


Profile

Name of the Faculty	Dr. K Chenchi Reddy	
Designation	Associate Professor	
Department	EEE	
Area of Interest	Multilevel Inverters, BMS, EV	
Subjects Taught	BEE, E&HV, SGT, MPE, PE, UEE	
JNTUH Registration Id	8493-160223-143956	
College Staff Code	SC1929	
Official Mail	Kchenchireddy.eee@gcet.edu.in	

Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	Ph. D	EEE	Karunya Institute of Technology and Sciences	2024
2	M-Tech	Power Electronics	Gokaraju Rangaraju Institute of Engineering and Technology	2013
3	B-Tech	EEE	TRR College of Engineering	2011

Publications Details:

S. No.	Publication details
Journal Publications (Scopus and web of science)	
1	Chenchireddy, Kalagotla, and V. Jegathesan. "Improved Voltage Balancing Scheme for the MLI Based DSTATCOM with Sliding Mode Controller." Journal of Applied Science and Engineering 27.8 (2024): 2867-2876
2	Chenchireddy, Kalagotla, and V. Jegathesan. "ANFIS Based Reduce Device Count DSTATCOM." Journal of Applied Science and Engineering 26.11 (2023): 1657- 1666.
3	Karthik, T. S., Kamalakkannan, D., Murugesan, S., Patra, J. P., Walid, M. A. A., Chenchireddy, K., & Jagadish Kumar, B. (2024). Experimental Methodology to Optimize Power Flow in Utility Grid with Integrated Renewable Energy and

	Storage Devices Using Hidden Markov Model. <i>Electric Power Components and Systems</i> , 52(11), 2047-2064.
4	Kalagotla, Chenchireddy, and V. Jegathesan. "Power Quality Improvement in Distribution System Using IRP Theory with SMC." <i>International Journal of Integrated Engineering</i> 16.2 (2024): 38-48.
5	Chenchireddy, Kalagotla, et al. "Solar tracker using Arduino microcontroller and light dependent resistor." <i>International Journal of Power Electronics and Drive Systems (IJPEDS)</i> 16.1 (2025): 70-75.
6	Srujana, B., Chenchireddy, K., Sujatha, M., Sultana, W., Sydu, S. A., & Giddalur, E. (2025). Battery temperature monitoring system using Arduino. <i>Int J Adv Appl Sci</i> , 14(1), 53-59.
7	Kumar, V. P., Chenchireddy, K., & Manohar, V. (2025). Smart Road Safety and Vehicle Accident Prevention System for Mountain Roads. <i>CVR Journal of Science and Technology</i> , 27(1), 80-84.
8	Chenchireddy, K., Dora, R., Jagan, V., Mulla, G. B., Jegathesan, V., & Sydu, S. A. Design of a prototype firefighting robot based on an Arduino microcontroller using machine learning technique. <i>IAES International Journal of Robotics and Automation (IJRA)</i> Vol. 14, No. 1, March 2025, pp. 31~37
9	Chenchireddy, K., & Jegathesan, V. (2023). CHB multilevel inverter with sliding mode controller for DSTATCOM applications. <i>International Journal of Power Electronics and Drive Systems (IJPEDS)</i> , 14(4), 2195-2203.
10	Chenchireddy, K., & Jegathesan, V. (2023). Cascaded H-bridge multilevel inverter-based DSTATCOM with an artificial neural fuzzy inference system-based controller. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 32(1), 43-51.
11	Chenchireddy, K., Jegathesan, V., & Kumar, L. A. (2019). Design and Simulation of a Single Phase Four Level Neutral Point Clamped Inverter. <i>International Journal of Recent Technology and Engineering (IJRTE)</i> , 8(2).
12	Chenchireddy, K., Jegathesan, V., & Kumar, L. A. (2019). A fifteen level inverter topology for grid connected applications. <i>International Journal of Recent Technology and Engineering (IJRTE)</i> , 6(4).
13	Babu, T. M., Chenchireddy, K., Rohini, J., Suhas, M. S., Ajitesh, D., & Rahul, K. (2023). High voltage DC-DC converter with standalone application. <i>International Journal of Applied Power Engineering (IJAPE)</i> , 12(4), 384-390 https://doi.org/10.11591/ijape.v12.i4.pp384-390

14	Ramesh, B., Chenchireddy, K., Reddy, B. N., Siddharth, B., Kumar, C. V., & Manojkumar, P. (2023). Closed-loop control of BLDC motor using Hall Effect sensors. <i>International Journal of Applied Power Engineering (IJAPE)</i> , 12(3), 247- 254 https://doi.org/10.11591/ijape.v12.i3.pp247-254
15	Babu, T. M., Chenchireddy, K., Sreevarsha, K., Praveen, B., Thanveer, M., & Kashinadh, G. (2024). CHBMLI based DSTATCOM for power quality improvemt in a three-phase three-wire distribution system with PI controller. <i>Int J Adv Appl Sci</i> , 13(2), 325-332.
16	Chenchireddy, Kalagotla, et al. "Fundamental frequency switching strategies of a seven level hybrid cascaded H-bridge multilevel inverter." <i>International Journal of Applied</i> 13.2 (2024): 263-268.
17	CHENCHIREDDY, K., Gous Basha, M., KUMAR, V., & Ahmed Sydu, S. (2024). DC Link Voltage Balancing for Enhanced Performance in Multilevel Inverter based DSTATCOM. <i>Majlesi Journal of Electrical Engineering</i>
18	Sreejyothi, K. R., Chenchireddy, K., Srujana, A., Nagaraju, D., Ramcharan, G., & Raghu, D. (2024). Arduino based stepper motor speed regulation for robotics applications. <i>International Journal of Applied</i> , 13(3), 695-702.
19	Babu, T. M., Chenchireddy, K., Kumar, K. K., Nehal, V., Srihitha, S., & Vikas, M. R. (2024). Intelligent control strategies for grid-connected photovoltaic wind hybrid energy systems using ANFIS. <i>Int J Adv Appl Sci</i> , 13(3), 497-506.
20	Babu, T. M., Chenchireddy, K., Kumar, K. K., Nehal, V., Srihitha, S., & Vikas, M. R. (2024). Intelligent control strategies for grid-connected photovoltaic wind hybrid energy systems using ANFIS. <i>Int J Adv Appl Sci</i> , 13(3), 497-506.
Conferences Papers	
1	Chenchireddy, K., Jatavath, S., Yadav, K. K. K., Harsha, M., Ontedhu, N., & Varghese, J. (2025, June). Radio-frequency identification door lock access control system by using Arduino. In <i>AIP Conference Proceedings</i> (Vol. 3291, No. 1, p. 020003). AIP Publishing LLC.
2	Divya, K., Shiva, K., Kancharla, T., Chenchireddy, K., Jagan, V., & Manohar, V. (2025, April). Thermal and Electrical Performance of LiFePO4 Batteries under Standard Charging Conditions. In <i>2025 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM)</i> (pp. 243-247). IEEE.
3	Divya, K., Shiva, K., Kancharla, T., Chenchireddy, K., Jagan, V., & Manohar, V. (2025, April). Thermal and Electrical Performance of LiFePO4 Batteries under Standard Charging Conditions. In <i>2025 5th International Conference</i>

	on Trends in Material Science and Inventive Materials (ICTMIM) (pp. 243-247). IEEE.
4	Zaineb, A., Naresh, J., Sydu, S. A., Chenchireddy, K., Jagan, V., & Ganesh, L. B. (2025, February). Advancements in BLDC Motor Technology for Sustainable Electric Mobility. In 2025 International Conference on Electronics and Renewable Systems (ICEARS) (pp. 263-267). IEEE
5	Jagan, V., Sainath, G., Navyasri, M., Shiva, A., Chenchireddy, K., & Giri, P. (2025, January). Investigations on Novel Extreme-Boost DC-AC Converter. In 2025 International Conference on Next Generation Communication & Information Processing (INCIP) (pp. 875-880). IEEE.
6	Dora, R., Jagan, V., Varma, N. R., Swathi, K., Rao, G. S., & Chenchireddy, K. (2025). Electric Vehicle Charging Station with Hybrid Energy Sources. In E3S Web of Conferences (Vol. 616, p. 03035). EDP Sciences.
7	Sydu, S. A., Al-Jahwari, M. A. A., Al-Housni, M. B. A., Aljabri, A. A. K., Chenchireddy, K., & Mora, M. (2025). A Solar-Powered Vehicle: Design and Implementation. In E3S Web of Conferences (Vol. 616, p. 03025). EDP Sciences.
8	K chenchireddy et all. "Smart IoT-Based Substation Control System for Enhancing Lineman Safety" 6th International Conference on Inventive Research in Computing Applications ICIRCA 2025 25-27, June 2025
9	K chenchireddy et all. "IoT Based Ups Battery Monitoring System With Battery And Supply Changeover " 6th International Conference on Inventive Research in Computing Applications ICIRCA 2025 25-27, June 20
10	M. G. Basha, K. Chenchireddy, S. Ahmed Sydu, w. sultana, V. Kumar and L. B. Ganesh, "Performance Improvement of DC Motor by using ANFIS Controller," 2024 4th International Conference on Pervasive Computing and Social Networking (ICPCSN), Salem, India, 2024, pp. 932-938, doi: 10.1109/ICPCSN62568.2024.00157
11	Srikanth, G., Sravanthi, G., Kumar, T. J., Bhargavi, K. S., Chenchireddy, K., & Roshini, T. (2024, November). Smartpred Hybrid Microgrid Controller Based on Fuzzy Logic Controller. In 2024 3rd Odisha International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON) (pp. 1-7). IEEE.
12	Rajendar, P., Chenchireddy, K., & Pavan, G. (2024, December). Advanced 5L-ANPC Converter Design for PV Applications. In 2024 International Conference on Sustainable Communication Networks and Application (ICSCNA) (pp. 167-171). IEEE.

13	Srujana, B., Chenchireddy, K., Achyutha, R., Vandana, A., & Lekha, H. M. (2024, September). Comparative Study of CHB and RDC Multilevel Inverter Topologies. In 2024 4th International Conference on Soft Computing for Security Applications (ICSCSA) (pp. 629-632). IEEE
14	B. Srujana and K. Chenchireddy, "Electric Vehicle Charging and Temperature Monitoring System," 2024 5th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 2024, pp. 54-57, doi: 10.1109/ICESC60852.2024.10689817
15	Kalagotla Chenchireddy, N. Rajasekhar Varma, Pendem Lasya, N. Paven Kalyan Goud, Meegu Nithin, Mandadi Kumarteja "Source Current Harmonic Cancellation in Distribution System by Using ANFIS ControllerE3S Web Conf. 472 01003 (2024) DOI: 10.1051/e3sconf/202447201003
16	Kalagotla Chenchireddy, N. Rajasekhar Varma, Pendem Lasya, N. Paven Kalyan Goud, Meegu Nithin, Mandadi Kumarteja "Source Current Harmonic Cancellation in Distribution System by Using ANFIS ControllerE3S Web Conf. 472 01003 (2024) DOI: 10.1051/e3sconf/202447201003
17	Rajasekar Varma, Kalagotla Chenchi Reddy, G. Dhasharatha, Varikuppala Manohar, Kotha Kalyan Kumar, Vangala Praveen Kumar "Hybrid Electrical Vehicle Design by Using Solar and Battery SourcesN"E3S Web Conf. 472 01006 (2024) DOI: 10.1051/e3sconf/202447201006
18	N. R. Babu, S. S. Sai, U. Kumar, K. Chenchireddy, K. T. Kumar and M. Naveen, "Optimized Speed Control of BLDC Motor Control by using PID and ANFIS," 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, 2023, pp. 653-658, doi: 10.1109/ICSCNA58489.2023.10370045. (Scopus)
19	A. N. Sridhar, K. Chenchireddy, G. Sraavanthi, B. Thirupathi, C. Preethi and M. Pavan, "Solid Oxide Fuel Cell Interfaced with a Three-Phase Power System," 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, 2023, pp. 697-702, doi: 10.1109/ICSCNA58489.2023.10370101. (Scopus)
20	C. Prasanna, K. Chenchireddy, N. Gayathri, P. Jayanth, P. K. Kumar and V. P. Kumar, "Dynamic Power Optimization and Tracking Control for Permanent Magnet Synchronous Generator-Based Wind Energy Harvesting," 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, 2023, pp. 788-792, doi: 10.1109/ICSCNA58489.2023.10370619. (Scopus)

21	G. S. Kumar, K. Chenchireddy, T. Begum, M. Aniketh, P. M. Kumar and Z. B. Sayeed, "Design and Simulation of Interleaved Boost PFC Converter with PR Controller," 2023 International Conference on Sustainable Communication Networks and Application (ICSCNA), Theni, India, 2023, pp. 778-782, doi: 10.1109/ICSCNA58489.2023.10370282. (Scopus)
22	K. Santhosh, K. Chenchireddy, P. Vaishnavi, A. Greeshmanth, V. M. Kumar and P. N. Reddy, "Time-Domain Control Algorithms of DSTATCOM in a 3-Phase, 3-Wire Distribution System," 2023 International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), Bengaluru, India, 2023, pp. 781-785, doi: 10.1109/IDCIoT56793.2023.10053535. (Scopus)
23	K. R. Sreejyothi, K. Chenchireddy, M. Jahnavi, S. Boini, R. Ganna and V. Prashanth, "Fuel Cell based Grid Connected Two-Level Inverter," 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Erode, India, 2023, pp. 1628-1632, doi: 10.1109/ICSCDS56580.2023.10104523. (Scopus)
24	V. Kumar, Y. M. aniteja Reddy, P. Meghana, M. Prashanth, J. Srilakshmi and K. Chenchireddy, "Grid-Connected Inverter Fed from PV Array," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 1433-1438, doi: 10.1109/ICCMC56507.2023.10083810. (Scopus)
25	K. Chenchireddy, V. Kumar, N. S. Shankar, P. Vamshi, S. Tulasi and K. Radhika, "3-Phase 7-Level Diode Clamped Inverter for Standalone Application," 2023 Third International Conference on Artificial Intelligence and Smart Energy (ICAIS), Coimbatore, India, 2023, pp. 309-314, doi: 10.1109/ICAIS56108.2023.10073661. (Scopus)
26	K. Chenchireddy, M. G. Basha, S. Dongari, P. Kumar, G. Karthik and G. Maruthi, "Grid-Connected 3L-NPC Inverter with PI Controller Based on Space Vector Modulation," 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2023, pp. 94-98, doi: 10.1109/ICACCS57279.2023.10113092. (Scopus)
27	K. R. Sreejyothi, S. Umesh, V. R. Kumar, K. Chenchireddy, Y. A. Sai and B. Nagarjun, "Reduction of THD and Power Quality Improvement by using 48-pulse GTO-based UPFC in the Transmission Systems," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 1466-1470, doi: 10.1109/ICCMC56507.2023.10083821. (Scopus)

28	V. Kumar, K. Chenchireddy, K. R. Sreejyothi, T. Usha, A. Venkatasaireddy and B. Rakesh, "Distribution System Power Quality Improvement using IRP Theory," 2023 7th International Conference on Computing Methodologies and Communication (ICCMC), Erode, India, 2023, pp. 1450-1454, doi: 10.1109/ICCMC56507.2023.10084162. (Scopus)
29	R. Mudigondla, K. Chenchireddy, R. M. Sudhan, P. A. Kumar, Y. Swamy and P. S. Priya, "Induction Motor Speed Control Through Vector Control Approach," 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Erode, India, 2023, pp. 1069-1074, doi: 10.1109/ICSCDS56580.2023.10104959. (Scopus)
30	R. Mudigondla, B. S. G. Reddy, B. Vinitha, P. Vishwateja, A. Kamble and K. Chenchireddy, "Wind - Battery Controller Based Standalone Alternating Current Microgrid Applications," 2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS), Erode, India, 2023, pp. 1063-1068, doi: 10.1109/ICSCDS56580.2023.10104926. (Scopus)
31	T. Madhubabu, A. Anireddy, N. Sahithi, K. S. Krishna Suman, S. Vikas and K. Chenchireddy, "Reduction of Harmonics to Improve Power Quality in Distribution Lines using a Series Active Power Filter," 2023 7th International Conference on Trends in Electronics and Informatics (ICOEI), Tirunelveli, India, 2023, pp. 123- 128, doi: 10.1109/ICOEI56765.2023.10126006. (Scopus)
32	Manjula, K. Chenchireddy, G. S. Shetty, G. Chethala, C. P. Kumar and T. S. Shekar, "Enhancing Grid Connectivity with a Double-Stage PV System," 2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), Erode, India, 2023, pp. 1644-1648, doi: 10.1109/ICSSAS57918.2023.10331806. (Scopus)
33	N. R. Babu, K. Chenchireddy, V. H. V. Reddy, D. Samhitha, P. Apparao and C. p. Kalyan, "Case study on Ni-MH Battery," 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Salem, India, 2023, pp. 1559-1564, doi: 10.1109/ICAAIC56838.2023.10140812. (Scopus)
34	K. R. Sreejyothi, K. Chenchireddy, N. Lavanya, R. M. Reddy, K. Y. G. Prasad and R. Revanth, "Level-Shifted PWM Techniques Applied to Flying Capacitor Multilevel Inverter," 2022 International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2022, pp. 41-46, doi: 10.1109/ICEARS53579.2022.9752074. (Scopus)

35	K. Chenchireddy and V. Jegathesan, "Multi-Carrier PWM Techniques Applied to Cascaded H-Bridge Inverter," 2022 International Conference on Electronics and Renewable Systems (ICEARS), Tuticorin, India, 2022, pp. 244-249, doi: 10.1109/ICEARS53579.2022.9752442. (Scopus)
36	K. Chenchireddy, V. Kumar, E. G, K. R. Sreejyothi, S. A. Sydu and L. B. Ganesh, "Torque Ripple Minimization in Switched Reluctance Motor by Using Artificial Neural Network," 2022 IEEE 2nd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT), Hyderabad, India, 2022, pp. 1-6, doi: 10.1109/SeFeT55524.2022.9909305. (Scopus)
37	V. Kumar, K. Chenchireddy, M. R. Reddy, B. Prasad, B. Preethi and D. S. Raj, "Power Quality Enhancement In 3-Phase 4-Wire Distribution System Using Custom Power Devices," 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2022, pp. 1225-1228, doi: 10.1109/ICACCS54159.2022.9785339. (Scopus)
38	K. Chenchireddy, B. S. Goud, C. M. Sudhan Mudhiraj, N. Rajitha, B. S. Kumar and V. Jagan, "Performance Verification of Full-Bridge DC To DC Converter Used for Electric Vehicle Charging Stations," 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2022, pp. 434-439, doi: 10.1109/ICACCS54159.2022.9785288. (Scopus)
39	K. R. Sreejyothi, Balakrishnakothapalli, K. Chenchireddy, S. A. Sydu, V. Kumar and W. Sultana, "Bidirectional Battery Charger Circuit using Buck/Boost Converter," 2022 6th International Conference on Electronics, Communication and Aerospace Technology, Coimbatore, India, 2022, pp. 63-68, doi: 10.1109/ICECA55336.2022.10009062. (Scopus)
40	K. Chenchireddy, K. R. Sreejyothi and V. Kumar, "Energy Management System Control in Speed and Torque Coupling Parallel Hybrid Electric Vehicle," 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2022, pp. 182-186, doi: 10.1109/ICACCS54159.2022.9785105. (Scopus)
41	K. Chenchireddy, V. Kumar, K. R. Sreejyothi and P. Tejaswi, "A Review on D-STATCOM Control Techniques for Power Quality Improvement in Distribution," 2021 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA), Coimbatore, India, 2021, pp. 201-208, doi: 10.1109/ICECA52323.2021.9676019. (Scopus)

42	K. Chenchireddy, V. Kumar and K. R. Sreejyothi, "Investigation of Performance Vector Control Single-Phase Induction Motor," 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2021, pp. 887-891, doi: 10.1109/ICACCS51430. 2021. 9441773. (Scopus)
43	Chenchireddy, Kalagotla, Khammampati R. Sreejyothi, and V. Kumar. "Comparative investigation of single-phase Distributed Grid-connected with and without D-STATCOM." E3S Web of Conferences. Vol. 309. EDP Sciences, 2021. (Scopus)
44	Chenchireddy, Kalagotla, V. Jegathesan, and L. Ashok Kumar. "Bio-Inspired Algorithms for Elimination of Lower Order Harmonics in Multilevel Inverter." Proceedings of International Conference on Artificial Intelligence, Smart Grid and Smart City Applications, (AISGSC 2019), Jan 03-05,2019
45	Chenchireddy, Kalagotla, V. Jegathesan, and L. Ashok Kumar. "Design of Multilevel Inverter for Renewable Energy Applications with different PWM Techniques" Proceedings of International Conference on Artificial Intelligence, Smart Grid and Smart City Applications, (AISGSC 2019), Jan 03-05,2019
JOURNAL PUBLICATIONS (UGC APPROVED JOURNALS)	
1	V. Kumar, Kalagotla Chenchireddy, Khammampati R. Sreejyothi "Study of 9MW Wind Farm with and without STATCOM Using MATLAB/SIMULINK" CiiT International Journal of Digital Signal Processing Vol 13, No 6 (2021)
2	Kalagotla Chenchireddy, Khammampati R Sreejyothi, V Kumar" A New Closed Loop High Step Up DC- DC Converter for Photo Voltaic Application" CiiT International Journal of Automation and Autonomous System Vol 13, No 3 (2021)
3	Chenchireddy, Kalagotla, V. Jegathesan, and L. Ashok Kumar. "Design and Simulation of a Single Phase Four Level Neutral Point Clamped Inverter." International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2, July 2019 (Scopus)
4	Chenchireddy, Kalagotla, V. Jegathesan, and L. Ashok Kumar. "A Unique Fifteen Level Inverter Topology for Grid Connected Applications" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue- 6S4, April 2019. (Scopus)

5	Sydu, Shabbier Ahmed, Kalagotla Chenchireddy, and Khammampati R. Sreejyothi. "Novel PSO-Fuzzy Logic Based Control Method for Unified Power Quality Conditioner (UPQC) for Harmonic Distribution." Available at SSRN 3852706 (2021).
6	K.Chenchireddy, Kajal "Cascaded H-Bridge Seven Level Inverter for Renewable Energy Sources using Matlab/Simulink" published in "International Journal of Research and Analytical Reviews (IJRAR)" ISSN 2348-1269 Volume 6, Issue 3`September 2018
7	K.Chenchireddy, Waseem Sultana, V Kumar "Interfacing Renewable Energy Sources to the Utility Grid Using a Three-Level Inverter" published in "International Journal of Research and Analytical Reviews (IJRAR)" ISSN 2348- 1269 Volume 5, Issue 3 September 2018
8	K.Chenchireddy, V. Jegathesan "Paper on The Elimination of Harmonics In Cascaded H-Bridge Multilevel Inverters Using Bioinspired Algorithms" published in International Journal for Research in Engineering Application & Management (IJREAM) ISSN : 2454-9150 Vol-04, Issue-05, Aug 2018
9	K.Chenchireddy, V.Jegathesan "A Brief Review on Multilevel Inverter Topologies" published in "Journal of Emerging Technologies and Innovative Research (JETIR)" ISSN 2349-5612 Volume 5, Issue 8 Aug 2018
10	K.Chenchireddy, J.naresh, Sd. Shabbier Ahmed, "Analysis of DVR Performance For Power Quality Improvement Fed to Induction Motor Drive By Using Hybrid Fuzzy Logic Controller" published in "International Journal of Emerging Engineering Science and Technology" ISSN 2454-549X Volume 3 Issue 1 -2017
11	K.Chenchireddy , M.Manohar "Performance Evaluation of a New Closed Loop High Step-up DC-DC Converter for Photo Voltaic Application" published in "International Journal of Scientific Engineering and Technology Research" ISSN 2319-8885 Vol.04, Issue.27, July.2015
12	K.Chenchireddy, K.Priyanka "A New Seven-Level Inverter with Fuzzy Controller for Renewable Energy Sources" published in "International Journal of Scientific Engineering and Technology Research" ISSN 2319-8885 Vol.04, Issue.27, July.

Text Books	
1	K Chenchi Reddy "The Digital Grid: Integrating Ai, IOT, and Renewable Power" Kindle Direct Publishing ISBN: 979-8281393492.
Book Chapters	
1	Chenchireddy, Kalagotla, and V. Jegathesan. "Three-Leg Voltage Source Converter-Based D-STATCOM for Power Quality Improvement in Electrical Vehicle Charging Station." AI Enabled IoT for Electrification and Connected Transportation. Singapore: Springer Nature Singapore, 2022. 235-250
2	Sreejyothi, K. R., Kumar, V., Chenchireddy, K., & Tejaswi, P. (2022). Zero Voltage Switching (ZVS)-Based DC-DC Converter for Battery Input Application. In AI Enabled IoT for Electrification and Connected Transportation (pp. 219-234). Singapore: Springer Nature Singapore.
3	Kumar, V., Chenchireddy, K., Sreejyothi, K. R., & Sujatha, G. (2022). Design and Development of Brushless DC Motor Drive for Electrical Vehicle Application. In AI Enabled IoT for Electrification and Connected Transportation (pp. 201-217). Singapore: Springer Nature Singapore.
4	Chenchireddy, Kalagotla, V. Jegathesan, and L. Ashok Kumar. "Different topologies of inverter: a literature survey." Innovations in Electrical and Electronics Engineering: Proceedings of the 4th ICIEEE 2019 (2020): 35-43.
5	Chenchireddy, Kalagotla, and V. Jegathesan. "A Review Paper on the Elimination of Low-Order Harmonics in Multilevel Inverters Using Different Modulation Techniques." Inventive Communication and Computational Technologies: Proceedings of ICICCT 2020 (2021): 961-971.
6	Chenchireddy, Kalagotla, et al. "Enhanced Power Quality Management with DSTATCOM and Model Predictive Control." Disruptive technologies in Computing and Communication Systems. CRC Press, 2024. 325-331.
7	Vidyasagar, B., Varma, N. R., Dhasharatha, G., & Reddy, K. C. (2024). Design of Electrical Vehicle Lithium Battery Charger Using MATLAB Simulink. In Disruptive technologies in Computing and Communication Systems (pp. 379-385). CRC Press.

Experience:

Teaching	11 YEARS
Industry	6 Months
Research	NIL
Total Experience	11 YEARS 6 Months