

Dr.P.SIVAPERUMAL, M.E.,PhD.,
Assistant Professor



Email: sivaperumal@ametuniv.ac.in

Dr. P SIVAPERUMAL, Assistant Professor in the Department of Electrical and Electronics Engineering has 6 years of well-honed teaching experience and 5 years in Research experience having knowledge across the domain of Power Electronics, Control system, Circuit theory and Design of Electrical Machines.

He received his B.E. Electrical and Electronics Engineering degree first class from Vel Tech /Anna University, 2008, M.E. Power Electronics and Drives Engineering degree first class from SRM Easwari Enginnering College/Anna University,2011 and PhD degree in SRM Institute of Science and Technology, 2021.

He has Guided UG and PG Students in their Research project works and published 9 research papers in referred International Journals and 6 paper presented in International and National Conferences

AWARDS AND ACHIVEMENTS

- Appreciation certificate for exceptional contribution as **Primary Evaluator** In ‘**Toycathon , 2021**’ by Ministry of Education innovation cell and AICTE.
- Appreciation certificate for “**Young Research Award**” to be Finalist conducted by HUMCEN AWARD in the year 2021.
- Secured centum result in **High Voltage DC (HVDC)** in the year 2011
- Secured centum result in Electromagnetic Field Computation and Modeling in the year 2011

PATENT

- T.Sasilatha, D.Lakshmi, P.Sivaperumal, and J.S.Ashwin, “DESIGN AND DEVELOPMENT OF AN INTEGRATED PV GRID CONNECTED DC FAST ELECTRIC VEHICLE CHARGING SYSTEM”, Patent published in 2022, Patent Number: 202241000339.

PROJECT

- P.Sivaperumal, Prof.Palson Kennedy, “Enhancement and performance of photovoltaic system during uniform and Non-uniform irradiation”, proposal submitted in Department o Science and Technology (DST) for Solar Energy Research and Development (SERD-2019), TPN No.46792.

JOURNAL PUBLICATION:

- P.Sivaperumal , S.S.Dash,, K.Mohanraj and C.Balaji,“Switched Coupled Inductor Inverter based Interline Dynamic Voltage Restorer with DWT-ANN Technique”, International Journal of Electrical Engineering & Education, 1-18, 2019(SCI IF-0.56).
- C. Balaji O. Hemakesavulu A. Dominic Savio B. Vinothkumar S. Sakthi, P. Sivaperumal, “A Trasformerless Buck-Boost Converter as Maximum Power Point Tracker for Battery Charging”, Lecture Notes in Electrical Engineering, Volume.795, Springer, Singapore, 2021. http://dx.doi.org/10.1007/978-981-16-4943-1_22
- P.Sivaperumal , S.S.Dash, and k.Saravanan, “Mitigation of Power Quality Issues Using SMES Based DVR aided Switched Coupled Inductor Inverter”, Measurement and Control , 52 (9-10), 1329-1343, 2019 (SCI –0.86).
- P. Sivaperumal, Subranhsu Sekhar Dash , Sathish Kumar, J.S. Ashwin, “Fuzzy – Discrete wavelet Transform aided SCII based IDVR for Mitigating Power Quality Issues”, International Journal of Aquatic Science, Vol.12(3), pp.602-615, 2021.
- Satish Kumar S , Dr M. Sasikumar , Dr P Sivaperumal , JS Ashwin , Kavitha Kumari K S, “Implementation Of A Simplified Nine Level Dc-Ac Inverter”, International Journal of Aquatic Science, Vol.12(3), pp. 585-592, 2021.

- J.S. Ashwin, D .Vani , Dr. P.Sivaperumal, S. Satish Kumar, “Analyzing Reliability And Flooding Mechanism In Multi-Hop Wireless Networks”, International Journal of Aquatic Science, Vol.12(3), pp.581-584,2021.
- P.Sivaperumal and S.S.Dash, “Power Quality Enhancement Using Interline Dynamic Voltage Restorer with a Fuzzy logic Controller”, IJCTA, 9(15), 2016, pp.7673-7680. (Scopus Indexed:1.14)
- P.Sivaperumal and S.S.Dash, “ Enhancement of Power quality problem in grid using custom power devices:, Advances in Intelligent systems and computing, vol.467, springer, 2016.(Scopus)
- K.Barkavi, Sivaperumal.P and S.S.Dash, “Grid Integrated Solar Micro Inverter using Space Modulation Technique”, Journal of Advanced Research in Dynamical and Control Systems(Special Issue),Volume.10, 2018, pp.1042-1055.(Scopus Indexed:0.11)
- Dominic Savio A, Vinothkumar.B, Balaji.C, and P.Sivaperumal, “Detection and Tracking of Human activity in the surveillance area”, International Journal of Pure and Applied Mathematics, Volume.120, No.6 2018, pp.7713-7725(Scopus).
- P.Sivaperumal and C.Gopinath “Design an Interline Dynamic Voltage Restorer for Voltage Sag Compensation Using Z-Source Inverter”, International Journal of Electrical Engineering, ISSN 0974-2158 Volume 5(2011), pp.541-554.

INTERNATIONAL AND NATIONAL CONFERENCE:

- P.Sivaperumal , S.S.Dash, and S.Satishkumar, “Fuzzy – Discrete wavelet Transform aided Switched Coupled Inductor based Interline Dynamic Voltage Resistor for Mitigating Power Quality Issues”, Two Days International Virtual Conference on Innovations and Research in Marine Electrical and Electronics Engineering (ICIRMEEE 2021) organized by the Department of Electrical and Electronics Engineering, Academy of Maritime Education and Training, Deemed to be University, 17th & 18th June 2021,pp.70.

- P.Sivaperumal and C.Gopinath “ Power Quality Improvements using IDVR”, Proceedings of the National Conference on Modelling, Simulation, Design and Experimental Study of Electrical System – MOSDES 2011, B.S.Abdur Rehman University, Chennai, April 11- 2011, pp: 31 – 36.
- Jeesha Agalya and P.Sivaperumal “Simulation And Implementation Of Multilevel Inverter Based UPFC”, Proceeding of International on Computational Intelligence & Advanced Manufacturing Research-ICCIAMR2013, VELS University, Chennai, April 5th & 6th -2013.
- Soundara Vasantham R and P.Sivaperumal “High Efficiency Three Phase Transformerless H6 Inverter”, Proceedings of the National Conference on Recent Trends in Electrical and Electronics Engineering (NCRTEE’14), P.B.College of Engineering, Chennai, 7th Mach 2014.
- A.Kohila and P.Sivaperumal “A Module-Integrated Solar Microinverter Using Space Vector Modulation Technique” Proceedings of the National Conference on Recent Trends in Electrical and Electronics Engineering (NCRTEE’14), P.B.College of Engineering, Chennai, 7th Mach 2014.

FDP/WORKSHOP/SEMINAR ATTENDED/ ORGANIZED

- Has participated Continuing Education Program on “**COMOS for Industry 4.0**”, organized by Department of Electrical and Electronics Engineering & Academic Cell-AVIT in association with VI Microsystems pvt.ltd, 27-30 July 2021.
- Has participated in one week online FDP on “**Life skills and wellness During Pandemic**”, 05- 11th July 2021, organized by AMET Business School at AMET Deemed to be University.
- Has organized two days seminar on “**Research Methodology**”, 01-02 June 2021 at AMET Deemed to be University.

- Has participated AICTE training and Learning (ATAL) Academy online FDP on **“Integration of Alternate Energy Resources in Smart Grid”**, 25- 29 Dec’2020 at National Institute of Technology -Delhi.
- Has participated AICTE training and Learning (ATAL) Academy online FDP on **“Sustainable Engineering”**, 14- 18 Dec’2020 at Vellore Institute of Technology - Chennai.
- Has participated AICTE training and Learning (ATAL) Academy online FDP on **“Electrical & Computer Engineering”**, 09- 13 Nov’2020 at National Institute of Technology Meghalaya.
- Has participated in two days workshop on **“Modeling and Simulation of Power Electronic Equipments using Multisim”**, 04-05th June 2021 at AMET Deemed to be University.
- Has participated in one day National workshop on **“Intellectual Property Rights Regime and Its Impact”**, 25th May 2021, organized by Electrical and Electronics Engineering in collaboration with Tamil Nadu State Council for Science and Technology at AMET Deemed to be University.
- Has participated in webinar on **“Recent Innovation in Marine Structure”**, 14th May 2021, organized by Department of Nautical Science at AMET Deemed to be University.
- Has participated AICTE training and Learning (ATAL) Academy online FDP on **“Robotics”**, 02- 06 Nov’2020 at Motilal Nehru National Institute of Technology Allahabad, Prayagraj.
- Has participated National Level E-Faculty Development Programme on **“Road Map to get a Quality Patent”**, 13 June 2020 at AMET Deemed to be University, Chennai.

- Has participated online Inter-National Webinar on “**Recent Trends in Hybrid Electric Vehicle**”, 23 Jan’2021 at Arasu Engineering College, kumbakonam.
- Has participated National level Faculty Development Programme on “**Modelling, Technologies, and Control Electric Vehicle**”, 25-29 May 2020 at AMET Deemed to be University, Chennai.
- Has participated National Level Webinar Series on “**High Voltage Engineering**”, 11-13 May 2020 at AMET Deemed to be University, Chennai.
- Has participated in National Workshop, “**Real Time System Simulation and Implementation Tools for Power Engineering Applications**”, on 18-22 December, 2017 at SRM Institute of Science and Technology.
- Has participated in National Level Workshop on “**Digital Control of Power Electronic Systems Using dSPACE**”, 21-22 Sep’2017, at SRM University.
- Has participated in National Level Workshop on “**Implementation of FPGA for Power Electronic Drives**”, organized by SRM University on 24th March 2017
- Attended a Two Day Workshop on “**Quanser Real-time Control system workshop**” at Anna University & IET, Chennai.
- Attended a One Day Tutorial Workshop on “**Mipower power systems simulation software**” organized by PRDC & Vi Microsystem Pvt.Ltd., Chennai..
- Attended Faculty Development Programme on “**Flexible AC Transmissions Systems (EE 2036)**” 30th Nov – 6th Dec, 2011 by Centre For Faculty Development ANNA UNIVERSITY at SSN College of Engineering, Kalavakkam.
- Has participated in the intensive workshop on “**Industrial Automation Using PLC & SCADA**” Organised by Easwari Engineering College in association with Technocrat Automation Solution Pvt.Ltd, Chennai.

- Attended a One Day National Workshop on “**Embedded Technologies on Special Machines**” at Easwari Engineering College, Chennai.

MEMBERSHIP DETAILS

- Member of IEI
- Member of IMRTC
- Member of IAENG