines and equipments. - Conduct of the practical classes. ➤ Taken a vital role in setting up the following labs / workshops: <ul style="list-style-type: none"> - Electrical Machines lab. - Electronic Devices and Circuits lab. ➤ Award for 100% results in the University examination in the following subjects: <ul style="list-style-type: none"> - Electric Energy Generation Utilization and Conservation, Nov/Dec 2012 - Neural Network and Fuzzy Logic, Nov/Dec 2008 - Circuit Theory, Nov/Dec 2004 - Electrical engineering, Apr/May 2003 ➤ Award for above 95% results in the University examination in the following subjects: <ul style="list-style-type: none"> - Electrical drives and Control - Electrical machines II - Circuit Theory - Electrical engineering - Power electronics - Solid State Drives - Power System Transients
Membership in Professional Bodies	<ul style="list-style-type: none"> ➤ ISTE - Life Member in Indian Society for Technical Education (LM 51730) ➤ IE - Member in The Institution of Engineers (India) (M- 143711-3)
Academic Areas of Interest	Power Electronics, Electrical Machines

Administrative Capabilities

- Anna University recognized Supervisor
- Anna University Central Valuation EEE Board Vice chairman
- Coordinator –Placement
- Overall lab coordinator
- Department Academic In-charge
- Project Coordinator UG
- Department Meetings coordinator
- Department Budget coordinator
- Coordinator – National and International conferences (From 2009 to 2013), Workshop, Faculty Development Programme, Symposium.

LIST OF PUBLICATIONS

- **V.Sivakami, B.Vasuki.** "Experimental Investigation and Uncertainty Analysis of Constant Voltage Anemometer using Low-cost Sensor". *Iran J Sci Technol Trans Electr Eng*, 44,1607-1617, (2020). <https://doi.org/10.1007/s40998-020-00332-6>.
- **Sivakami, V., Pal, A. & Vasuki, B.** "Realization of Constant Voltage Anemometer Using an Alternative Signal Conditioning Circuit. *Exp Tech*, 44, 613-623, (2020).<https://doi.org/10.1007/s40799-020-00379-4>.
- **V.Sivakami, B.Vasuki,** "Modified Design and Analysis of Constant Voltage Anemometer". 2019, 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT). *2019 IEEE, Kannur, Kerala, India*, pp. 212-216.DOI: 10.1109/ICICICT46008.2019.8993285.
- **M. Das, V. Sivakami, A. Pal and B. Vasuki,** "Analog-digital conditioning circuit for RTD temperature measurement," 2018, 15th IEEE India Council International Conference (INDICON), Coimbatore, India, 2018, pp. 1-5, doi: 10.1109/INDICON45594.2018.8987077.

- **V.Sivakami, N.Narmadhai**, "An Evolutionary Approach for the Identification of Induction Machine Parameters,"2006, National Conference on Exploring New Frontiers in Power Conversion Technologies, PSNA College of Engineering and Technology, Dindigul, India.
- **V.Sivakami, N.Narmadhai**, "A Novel Adaptive Scheme for the Identification of Induction Machine Parameters using Genetic Algorithm," 2006, National Conference on Modern Trends in Electrical and Electronic Systems, at Government College of Engineering, Salem, Tamil Nadu.
- **V.Sivakami, P.Kayalvizhi** "Single switch isolated DC-DC Boost Converter" 2016, International Conference on Innovations in Power Electronics Control and Systems (IPECS-16), M.A.M. College of Engineering, Tiruchirappalli, Tamil Nadu.
- **V.Sivakami, S.Ragavi** "Fuzzy Control method for three phase buck type Rectifier for critical load Anlysis" 2016, International Conference on Innovations in Power Electronics Control and Systems (IPECS-16), M.A.M. College of Engineering, Tiruchirappalli, Tamil Nadu.
- **V.Sivakami, S.Kalaiselvan** "Thermal loading and reliability analysis for the power semiconductor in wind power converter" 2016, International Conference on Innovations in Power Electronics Control and Systems (IPECS-16), M.A.M. College of Engineering, Tiruchirappalli, Tamil Nadu.

SEMINAR/WORKSHOP/TRAINING PROGRAM ATTENDED

- All India Workshop on "Operation and Control of Solar PV Electric Conversion Systems" organized by the Institution of Engineers(India), Tiruchirappalli Local Centre, at National Institute of Technology, Tiruchirappalli, from 18th to 22nd Dec 2023.
- NPTEL–AICTE Faculty Development Programme on "Fundamentals of Artificial Intelligence" for the duration of 12 weeks during July-Dec 2023.

- Faculty Development Programme on "Smart Grid and Renewable Energy Sources" organized by K.Ramakrishnan College of Engineering in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh from 29th Aug to 2nd Sep 2022.
- Innovation Ambassador (IA) training "Advanced Level" conducted by MoE's innovation cell and AICTE at M.I.E.T. Engineering College during the IIC calendar year 2021-22.
- Innovation Ambassador (IA) training "Foundation Level" conducted by MoE's innovation cell and AICTE at M.I.E.T. Engineering College during the IIC calendar year 2021-22.
- Short term course on 'Numerical Analysis using MatLab at National Institute of Technology, Tiruchirappalli, from 15th to 19th May 2019.
- Faculty Development Training Programme on 'Process Instrumentation, Dynamics and Control' at Bharathidasan Institute of Technology, Tiruchirappalli from 14th to 20th December 2015.
- AICTE sponsored Faculty Development Programme on 'Role of Power Electronics in Future Power Systems (ROPE - FPS - 2013)' at M.A.M. College of Engineering, Tiruchirappalli from 6th to 19th May 2013.
- AICTE sponsored Staff Development Programme on 'Advanced Control Techniques in Power Electronics (ACTPEDS-2011)' at M.A.M. College of Engineering, Tiruchirappalli from 16th to 29th May 2011.
- MISSION 10X Advanced Workshop on implementing MxLA in the classroom at M.A.M. College of Engineering, Tiruchirappalli from 27th to 28th January 2011.
- MISSION 10X Workshop on 'High Impact Teaching Skills' at M.A.M. College of Engineering, Tiruchirappalli during 23rd and 24th November 2010.
- Workshop on 'Power Simulation Training for Circuit Branch Engineers (PSIM 2010)' at M.A.M. College of Engineering, Tiruchirappalli on 17th September 2010.
- 5th International Conference on 'Trends in Industrial Measurements and Automation' at National Institute of Technology, Tiruchirappalli from 4th to 6th January 2007.

- National Conference on "Modern Trends in Electrical and Instrumentation Systems (NCEIS – 2005)" at Government College of Technology, Coimbatore during 9th and 10th March 2005.
- Workshop on "MATLAB Simulink training for circuit branch engineers" at M.A.M. College of Engineering, Tiruchirappalli on 12th September 2003.
- Workshop on 'Recent Trends in Electrical Drives' at Jerusalem College of Engineering, Chennai during 26th and 27th February 2003.

GUEST LECTURES DELIVERED

- Guest lecture on "DC Motor Drives" in Staff Development Programme on 'Solid State Drives' held at M.A.M. College of Engineering and Technology on 8th December 2014.
- Guest lecture on "Smart Grid", Department of Electrical and Electronics Engineering at Alagappa Chettiar College of Engineering and Technology, Karaikudi on 31st August 2015.

INVOLVED IN CONDUCTING THE FOLLOWING PROGRAMMES

- One day Guest lecture on "Prospects on Shape Memory Alloys in Assistive/Rehabilitation Technology" at M.I.E.T. Engineering College, Tiruchirappalli on 22nd Sep 2023.
- Two days Workshop on "Applications of IoT in Electrical Engineering" at M.I.E.T. Engineering College, Tiruchirappalli from 10th to 12th Oct 2022.
- International Conference, "IPECS-2016" at M.A.M. College of Engineering, Tiruchirappalli on 22nd March 2016.
- Student Symposium, "CALNIX'15" at M.A.M. College of Engineering, Tiruchirappalli on 27th September 2016.
- Department day, "EXOUSIA'14" at M.A.M. College of Engineering, Tiruchirappalli on 15th March 2014.

- AICTE sponsored Faculty Development Program, "Role of power electronics in future power systems" at M.A.M. College of Engineering, Tiruchirappalli during 6th to 19th May 2013.
- Student Symposium, "CALNIX'12" at M.A.M. College of Engineering, Tiruchirappalli from 16th to 17th March 2012.
- Student Symposium, "CALNIX'11" at M.A.M. College of Engineering, Tiruchirappalli from 23rd to 24th November 2011.
- National Conference, "IPECS-2012" at M.A.M. College of Engineering, Tiruchirappalli from 16th to 17th March 2012.
- National Workshop, "MATLAB simulink training for circuit branch engineers" at M.A.M. College of Engineering, Tiruchirappalli on 12th November 2011.
- National Conference, "IPECS-2011" at M.A.M. College of Engineering, Tiruchirappalli during 18th to 19th March 2011.
- Student Symposium, "CALNIX'03" at M.A.M. College of Engineering, Tiruchirappalli on 12th September 2003.