

## Details of Research Publications

ACADEMIC YEAR 2022-2023

S.No	Author	Title of the paper	Name of the Journal / Conference Volume No, Issue No, Month & Year	Indexing Scopus/ SCI/ SCIE/ WoS etc	Online Link of the paper
1.	Dr. Parimala V.	A Novel Neuro Fuzzy Method DTC of Induction Motor Drive for Efficient Torque Response	3 <sup>rd</sup> International Conference for Emerging Technology (INCET), IEEE Xplore, May 2022	Scopus	<a href="https://ieeexplore.ieee.org/document/9824324">https://ieeexplore.ieee.org/document/9824324</a>
2.	Dr. Karthick A.	IoT-Based Intelligent System for Internal Crack Detection in Building Blocks	Journal of Nanomaterials, Vol. 2022, June 2022	SCI	<a href="https://www.hindawi.com/journals/jnm/2022/3947760/">https://www.hindawi.com/journals/jnm/2022/3947760/</a>
3.	Dr. Karthick A.	Mechanical Properties and Electrical Resistivity of the Friction Stir Spot-Welded Dissimilar Al-Cu Joints	International Journal of Polymer Science, Vol. 2022, June 2022	SCI	<a href="https://www.hindawi.com/journals/ijps/2022/4130440/">https://www.hindawi.com/journals/ijps/2022/4130440/</a>
4.	Mr. Kamal kumar V.	LIDAR Based Self Driving Car	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318893">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318893</a>
5.	Dr. Sampath kumar R.	A Comparative Analysis of FACTS Devices for Power Quality Improvement	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318894">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318894</a>

6.	Ms. Lalitha B.	Campus Wide Water Management System	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318880">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318880</a>
7.	Dr. Baranilingesan I.	Design And Implementation of An IoT Based Home Automation Framework	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318895">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318895</a>
8.	Mr. Mohamed Ibrahim A.	Design of Solar Powered E-Cycle	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318896">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318896</a>
9.	Mr. Vignesh C.J.	IoT Based Power Loom Monitoring System	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318885">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318885</a>
10.	Mr. Ravikumar P.	IoT Based Smart Monitoring System for Fish Pond	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318887">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318887</a>

11.	Mr. Saravanan G.	Sequential Automation Process Using Microcontroller	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318864">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318864</a>
12.	Dr. Sathish Kumar D.	Smart Walking Device Using IoT	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318891">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318891</a>
13.	Dr. Ravindran S.	Ultrasonic Aided Voice Based Smart Stick	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318886">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318886</a>
14.	Dr. Chandrika V.S.	A Li-Fi Based Wireless Optical Networking System for Distress Alarming In Fisherman Boats	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318903">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318903</a>
15.	Mr. Dinesh C.	AI Based Smart Assistant System for Drowsiness Driver	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318878">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318878</a>
16.	Mr. Vivekanandan S.	Enhanced Cluster Based Link State Secure Routing Algorithm in Flying Ad Hoc	Proceedings of the International Conference on Intelligent Technologies in	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318879">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318879</a>

		Networks	Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022		
17.	Dr.Pazhanimuthu C.	IOT based Smart Surveillance and Control of Street Light System	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318871">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318871</a>
18.	Ms.P.Praveena P.	IoT Based Solar-Powered Smart Waste Disposal System	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318874">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318874</a>
19.	Mr.Balamurugan K.	Wireless Charger For Electric Vehicles	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318881">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318881</a>
20.	Dr. Kumar Chinnaiyan V.	Security System for Reducing Medical Issues and Drug Interaction With EHR System	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318865">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318865</a>
21.	Mr. Mohamed Ibrahim A.	Performance Assessment of Self Charging E-Cycle	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318889">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318889</a>

22.	Dr.Sampathkumar R.	Detection of Energy Theft and Fault in Transmission Lines	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318873">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318873</a>
23.	Mr. Vignesh C.J.	Environment Monitoring in Factories Using IoT for Employee Safety	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318863">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318863</a>
24.	Mr. Dinesh C.	Gesture Controlled Mechanism of Robot Using Arduino	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318888">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318888</a>
25.	Mr.Vivekanandan S.	Smart Energy Efficient Home Automation Using Telegram	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318872">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318872</a>
26.	Mr. Saravanan G.	Unmanned Solar Powered Paint Bot	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318866">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318866</a>

27.	Ms. Lalitha B.	Water Level Monitoring and Control System Using IoT	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318882">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318882</a>
28.	Dr. Pazhanimuthu C.	Pole Line Fault Detection System	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318875">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318875</a>
29.	Mr. Kamalkumar V.	IoT Based Health Monitoring System	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318876">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318876</a>
30.	Dr. Sathish Kumar D.	IoT Based Three Phase Power Monitoring and Failure Using SMS Alerts	Proceedings of the International Conference on Intelligent Technologies in Security and Privacy for Wireless Communication - ITSPWC 2022, August 2022	Scopus	<a href="https://eudl.eu/doi/10.4108/eai.14-5-2022.2318884">https://eudl.eu/doi/10.4108/eai.14-5-2022.2318884</a>
31.	Dr. Karthick A.	Prediction of the Age and Gender Based on Human Face Images Based on Deep Learning Algorithm	Computational and Mathematical Methods in Medicine, Vol. 2022, August 2022.	SCI	<a href="https://www.hindawi.com/journals/cmmm/2022/1413597/">https://www.hindawi.com/journals/cmmm/2022/1413597/</a>
32.	Dr. Karthick A.	Relevant-based feature ranking (RBFR) method for text classification based on machine learning algorithm	Journal of Nanomaterials, Vol. 2022, August 2022.	SCI	<a href="https://www.hindawi.com/journals/jnm/2022/9238968/">https://www.hindawi.com/journals/jnm/2022/9238968/</a>

33.	Dr. Rakesh Kumar A.	Sizing of Rooftop PV Array and Community-Run Battery Storage for an Energy Cooperative in Prosumer Cluster	Distributed Generation & Alternative Energy Journal, Vol. 37, Issue 6, Oct 2022	Scopus	<a href="https://journals.riverpublishers.com/index.php/DGAEJ/article/view/18849">https://journals.riverpublishers.com/index.php/DGAEJ/article/view/18849</a>
34.	Dr. Pazhanimuthu C. Dr. Baranilingesan I.	A Grid-Connected Solar PV/Wind Turbine Based Hybrid Energy System Using ANFIS Controller for Hybrid Series Active Power Filter to Improve the Power Quality	International Transactions on Electrical Energy Systems. Vol.2022, Nov 2022	Scopus	<a href="https://www.hindawi.com/journals/itees/2022/9374638/">https://www.hindawi.com/journals/itees/2022/9374638/</a>
35.	Dr. Karthick A.	Productivity enhancement of solar still through heat transfer enhancement techniques in latent heat storage system: a review	Environmental Science and Pollution Research, Vol. 30, Nov 2022	Scopus	<a href="https://link.springer.com/article/10.1007/s11356-022-23964-z">https://link.springer.com/article/10.1007/s11356-022-23964-z</a>
36.	Dr. Mohana Sundaram K.	A novel topology for single-inductor single input triple output DC-DC power converter	International Journal of Power Electronics and Drive Systems, Vol. 14, Issue 1, March 2023	Scopus	<a href="https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/21923/14084">https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/21923/14084</a>
37.	Dr. Pandiyan P.	Design and simulation of piezoelectric MEMS logic gates	Ferroelectrics, Vol. 602, Jan 2023	SCI	<a href="https://www.tandfonline.com/doi/abs/10.1080/00150193.2022.2149306?journalCode=gfer20">https://www.tandfonline.com/doi/abs/10.1080/00150193.2022.2149306?journalCode=gfer20</a>
38.	Dr. Chandrika V.S.	Fault diagnosis in a five-level multilevel inverter using an artificial neural network approach	Electrical Engineering and Electromechanics, Vol.1, Jan 2023	Scopus	<a href="http://eie.khpi.edu.ua/article/view/256732/266668">http://eie.khpi.edu.ua/article/view/256732/266668</a>

39.	Dr. Ravindran S.	Electricity Price Forecasting using Multilayer Perceptron Optimized by Particle Swarm Optimization	2022 Smart Technologies, Communication and Robotics (STCR) – IEEE xplore, Jan 2023	Scopus	<a href="https://ieeexplore.ieee.org/document/10009414">https://ieeexplore.ieee.org/document/10009414</a>
40.	Dr. Pandiyan P.	Design and Development of Voice and Keypad Controlled Smart Wheelchair	2022 Smart Technologies, Communication and Robotics (STCR) – IEEE Xplore, Jan 2023	Scopus	<a href="https://ieeexplore.ieee.org/document/10009486">https://ieeexplore.ieee.org/document/10009486</a>
41.	Ms. Revathi R.	Voice Controlled Indoor Air Purifier with Sleeping Aid	Mathematical Statistician and Engineering Applications, Vol.71, Issue 4, Dec 2022	Scopus	<a href="https://www.philstat.org.ph/index.php/MSEA/article/view/1531">https://www.philstat.org.ph/index.php/MSEA/article/view/1531</a>
42.	Ms. Revathi R.	IoT Based Industrial Protection System with Energy Management	Mathematical Statistician and Engineering Applications, Vol.71, Issue 4, Dec 2022	Scopus	<a href="https://www.philstat.org.ph/index.php/MSEA/article/view/1530">https://www.philstat.org.ph/index.php/MSEA/article/view/1530</a>
43.	Mr.Kamalkumar V.	Optimum Transistor Sizing of CMOS Differential Amplifier Using Tunicate Swarm Algorithm	Journal of Circuits, Systems, and Computers, Vol.32, issue 3, Feb 2023	SCI	<a href="https://doi.org/10.1142/S0218126623500512">https://doi.org/10.1142/S0218126623500512</a>
44.	Dr. Karthick A. Dr. Kumar Chinnaiyan V.	Energy forecasting of the building-integrated photovoltaic façade using hybrid LSTM	Environmental Science and Pollution Research, Vol. 30, Jan 2023	SCI	<a href="https://link.springer.com/article/10.1007/s11356-023-25606-4">https://link.springer.com/article/10.1007/s11356-023-25606-4</a>
45.	Dr.Rangu Seshu Kumar	An Enhanced Space Vector PWM Strategies for Three Phase Asymmetric Multilevel Inverter	International Transactions on Electrical Energy Systems, Vol. 2023, Feb 2023	SCI	<a href="https://www.hindawi.com/journals/itees/2023/5548828/">https://www.hindawi.com/journals/itees/2023/5548828/</a>



46.	Dr. Parimala V.	Improving the Maximum Power Point Tracking in Wind Farms with PID and Artificial Intelligence Controllers for Switched Reluctance Generators	2022 International Conference on Futuristic Technologies (INCOFT) - IEEE Xplore , Apr 2023	Scopus	<a href="https://ieeexplore.ieee.org/document/10094347">https://ieeexplore.ieee.org/document/10094347</a>
47.	Dr. Karthick A.	Agrivoltaic: A Strategic Assessment Using SWOT and TOWS Matrix	Energies, Vol.16, Issue 8, Apr 2023	SCI	<a href="https://www.mdpi.com/1996-1073/16/8/3313">https://www.mdpi.com/1996-1073/16/8/3313</a>
48.	Dr.Rangu Seshu Kumar	State of the art review on energy management and control of networked microgrids	Sustainable Energy Technologies and Assessments, Vol. 57, June 2023	SCI	<a href="https://doi.org/10.1016/j.seta.202.103248">https://doi.org/10.1016/j.seta.202.103248</a>
49.	Dr. Pandiyan P.	A Three-Dimensional Approach for Stock Prediction Using AI/ML Algorithms: A Review & Comparison	4 <sup>th</sup> International Conference on Innovative Trends in Information Technology (ICITIIT),IEEE Xplore, March 2023	Scopus	<a href="https://ieeexplore.ieee.org/document/10068584">https://ieeexplore.ieee.org/document/10068584</a>
50.	Dr. Parimala V.	A Review on Bio Energy/Biomass Fuel Selection and Energy Conversion	9 <sup>th</sup> International Conference on Advanced Computing and Communication Systems (ICACCS), IEEE Xplore, May 2023	Scopus	<a href="https://ieeexplore.ieee.org/document/10112796">https://ieeexplore.ieee.org/document/10112796</a>
51.	Dr. Sathish Kumar D.	Optimal scheduling algorithm for residential building distributed energy source systems using Levy flight and chaos-assisted artificial rabbits optimizer	Energy Reports, Vol. 9, Dec 2023	SCI	<a href="https://doi.org/10.1016/j.egy.2023.05.004">https://doi.org/10.1016/j.egy.2023.05.004</a>

52.	Dr. Mohana Sundaram K.	IoT Based Automated Monitoring and Sanitizing System for Pandemic Situations	AIP Conference Proceedings, Vol. 2581, Issue 1, June 2023	Scopus	<a href="https://doi.org/10.1063/5.0126399">https://doi.org/10.1063/5.0126399</a>
53.	Dr. Mohana Sundaram K.	PV Fed UPFC System with Switched Clamped Converter	AIP Conference Proceedings, Vol. 2581, Issue 1, June 2023	Scopus	<a href="https://doi.org/10.1063/5.0126403">https://doi.org/10.1063/5.0126403</a>
54.	Dr. Mohana Sundaram K.	Supraharmonics Source and Effects in Textile Industry	AIP Conference Proceedings, Vol. 2581, Issue 1, June 2023	Scopus	<a href="https://doi.org/10.1063/5.0126671">https://doi.org/10.1063/5.0126671</a>
55.	Dr. Mohana Sundaram K.	Electromagnetic Interference Noise Mitigation Technique in High Speed Signal Circuits Using Electromagnetic Band Gap Structure	AIP Conference Proceedings, Vol. 2581, Issue 1, June 2023	Scopus	<a href="https://doi.org/10.1063/5.0126899">https://doi.org/10.1063/5.0126899</a>
56.	Dr. Parimala V.	DFIG Powered Yaw Function for Wind Energy Network	2022 International Conference on Automation, Computing and Renewable Systems (ICACRS) IEEE Xplore, Feb 2023	Scopus	<a href="https://ieeexplore.ieee.org/document/10029128">https://ieeexplore.ieee.org/document/10029128</a>