



K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE - 637 215

(Autonomous)

Department of Electrical and Electronics Engineering
SCOPUS INDEXED INTERNATIONAL CONFERENCE PAPER PUBLISHED

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
2024- 2025							
1	Advancing Switched Reluctance Motor Design for Electric Vehicles through Performance Optimization	P.M.Balasubramaniam, J.Sivakumar, Sundaramoorthy Prabhu, Arun V, Vijayakumar Muniyan, Vijayakumar Madhaiyan	International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2025)	pp. 624-630, DOI: 10.1109/ICMSCI62561.2025.10894310	Surya Engineering College, Erode	January 2025	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
2	Double Boost Switched Capacitor Multi-Level Inverter with Modified VFPOD-PWM Control	V. Arun, S Dhanapal, V.Ravi, G.Sekar, T. Jayakumar, Vijayakumar M	International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2025)	pp. 610-616, DOI: 10.1109/ICMSCI62561.2025.10893893	Surya Engineering College, Erode	January 2025	Scopus
3	Double Boost Switched Capacitor Nine Level Inverter with Level Shifted PWM Techniques	Vijayakumar Madhaiyan, M.Mohammadha Hussaini, R.Jeyabharath, K.Thivyabrabha, Jeniton S, Arun V	International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2025)	pp. 617-623, DOI: 10.1109/ICMSCI62561.2025.10894258	Surya Engineering College, Erode	January 2025	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
4	Minimum Component Switched Capacitor Inverter With Modified Pwm Control	Sathish Kumar D, Arun V, Vijayakumar M, Elango S, Muthuvel K, Raja A	2024 International Conference on Emerging Research in Computational Science (ICERCS)	pp. 1-6, DOI: 10.1109/ICERCS63125.2024.10894901	Karpagam Academy of Higher Education, Coimbatore	January 2025	Scopus
5	Nine Level Double Boost Inverter with Modified PWM Control	C.Ramakrishnan, Gobi Mohan Sivasubramanian, P.Veena, P. Karuppusamy, Arun V, Karthikeyan N	International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2025)	pp.604-609, DOI: 10.1109/ICMSCI62561.2025.10894437	Surya Engineering College, Erode	January 2025	Scopus
6	Two-Fold Boost Switched Capacitor Inverter with Minimum Switches	Vijayakumar M, Tamilselvan K, Arun V, Sivaprakasam T, G Kanmani, N.Rameshkumar	International Conference on Multi-Agent Systems for Collaborative Intelligence (ICMSCI-2025)	pp. 631-636, DOI: 10.1109/ICMSCI62561.2025.10894319	Surya Engineering College, Erode	January 2025	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
7	Performance Evaluation of Trinary Source 9 Level Inverter (TS9LI) with SPWM Control	M. Vijayakumar; S. Ramesh; M.Mohammadha Hussaini; V. Kamatchi Kannan; P. Jamuna; Arun V	2024 First International Conference for Women in Computing (InCoWoCo)	pp. 1-6, DOI: 10.1109/INCOWOCO64194.2024.10863575	Symbiosis Institute of Computer Studies and Research (SICSR), Symbiosis International (Deemed University), Pune, India	14-15 November 2024	Scopus
8	Double Voltage Gain Switched Capacitor Inverter with APOD PWM Technique	M. Vijayakumar; Shobana Selvaraj; K. Thenmalar; S. Ramesh; A. Raja; V Arun	2024 First International Conference for Women in Computing (InCoWoCo)	pp. 1-5, DOI: 10.1109/InCoWoCo64194.2024.10863317	Symbiosis Institute of Computer Studies and Research (SICSR), Symbiosis International (Deemed University), Pune, India	14-15 November 2024	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
9	Deep Learning Driven Engineering Innovations: Advancing Sustainable Green Building and Smart Infrastructure for a Resilient Future	S. Senthil Kumar; P. Usha; P. Balakrishnan; V. Kamatchi Kannan; M. Manjula; M. Vijayakumar	2024 First International Conference for Women in Computing (InCoWoCo)	pp. 1-5, DOI: 10.1109/INCOWOCO64194.2024.10863057	Symbiosis Institute of Computer Studies and Research (SICSR), Symbiosis International (Deemed University), Pune, India	14-15 November 2024	Scopus
10	A Conceptual Design of Remote Controlled Solar Panel Cleaning Robot	Thiyagarajan Jayaraman; M. Vijayakumar; T. Jayakumar; A Murali; B Karthikeyan; T Suriya	2024 5th International Conference on Smart Electronics and Communication (ICOSEC)	pp. 387-391, doi: 10.1109/ICOSEC61587.2024.10722191.	Kongunadu College of Engineering and Technology	September 2024	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
11	Implementation of a Deep Learning-based MPPT System for Maximizing Energy Extraction in Solar PV Modules	S. Senthil Kumar; Ganesh Moorthy J; Sri Senthilkumar S; Jayan V; Deepak Kumar B; Mounish R	2025 International Conference on Intelligent Computing and Control Systems (ICICCS)	pp. 441-447, doi: 10.1109/ICICCS65191.2025.10984579.	Nandha College of Technology	May 2025	Scopus
12	Narrow-Band IoT Applications in Precision Agriculture for Real-Time Environmental Monitoring and Crop Management	P. Nene, S. Karthik; R Velumani; S. Hariprasath; V. Arun Kumar; S. Senthil Kumar	2025 International Conference on Intelligent Computing and Control Systems (ICICCS)	pp. 134-140, doi: 10.1109/ICICCS65191.2025.10985661.	Nandha College of Technology	May 2025	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
13	Advanced AI Algorithms for Automated Diagnosis in Healthcare: Pneumonia Detection using X-Ray and CT Scans	K.Poongothai; Baskar Duraisamy; B.Jaishankar; Govindaraj T; C. Sivaranjani; S.Senthilkumar	2025 International Conference on Intelligent Computing and Control Systems (ICICCS)	pp. 1036-1043, doi: 10.1109/ICICCS65191.2025.10985678.	Nandha College of Technology	May 2025	Scopus
14	Advancements in Cardiovascular Health: Harnessing Quantum Computing and Ensemble Machine Learning for Heart Disease Detection	Sundaramurthy, Arivoli; Jagadeesan, Ganesh Moorthy; D, Karthikeswaran; P J, Ragu; Sarvalingam, Parameswaran; Arumugam, Murugesan	3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	https://ssrn.com/abstract=5083309 DOI: 10.2139/ssrn.5083309	KSR College of Engineering	November 2024	Scopus
15	Smart Battery Swapping and Authentication System for Electric Vehicles using RFID	Dr.S.Nagapavithra Dr.C.Santha kumar Yuvarani.D Parthipan.A Priyanka.S Rindhiya.A	5th International Conference on Pervasive Computing and Social Networking (ICPCSN-2025)	Pp 20-24 DOI: 10.1109/ICPCSN65854.2025.11035206	RP sarathy institute of technology	May 2025	scopus
16	IoT BASED VEHICLE PARKING SYSTEM	Dr. S. Nagapavithra Dr. C. Santhakumar Nithaj B	6th International Conference on Multidisciplinary and	IFERP2025_2603_ICMC ER_4503	Shinawatra University, Thailand and	March 2025	scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
	WITH RFID TECHNOLOGY	Sabari S Selvaganapathi MYogeshwaran R	Current Educational Research (ICMCER-2025)		IFERP Academy - Thailand		
17	EFFICIENT OPTIMIZATION SMART ENERGY METER USING FFT	Dr. S. Nagapavithra Dr. C. Santhakumar PRIYAMVADHA M PRIYADHARSHINI N SANJAY P	2 EdInnovate 2025: Innovations in Education and e-Learning	: IFERP2025_0804_EDIN_5412	IFERP Academy, Tokyo, Japan	March 2025	scopus
18	Unmanned aerial vehicle resilience: A new approach to fault diagnostics framework	Ashish A. Mulajkar, Varsha D. Jadhav, Dhananjay R. Dolas, S. Gowtham, Madhuri S. Bhagat, Harshal Patil, P. Satishkumar	Journal of Autonomous Intelligence	PP. 1-17 https://jai.front-sci.com/index.php/jai/article/view/1637	Journal of Autonomous Intelligence	JULY 2024	scopus
19	FPGA Implementation of XOR-MUX based Full Adder and Truncated Multiplier for Signal Processing Applications	Pavithara P, Raghapriya N R, Dinesh P M, Gowtham S, Viji D, Kavin Kumar K, Gokul Chandrasekaran	Fifteenth International Conference on Computing, Communication and Networking Technologies (International Conference)	DOI: 10.1109/ICCCNT61001.2024.10723922	IIT-Mandi, in association with IEEE Electronics Packaging Society	November 2024	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
20	Revolutionizing Automotive Safety: A Novel Method for Reverse Propulsion and Regenerative Braking in Critical Scenarios	Subramani M, Gowtham S, Ashwin K, Vignesh R, Mohan Kumar S, Kanagar R	2025 8th International Conference on Trends in Electronics and Informatics (ICOEI)	DOI: 10.1109/ICOEI65986. 2025.11013021	SCAD College of Engineering and Technology, Tirunelveli, India	May 2025	Scopus
21	IoT-based Smart Barrier Guard System for Enhanced Safety and Traffic Management	Kiruthiga Devi V; Veena P; Ragunath S; Swetha T; Priyanka G R; Harish P	2025 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM)	10.1109/ICTMIM65579. 2025.10988412	Rohini College of Engineering and Technology, Kanyakumari	April 2025	Scopus
22	Smart Water Pumping Solution using Bifacial Solar Panels for Enhanced Efficiency	Kiruthiga Devi V; Veena P; Hariharan P; Hariharan D; Gunalan K P; Hariharan K	2025 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM)	10.1109/ICTMIM65579. 2025.10988002	Rohini College of Engineering and Technology, Kanyakumari	April 2025	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
23	Analysis of Characteristics of PCM Inside Altered Design of Shell and Tube Thermal Energy Storage Unit.	R Jayaraman, R Edwin Joseph, Pon Maheskumar, V Kiruthiga Devi, AR Venkataramanan, K Kiran Uday, A Muthulakshmanan, V Kondusamy, K Murugan, R Girimurugan	International Journal of Vehicle Structures & Systems (IJVSS)	https://doi.org/10.4273/ijvss.17.1.04	International Journal of Vehicle Structures and Systems	Jan 2025	Scopus
24	Efficient Smart Vehicle for Crippled Person by using Standalone Photovoltaic System	Stephenraj, M.A.; Jeyabharath, R.; Veena, P.; Swetha, T.; Somnath, P.; Chandhru, S.	2025 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM-2025)	pp- 10.1109/ICTMIM65579.2025.10988103	Rohini College of Engineering and Technology, Kanyakumari	April 2025	Scopus
24	Global Maximum Power Point Extraction using SEPIC Converter for Agriculture Farming Purposes	Stephenraj, M.A.; Jeyabharath, R.; Naveen Kumar, K.; Sabariahriharan, M.; Sakthivel, V.; Praveen, S.	2025 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM-2025)	pp-1261-1267 10.1109/ICTMIM65579.2025.10988417	Rohini College of Engineering and Technology, Kanyakumari	April 2025	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
25	Development of an Arduino-based Solar-Powered Mobile Charger with Integrated Timer, Alarm, and Energy Management System	Gowtham S, Dhivagar S, Srikumar S, Lavanya D, Boopathi S, Arun S	Third International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2025)	DOI: 10.1109/ICAISS61471.2025.11041901	CARE College of Engineering Tiruchirappalli, Tamil Nadu	June 2025	Scopus
26	Design of MPPT Based Solar PV System for Grid Integration	STEPHENRAJ M A, M. SATHISH KUMAR	INTERNATIONAL JOURNAL FOR RESEARCH & DEVELOPMENT IN TECHNOLOGY	https://www.ijrdt.org/full_paper/59662/2032	INTERNATIONAL JOURNAL FOR RESEARCH & DEVELOPMENT IN TECHNOLOGY	May-2025	Published
27	Lithium Ion Battery Pack Robust State of Charge and Charging Method Estimation using Fuzzy Logic	P.Manikandan R.Jeyabharath A.Dhinakaran P.Mareeswaran C.Kishore R.Mugilmuthu	International Conference on Intelligent Computing and Control Systems(ICICCS))	DOI : 10.1109/ICICCS65191.2025.10984683 ISBN: 979-8-3315-1208-8	Nandha College of Technology, Erode	March 2025	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
28	Buck-Boost Converter-based Wireless Power Transfer for Electric Vehicles (EV) with Fast Charging Method	P.Manikandan R.Jeyabharath P.Yasika M.Jeyam A.Manikandeswaran T.Suresh	International Conference on Intelligent Computing and Control Systems(ICICCS))	DOI : 10.1109/ICICCS65191.2 025.10985624 ISBN: 979-8-3315-1208-8	Nandha College of Technology, Erode	March 2025	Scopus
29	High Efficiency Monocrystalline Solar Panel for Sustainable Mobile Charging	Meenatchi K Veena P Ganesh Prabhu S Niyamathulla K Ranjith M S Sudesh S T	International Conference on Inventive Material Science and Applications (ICIMA-2025)	DOI: 10.1109/ICIMA64861.2 025.11074019	Muthayammal Engineering College ,Namakkal	May 2025	Scopus
30	AI Powered Renewable Load Sharing: A Sustainable Alternative to Fossil Fuel-based System for Efficiency and Low Emissions	Meenatchi K Veena P Gowtham A Sabarichandru S R Elavarasan T Sanjay V	International Conference on Trends in Electronics and Informatics (ICOEI-2025)	DOI: 10.1109/ICOEI65986.20 25.11013714	SCAD College of Engineering and Technology, Tirunelveli	April 2025	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
31	Advanced AI Algorithms for Automated Diagnosis in Healthcare: Pneumonia Detection using X-Ray and CT Scans	K.Poongothai; Baskar Duraisamy; B.Jaishankar; Govindaraj T; C. Sivaranjani; S.Senthilkumar	International Conference on Intelligent Computing and Control Systems(ICICCS))	doi: 10.1109/ICICCS65191.2025.10985678.	Nandha College of Technology, Erode	March 2025	Scopus
32	Narrow-Band IoT Applications in Precision Agriculture for Real-Time Environmental Monitoring and Crop Management	Payal Nene;S. Karthik;R Velumani;S. Hariprasath;V. Arun Kumar; S. Senthil Kumar	International Conference on Intelligent Computing and Control Systems(ICICCS))	doi: 10.1109/ICICCS65191.2025.10985661.	Nandha College of Technology, Erode	March 2025	Scopus
33	High Gain Voltage Multiplier-based Multi-Port Interleaved Converter for PV System	M Ramasamy, M Vijayakumar, S Ashwin, A Prakash, K Rajasurya, S Harish	2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN)	doi: 10.1109/ICPCSN65854.2025.11035121	R P Sarathy Institute of Technology (RPSIT), Salem	June 2025	Scopus

Sl. No	Title of the Paper	Name of the Author/s	Name of the Conference	Page No., DOI	Conducted by	Month and Year	UGC Care list/Scopus/ Web of Science/other
34	PV Supported Inductive Hybrid UPQC for Power Quality Enhancement in Sensitive Power Supply Networks	Vijayakumar M, Ramasamy M, V. Arun, Agathiyar K, Sudharsan R, Vijay M	2025 8th International Conference on Trends in Electronics and Informatics (ICOEI)	doi: 10.1109/ICOEI65986.2025.11013764	SCAD College of Engineering and Technology, Tirunelveli	May 2025	Scopus