Mr.K.Arulvendhan M.E.,

Assistant Professor,

Dept of Electrical & Electronics Engineering,

CET, SRMIST

Ramapuram, Chennai

arulvenk@srmist.edu.in

Mr. K. Arulvendhan is a faculty member in the Department of Electrical and Electronics Engineering at SRM Institute of Science and Technology, Ramapuram Campus,with a teaching experience of 13 years. He completed his undergraduate studies, earning a Bachelor's degree (B.E EEE), from Annamalai University, Chidambaram. Continuing his academic journey, he pursued postgraduate studies specializing in M.E Power Electronics and Drives at Kumaraguru College of Technology, Coimbatore.

Areas of Research:

Wireless Power transfer, Electric Vehicle charging.

He has effectively disseminated knowledge by presenting numerous research papers in esteemed National and International Journals, Conferences, and Symposiums. Mr. Arulvendhan's research focus is on the charging of electric vehicles using wireless power transfer

Selected Publications:

Arulvendhan, K; Vinil, M; TCSC based filtering and improvement of power quality Journal: Journal of Physics: Conference Series Volume: 1000 Issue: 1 Pages: 12122 Year: 2018 Publisher: IOP Publishing

Mitra, Soumyajit; Pandaraboyana, Dheeraj Kumar; Arulvendhan, K; Srinivasan, J Dilli; HVDC in Indian Power Sector Journal: IJRTE (International Journal of Research in Engineering and Technology) Volume: 8 Issue: 1s4 Pages: 509-515 Year: 2019 Publisher: Blue Eyes Intelligence Engineering &

Web of Science/SCI

Sciences Publication

S. Subasangkari, P. Dhilip Kumar, J. Dilli Srinivasan, K. Arulvendhan; Detection of Foreign Substances Journal: International Journal of Recent Technology and Engineering (IJRTE) Volume: 8 Issue: Issue-1S4 Pages: 446-449 Year: 2019 Publisher: Blue Eyes Intelligence Engineering & Sciences Publication

S. Balaji, K. Arulvendhan, M. Moovendan; Investigation of FACTS Controller Journal: IJCTA (International Journal of Computer Technology and Applications) Volume: 9 Issue: 2 Pages: 607-618 Year: 2016 Publisher: International Science Press

Arulvendhan K., Sivabalan V., Srihari T.K., Jeffin James; Automatic switching cells in a battery using Microcontroller and Monitoring of battery Journal: International Journal of Advanced Science & Technology Volume: 29 Issue: 4 Pages: 8924-8932 Year: 2020 Publisher: SERC

Vedanarayanan, V; Srinivasan, J Dilli; Arulvendhan, K; Kumaran, P Thirusenthil; Selvakumar, R; Maridurai, T; Sudhakar, M; Al Obaid, Sami; Alfarraj, Saleh; Raj, MM; Performance development and evaluation of solar air collector with novel phase change material Journal: International Journal of Photoenergy Year: 2022 Publisher: Hindawi

Vedanarayanan, V; Srinivasan, J Dilli; Arulvendhan, K; Kumaran, P Thirusenthil; Selvakumar, R; Asif, HS; Siddique, MH; Chimdi, Jifara; Synthesis of Modified Phase-Changing Material with Latent Heat and Thermal Conductivity to Store Solar Energy Using a Carbon Nanotube Journal: International Journal of Photoenergy Year: 2022 Publisher: Hindawi

Suresh N, Dillisrinivasan, K. Arulvendhan, Baboo Barik; Isolated DC-AC Matrix Converter based Renewable energy system for improving Power quality using Proportional Integral (PI) controller Technique Conference: Inventive Computation Technologies (ICICT 2022) DOI: 10.1109/ICICT54344 Year: 2022

K. Arulvendhan, Aditya Mishra, Thirtharaj Shill, and Himanshu Thakre; Nurturing the farmland with advanced IoT technology Conference: AIP Conference Proceedings 2405, 030012 (2022) Volume: 2405 Issue: Issue 1 DOI: 10.1063/5.0072481 Year: 2022

Dr Srinivasan P[1], Dilli Srinivasan J[2], Arulvendhan K[3], Muralikrishna K4, Naveengandhi S5; An improved control strategy of low voltage ride through enhancement capability for DFIG based wind turbine: A review Journal: Journal of Xi'an Shiyou University, Natural Science Edition Volume: 18 Issue: 3 Pages: 310-321 Year: 2022 Publisher: Natural Science Edition

Patents:

System & Design of wind Induced Pressure Prediction on Tall Buildings for Smart City

202241049505 An Improved Aqueous Lithium- Ion Battery with IOT Connectivity -30.08.22

"Supervisory Control, Monitoring and Data Acquisition for Remote Industry using Arduino"

348900-001 "A fitting Assembly for Tyre Inflation & Tyre Repair" granted on 04.09.21

Professional Bodies:

Member – IAENG,ISTE,ISRD

Google Scholar: https://scholar.google.com/citations?user=6mC6YX0AAAAJ

LinkedIn: https://www.linkedin.com/in/arul-vendhan-9a64b615