

Siddhartha Academy of Higher Education-Deemed to be University

Department of Electrical and Electronics Engineering

Faculty Publications for the Academic Year: 2025-26 (Till 24.6.2026)

International Journals (26)

SCI/SCIE: 10 SCOPUS: 10 ESCI: 6

Q1: 7 Q2: 8 Q3: 9 Q4: 2 UG: 0

Sl. No.	Name of the Faculty/ Students	Name of the Paper	Name of the Journal	Volume No., Issue etc.	SCI/ SCIE/ ESCI/ SCOPUS	Impact Factor	Q- Index	UG/ PG
1	Madhusudana Rao Ranga, Venkateswara Rao Bathina, S Kotni	Improved grey wolf optimization for parameter extraction of polycrystalline and mono crystalline solar PV panels using double diode model	Franklin Open	vol. 11, pp. 100273, July 2025. DOI: 10.1016/j.fraope.2025.100273	Scopus	-	Q3	-
2	S Gope, Subhojit Dawn, H A Shuaibu, T S Ustun	Optimal scheduling of active and reactive power considering distributed renewable power generation in electricity market	Discover Sustainability	vol. 6, no. 1, Sep. 2025. DOI: 10.1007/s43621-025-01209-6	ESCI & Scopus	3.0	Q1	-
3	Subhojit Dawn, B Vadlamudi, MLN Vital, S S Das, K D Rao, A A Mansur, T S Ustun	Enhancing grid stability and sustainability in electrical markets: A review on the synergy of renewable energy and electric vehicles	Energy Exploration & Exploitation	vol. 2025, Oct. 2025. DOI: 10.1177/01445987251383177	SCIE	1.9	Q2	-
4	P. K. Pedapati, K. Murugan, K. D. Rao, A. Hemachander, A. S. Hassan, T. S. Ustun	Performance analysis of a fault-tolerant multiport converter for hybrid standalone applications	Energy Exploration & Exploitation	vol. 43, no. 5, pp. 1834–1856, Jun. 2025. DOI: 10.1177/01445987251339850	SCIE	1.9	Q2	-
5	S. Madhankumar, Veera Reddy Aduru, V.R. Lenin, V. S Kannan, A K Singh, N.V.S. S Chinamilli	Analysis of thermal performance and drying kinetics of indirect solar drying under natural and forced convection	Solar Energy	vol. 299, Oct 2025. DOI: 10.1016/j.solener.2025.113767	SCIE	6.6	Q1	-
6	Nagesh D, R Devarapalli, Bathina Venkateswararao, Ł Knypiński	Triple-diode model parameter extraction of a mono-crystalline PERC solar photovoltaic module using FDB-based chimp optimization algorithm	Przegląd Elektrotechniczny	vol. 1, no. 10, pp. 58–64, Oct. 2025. DOI: 10.15199/48.2025.10.7	ESCI & Scopus	1	Q4	-

7	E. Kannan, R. Jayaraman , C. Kumar, G. R. Rajamani	Enhanced energy-efficient load prediction in smart grids using bidirectional LSTM and gated recurrent unit networks	Sustainable Computing: Informatics and Systems	vol. 48, pp. 101230, Dec. 2025. DOI: 10.1016/j.suscom.2025.101230	SCIE	5.7	Q1	-
8	S Thumati, Veera Reddy Aduru , I Abdul, R Guttula, J V N Ramesh and L Ushasree	Adaptive Frilled Lizard Optimization for Enhancing Distribution Feeder Performance with Renewables and Charging Stations	International Journal of Intelligent Engineering & Systems	vol. 18, no.5, pp. 760-770, Jul. 2025. DOI: 10.22266/ijies2025.0630.53	Scopus	1	Q2	-
9	A Rajamallaiiah, S.V.K. Naresh, Y. Raghuvamsi, Singamasetty Manmadharao , K Bingi, Anand R	Deep Reinforcement Learning for Power Converter Control: A Comprehensive Review of Applications and Challenges	IEEE Open Journal of Power Electronics	vol. 6, pp. 1769-1802, Oct. 2025. DOI: 10.1109/OJP.2025.3619673	ESCI	3.9	Q1	-
10	S. Manmadha Rao , R. J. Satputaley, PVRL Narasimham , M. Dhananjaya, B. Ramesh	Mitigation of Voltage Harmonics in Grid powered EV Fast Charging Station using MLI based DVR	International Journal of Circuit Theory and Applications	vol. 2025, pp. 1-13, Oct. 2025. DOI: 10.1002/cta.70193	SCIE	1.6	Q3	-
11	Srilakshmi K, Gummadi SR , Valluri N, Balachandran PK, Sangeetha K	Chimp algorithm based Solar-Hydrogen energy powered UPQC for distribution system	Energy Exploration & Exploitation	vol. 2025, Nov. 2025. DOI: 10.1177/01445987251390554	SCIE	1.9	Q2	-
12	P. Venkatesh , K.S. Kumar	Optimal reactive power dispatch in electricity market using hybrid whale and sine cosine optimization algorithm	International Journal of Ambient Energy	vol. 46, no. 1, Nov, 2025. DOI: 10.1080/01430750.2025.2592991	Scopus	0.442	Q2	-
13	Subhojit Dawn , S S Das, M.M Islam, T S Ustun	Optimizing Wind Power Integration: Increasing Profitability and Market Efficiency through Machine Learning Based Wind Speed Forecasting in Japan's Electricity Grid	Energy Exploration & Exploitation	vol. 2026, Jan. 2026. DOI: 10.1177/01445987251414449	SCIE	1.9	Q2	-
14	L K. Vijaya, Manimozhi M and Kumari J. Vimala	Dynamic Ball Balancing Using Deep Deterministic Policy Gradient (DDPG)-Controlled Robotic Arm for Precision Automation	International Journal of Robotics & Control Systems	vol. 5, No. 3, pp. 1661. Jul 2025. DOI: 10.31763/ijrcs.v5i3.1892	Scopus	4.2	Q3	-
15	Yuvapriya T, Vimala Kumari Jonnalagadda , V L Korupu, V K Elumalai	Enhanced trajectory tracking and robustness in magnetic levitation via takagi-sugeno fuzzy control: experimental approach	Scientific Reports	vol. 16, pp. 685, Jan. 2026. DOI: 10.1038/s41598-025-25356-y	SCIE	3.9	Q1	-

16	S. R. Bondalapati et al.	Smart vehicle cybersecurity: Implementing an autonomous and adaptive intrusion response system	ASEAN Engineering Journal	vol. 15, no. 4, pp. 221–228, 2025, DOI: 10.11113/aej.V15.24631	Scopus	0.176	Q4	-
17	V Vaadaala, K H S Basha, R. A Babu, K V Dudekula, B S Benarji, Swarupa Rani Bondalapati	Cloud and IoT-Driven Smart Irrigation: A Modern Approach to Water Management in Agriculture	IAENG International Journal of Computer Science	vol. 53, no. 1, pp. 305-322, Jan. 2026	Scopus	0.6	Q3	-
18	Madhusudana Rao Ranga, Venkateswara Rao Bathina, S Kotni	A human evolutionary optimization-based approach to optimal parameter extraction of various solar photovoltaic cells using seven parameters mode	Engineering Research Express	vol. 8, no. 4, Feb. 2026. DOI: 10.1088/2631-8695/ae3cdf	ESCI	1.6	Q2	-
19	Madhusudana rao Ranga, Venkateswara Rao Bathina, S Kotni	Metaheuristic based parameter extraction of solar photovoltaic panel: A Human Evolutionary Optimization Algorithm perspective	Franklin Open	vol. 15, pp. 100597, 2026, DOI: 10.1016/j.fraope.2026.100597	Scopus	-	Q3	-
20	S. S. Das, Subhojit Dawn , S. Gope, T. S. Ustun, U. Cali	Electric mobility in India: Charging Infrastructure, energy Storage, grid Integration, and policy Perspectives	Energy Conversion and Management: X	vol. 2026, pp. 101768, Mar. 2026, DOI: 10.1016/j.ecmx.2026.101768	ESCI	7.6	Q1	-
21	B Baddu, Raju Ch, R Srinivasa, Bondalapati Swarupa	Congestion management of power transmission line with advanced interline power flow controller	Journal of Mechatronics, Electrical Power, and Vehicular Technology	Vol. 16, pp. 52-68, 2025, DOI: 10.55981/j.mev.2025.795.	Scopus	-	Q3	-
22	L Kethavath, J Manoranjini, B B R Emani, N Chippada, M S Vani, S Shareefunnisa, Swarupa Rani Bondalapati	Smart Road Surface Condition Analysis via WOA-BP Neural Network and Multi-Sensor Integration	IAENG International Journal of Computer Science	vol. 52, no. 10, pp3495-3502, 2025	Scopus	-	Q3	-
23	R P Narasipuram, Bindu vadlamudi , A S Tandon	New energy vehicle strategy for electric vehicle adoption in Asia for sustainable transportation	Int. J. Mathematical Modelling and Numerical Optimisation	vol. 16, nos. 2/3/4, 2026. DOI: 10.1504/IJMMNO.2026.153026	Scopus	1.5	Q3	-
24	Gengi G., Narayanan P., Jayaraman R. , Sankar R.S.R.	Enhanced Load Forecasting in Distribution Networks Using LSTM Integrated with Quadratic Regression Model	Tehnički Vjesnik	vol. 33, no. 3, pp. 877-884, 2026, DOI: 10.17559/TV-20250507002650	SCIE	0.283	Q3	-

25	K Dhananjay Rao , Prasad KVSR, Pavani P, Subhojit Dawn , Ustun TS	Optimal Fractional-Order Control Scheme for Hybrid Electric Vehicle Energy Management	World Electric Vehicle Journal	vol. 17, no. 4, pp. 197, 2026. DOI: 10.3390/wevj17040197	ESCI	3.3	Q2	-
26	GR Rao, K Dhananjay Rao , P Chongala, P. Pavani, Subhojit Dawn , T S Ustun	Advances in dissolved gas analysis for power transformer diagnostics: From traditional methods to artificial intelligence driven prognostics	Engineering Applications of Artificial Intelligence	Vol. 181, no. 2, 2026. DOI: 10.1016/j.engappai.2026.115390	SCIE	8.1	Q1	-

International Conferences (38)

SCOPUS: 38 IEEE Conference: 33

UG: 35 PG: 0

Sl. No.	Name of the Faculty/ Students	Name of the Paper	Name of the Conference	DOI	SCOPUS	IEEE/ Others	UG/ PG
1	P. Sandeep, G. Srinivasarao , N. R. K. Darbar, P. Arjun	Simulation-based Study of Wireless EV Charging using Inductive Coupling	2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, October 2025	10.1109/ICESC65114.2025.11212501	Yes	IEEE	UG
2	N. Upendra, R. C. Vankina , I. P. Sahay, B. Kiranmayi, B. Manohar	Adaptive Plug-and-Play DG Systems with IoT Driven THD Monitoring and Reduction	2025 7th International Conference on Inventive Material Science and Applications (ICIMA), Namakkal, India, July 2025	10.1109/ICIMA64861.2025.11074060	Yes	IEEE	UG
3	G. Vignesh, B. Venkateswara Rao , G. Swathi, K. Sri vidya	Impact of Contingencies and SVC Placement on Power Flow in a 5 Bus System	2nd International Conference on Smart and Sustainable Energy Systems (ICSSES 2025), India, Mar. 2025	10.1088/1755-1315/1529/1/012033	Yes	Others	UG
4	N. D, R. Devarapalli, V. R. Bathina , Ł. Knypiński	FDB-Based Chimp Optimization Algorithm for Parameter Extraction of MonoCrystalline PERC Solar Photovoltaic Modules	2025 Progress in Applied Electrical Engineering (PAEE), Koscielisko, Poland, Sept. 2025	10.1109/PAEE68231.2025.11155918	Yes	IEEE	-
5	Ramya, M. R. S. R. S., Rao, R. M. , Rao, B. V., Moulika, Y., Kamakshi, R., Devaki, M.	Enhanced Parameter Extraction for Double-Diode Modeling of Solar PV Cells Using Improved Grey Wolf Optimization	2nd International Conference on Smart and Sustainable Energy Systems (ICSSES 2025), India, Mar. 2025	10.1088/1755-1315/1529/1/012017	Yes	Others	UG
6	Anupoju, Kowshik, Reddy Aduru, Veera , Raja Kancharla, Ravi, Sundar, Ravi Devarapalli Parasa, Snigdha	Design and analysis of Air-Gap Faults in Switched Reluctance Motor	2nd International Conference on Smart and Sustainable Energy Systems (ICSSES 2025), India, Mar. 2025	10.1088/1755-1315/1529/1/012019	Yes	Others	UG

7	V. Ravindranadh Chowdary , P. Pavan Aditya, A. Venkata Sai Deepika, C. Pavani, G. Sivanarayana, V. Prasanthi	Design of Solar PPPT System with Fuzzy- Logic based Inverter Control for Grid Connected Loads	2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, Sep. 2025	10.1109/ICESC65114.2025.11212382	Yes	IEEE	UG
8	M. R. Ranga , V. Nagarjuna, B. J. Vesli, K. B. Kumar, M. Phaneendra	Solar Power Forecasting System Using Combined CNN-LSTM and Ensemble Neural Networks	2025 10th International Conference on Communication and Electronics Systems (ICCES), Coimbatore, India, Oct. 2025	10.1109/ICCES67310.2025.11336391	Yes	IEEE	UG
9	U. Meenakshi, V. H. Vamsi , T. G. N. S. Varshitha, T. J. N. Ganesh, P. S. Krishna	Electrical Load Monitoring with LoRa and PZEM for Sustainability	2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, Sept. 2025	10.1109/ICESC65114.2025.11212595	Yes	IEEE	UG
10	H. Sanaboda, V. R. Aduru , V. S. S. Chandolu, B. B. Appikatla, R. Vavilapalli	Smart Waste Monitoring Enhancing Urban Cleanliness with Real-Time Alerts	2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, Sept. 2025	10.1109/ICESC65114.2025.11212600	Yes	IEEE	UG
11	S. R. Sattenapalli, S. Dawn , M. Sanivada, K. D. Kumar, K. Bhavani	Study of Thermal and Thermal-Wind Systems in a Regulated Power System with Variable Load	2025 4th International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, Oct. 2025	10.1109/ICACRS67045.2025.11324275	Yes	IEEE	UG
12	M.Sindhuja, B. V. Rao , K.Sirisha, L.Shaini, J.Amulya	Detection of Open Circuit Faults in Overhead Transmission Lines with Raspberry Pi Pico and Alerting Using GSM Module	2025 IEEE 3rd International Symposium on Sustainable Energy, Signal Processing and Cybersecurity, Gunupur, Odisha, India, Nov. 2025	10.1109/iSSSC66652.2025.11388836	Yes	IEEE	UG
13	Ch. Sanjay, J. Ramesh , D. Sunny, M. V. Lakshmi, C. M. Babu	Enhanced PLL-Driven Control of aThree-Phase DSTATCOM for Power Quality Compensation in Microgrids	2026 International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, Feb. 2026	10.1109/ICEARS67481.2026.11416709	Yes	IEEE	UG
14	R. Jayaraman , T. Vasundharadevi, G. SivaNandu, M. Yugandhar, K. M. Priya	State-Space Modeling of Three-Phase Self-excited Induction Generator with D-STATCOM Voltage Regulation	2026 International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, Feb. 2026	10.1109/ICEARS67481.2026.11416661	Yes	IEEE	UG
15	G. S. Nandu, J. Ramesh , Chinnam Sanjay, Thota Satyavathi	Intelligent Fault Detection and Diagnosis in Power Transmission Systems using Supervised Learning	2026 International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, Feb. 2026	10.1109/ICEARS67481.2026.11416750	Yes	IEEE	UG
16	T. Vasundharadevi, R. Jayaraman , K. Mahima, M. Yugandhar, P. Sahithi, S. Fathima	Real-Time Remote Monitoring of Toxic Environments in Mining Sites using ESP and LoRa	2026 8th International Conference on Intelligent Sustainable Systems (ICISS), Tirunelveli, India, Apr. 2026	10.1109/ICISS67859.2026.11453526	Yes	IEEE	UG
17	A. K. Chekuru, V. K. Nuka , S. Allu, D. K. Monditoka, Y. N. S. Parvathi	Enhancing the Object Recognition and Data Management System for the Visually Impaired	2025 10th International Conference on Communication and Electronics Systems (ICCES), Coimbatore, India, Dec. 2025	10.1109/ICCES67310.2025.11337059	Yes	IEEE	UG

18	Suneel Tummapudi , Snehasree Danduprolu, Navyasri.B, Gopi. G, Phani Sekhar Chirala	Smart electric fencing for agriculture field protection for wildlife	2025 8th International Conference on Emerging Technologies in Computer Engineering: Advances in Computing, Healthcare and Smart Systems (ICETCE), Jaipur, India, Nov. 2025	10.1109/ICETCE 66848.2025	Yes	IEEE	UG
19	Suneel Tummapudi , S Danduprolu, Navyasri. B, Gopi.G, Phani Sekhar Chirala	Smart Transmission line Protection using STM 32F103C8T6	2025 4th International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Dec. 2025	10.1109/ICAAIC6 4647.2025.113306 90	Yes	IEEE	UG
20	S, M. L. N. Vital , Y. Vasanthi, M. K. P. Lahari A. Govindu N	Smart IoT Based Solar PV Fault Detection System	2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, Dec. 2025	10.1109/SPERT6 7079.2025.114694 54	Yes	IEEE	UG
21	M. L. N. Vital , Tadikonda sai siddhartha, Arthy sri gutta, V V Bhavani prasad, Sarikonda sri soumya	Single Phase Five Level Common Ground Switched Capacitor Multilevel Grid Connected PV Inverter with Reduced THD and Device Count	5th IEEE International Conference of Power, Control and Computing Technologies ICPC2T 2026, National Institute of Technology Raipur, March 2026	-	Yes	IEEE	UG
22	M. L. N. Vital , A. Rama Devi, Katuri Venkatesh, Davala Tirumala Rao, P.V.D.S. Sai Rakesh, Galla Anjani Kumar	Common ground Transformer less Seven Level Switched Capacitor Multilevel Grid Connected Inverter with improved THD and smaller sized switched Capacitors	5th IEEE International Conference of Power, Control and Computing Technologies ICPC2T 2026, National Institute of Technology Raipur, March 2026	-	Yes	IEEE	UG
23	T. Koda, V. R. Aduru , A. Gulipilli, G. S. Nallagonda, V. S. Geddapu	Optimized Blood Matching System	2025 7th International Conference on Innovative Data Communication Technologies and Application (ICIDCA), Coimbatore, India, Oct. 2025	10.1109/ICIDCA6 6325.2025.112805 84	Yes	IEEE	UG
24	A. V. S. Deepika, V. R. Chowdary , P. P. Aditya, C. Pavani, G. S. Narayana, V. Prasanthi	A Raspberry Pi Based Approach to Skin Cancer Detection Through Transfer Learning	2025 3rd DMIHER International Conference on Artificial Intelligence in Healthcare, Education and Industry (IDICAIHEI), Wardha, India, Nov. 2025	10.1109/IDICAIH EI65991.2025.113 78775	Yes	IEEE	UG
25	R. Chowdary , A. R. Kothapalli, P. Alla, D. P. Jetty, U. K. Pedada, C. N. Banavathu	A Hybrid AC/DC Microgrid: Integrating Power For Future Generations	2025 International Conference on NexGen Networks and Cybernetics (IC2NC), Erode, India, Dec. 2025	10.1109/IC2NC67 409.2025.1137636 9	Yes	IEEE	UG
26	V. Ravindranadh , A. Prabhas, K. Akhil Reddy, J. Dinesh Paul, P. Uday Kiran, B. Charan Nayak	Implementation of Fuel Cell Stack with Boost Converter	2025 International Conference on NexGen Networks and Cybernetics (IC2NC), Erode, India, Dec. 2025	10.1109/IC2NC67 409.2025.1137648 1	Yes	IEEE	UG
27	I. Damarla , B. Nagarajan, V. Mahendran, P. Anbarasan	Analysis of a Seven-Level Asymmetric Inverter with a Cascaded H-Bridge Configuration	2025 2nd International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), Chennai, India, Oct. 2025	10.1109/ICECON F65644.2025.113 79495	Yes	IEEE	-

28	I. Damarla , P. V. Cherukuri, M. Sake, G. Lolugu, M. Yakasiri	Design of an on-Board Fast Charger Using BLSI Cuk Converter for EV Applications	2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, Dec. 2025	10.1109/SPERT67079.2025.11469269	Yes	IEEE	UG
29	I. Damarla , S. Obiliseti, S. Shaik, M. S. Rajulapati, K. N. C. Rachabattuni	Analysis of Vienna Rectifier Based LLC Resonant Converter for EV Fast Charging	2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, Dec. 2025	10.1109/SPERT67079.2025.11469662	Yes	IEEE	UG
30	Bindu vadlamudi , Gantasrilakshmi	Islanding Detection Using Optimized BI-LSTM Classifier with CWT for Microgrid Systems	2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, Dec. 2025	10.1109/SPERT67079.2025.11469392	Yes	IEEE	-
31	Bindu Vadlamudi , Borra kartika	Enhanced Power Quality in Micro Grids Using Intelligent UPQC Configuration	2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, Dec. 2025	10.1109/SPERT67079.2025.11468892	Yes	IEEE	UG
32	V.T.G. Gudipalli, V T Gopi, S.V.R. Lakshmi Kumari , P. Thikkiseti, Pavan L.V.D., K L V Datta, L.M. and U L Manikanta	Real-Time Monitoring and Alerting of Patient Vital Signs via Camera Feed Analysis and MQTT Protocol	2025 3rd DMIHER International Conference on Artificial Intelligence in Healthcare, Education and Industry (IDICAIHEI), India, Nov. 2025	10.1109/IDICAIHEI65991.2025.11378606	Yes	IEEE	UG
33	E Poongulali, Ramesh Jayaraman , M Joseph, A S Kodiganti, R Tamilselvan	Smart Charging Stations for Electric Vehicles: ARIMA-based Demand Forecasting and K-Means Clustering for Infrastructure Optimization	2026 9th International Conference on Trends in Electronics and Informatics (ICOEI), Tirunelveli, India, 2026	10.1109/ICOEI68323.2026.11541331	Yes	IEEE	UG
34	E Poongulali, Ramesh Jayaraman , M Joseph, A S Kodiganti, R Tamilselvan	Innovative Deep Learning Approaches for Early and Efficient Recognition of Eye Diseases	2026 9th International Conference on Trends in Electronics and Informatics (ICOEI), Tirunelveli, India, 2026	10.1109/ICOEI68323.2026.11542106	Yes	IEEE	UG
35	A. K. Chekuru, V. K. Nuka , S. Allu, D. K. Monditoka, Y. N. S. Parvathi	Intelligent Salt Dispensing System for Hypertension Patients Using BP Data and Microcontroller Automation	2026 6th International Conference on Trends in Material Science and Inventive Materials (ICTMIM), India, Apr. 2026	10.1109/ictmim68190.2026.11506867	Yes	IEEE	UG
36	S. N. V. S. K. Chaitanya , P. Y. Chakri, L. S. Sai, K. P. Kumar, P. Santhosh, P. S. D. S. Badarinath	Smart Energy Monitoring: A Case Study on PLC Based Data Acquisition and Python Analytics	2025 IEEE International Conference on Smart Power, Energy, Renewables, and Transportation (SPERT), Surat, India, 2025	10.1109/SPERT67079.2025.11469730	Yes	IEEE	UG
37	M. L. N. Vital , T S Siddhartha, A S Gutta, V V B Prasad, S S Soumya	Remote electrification using renewable energy sources	7th International Conference On Science And Innovative Engineering, (ICSIE 2026), Prince Dr. K. Vasudevan College of Engineering and Technology, Chennai, India, Apr. 2026	-	Yes	Other	UG

38	N. S, M. L. N. Vital , Y. Vasanthi, M. K. P. Lahari, A. Govindu	A structured methodology for developing a home-made food ordering website using HTML and CSS	7th International Conference On Science And Innovative Engineering, (ICSIE 2026), Prince Dr. K. Vasudevan College of Engineering and Technology, Chennai, India, Apr. 2026	-	Yes	Other	UG
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Book Chapters (5)

SCOPUS: 5

UG: 5 PG: 0

Sl. No.	Name of the Faculty/ Students	Name of the Paper	Name of the Book	DOI	SCOPUS	IEEE/ Springer	UG/ PG
1	N Upendra, Ravindranadh Chowdary Vankina , G Kamalakar, P V Krishna, G Srinivas	Integrated Smart Energy Management for Sustainable Grid Optimization and Predictive Maintenance	IOP Conference Series: Earth and Environmental Science, vol. 1529, no. 1, pp. 012006, Aug. 2025	10.1088/1755-1315/1529/1/012006	Yes	IOP	UG
2	M. R. S. R. S. Ramya, R. M. Rao, B. V. Rao , Y. Moulika, R. Kamakshi, M. Devaki	Enhanced Parameter Extraction for Double-Diode Modeling of Solar PV Cells Using Improved Grey Wolf Optimization	IOP Conference Series: Earth and Environmental Science, vol. 1529, no. 1, pp. 012017, Aug. 2025	10.1088/1755-1315/1529/1/012017	Yes	IOP	UG
3	N Upendra, Ravindranadh Chowdary Vankina , I P Sahay, B Kiraninayi, B Manohar	Effective Power Sharing and Improved Droop Control in a Hybrid Grid with V2G/G2V	IOP Conference Series: Earth and Environmental Science, vol. 1529, no. 1, pp. 012007, Aug. 2025	10.1088/1755-1315/1529/1/012007	Yes	IOP	UG
4	I. Damarla , V. Pradyumna, J. Ramyasri, R. Ajaybabu, T. Kiran	Design and Performance Analysis of Fuel Cell Based Electric Vehicle with Ultra Boost Converter	In: Gundebommu, S.L., Chintala, L.R., Kotha, S.R. (eds) Communications in Computer and Information Science, vol. 2613, Springer, Aug. 2025	10.1007/978-3-032-00983-8_13	Yes	Springer	UG
5	R V K Bobbili, S.N.V.S.K Chaitanya , P N Botcha, N V Dara, S Dasam and S S Miriyala	Simulation of a solar power generation system based on a boost converter using fuzzy logic controller-based MPPT	IOP Conference Series: Earth and Environmental Science, vol. 1529, no. 1, August 2025	10.1088/1755-1315/1529/1/012013	Yes	Springer	UG