

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Summary of Number of quality publications in refereed/SCI Journals, Citations Year Wise

Sl.No.	Academic Year	Number of Papers Published in journals	UGC	Scopus	Web of Science	SCI	Others
1	2024-25	10		8			2
2	2023-24	17		14		2	1
3	2022-23	13		9		1	3
4	2021-22	8		3		1	4
5	2020-21	7	1	6			
Total		55	1	40		4	10

Coordinator

HoD-EEE

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), IBRAHIMBAGH, HYDERABAD – 31
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Summary of Refereed Journal Publications

Sl.No	Name of the Faculty	2024-25	2023-24	2022-23	2021-22	2020-21	Total
1	Dr. M. Chakravarthy	Scopus-2	Scopus-5	Scopus-3	Scopus-1	Scopus-1	12
2	Dr. K. Ravi Kumar	Scopus-3	Scopus-2			UGC-1	6
3	Dr. Ch.V.S.S.Sailaja			Scopus-1			1
4	Dr. G.Sandya Rani		Scopus-1	Others-3	SCI-1 Others-2	Scopus-1	8
5	M.Sreenivasulu		Scopus-4	Scopus-2			6
6	G.Mahesh	Scopus-1	Scopus-1				2
7	U.Elisha		Scopus-1				1
8	N.Uday Kumar	Scopus-1	Scopus-1	Scopus-1			3
9	Dr. P.Ravi	Scopus-2		Scopus-2	Scopus-2	Scopus-2	8
10	P. RajasekharaReddy					Scopus-1	1
11	Dr. Kasi Ramakrishna Reddy		IEEE-2	SCI-1			3
12	Dr.C. Srinivasarathnam						
13	S.K Ruksana	Others-1			Others-2	Dr.G.Pranava Scopus-1	4
Total no.of faculty involved in publication		6	8	7	4	6	
Total Publications		10	17	13	8	7	55

Total Scopus -41, Total SCI-4 and Others- 10

Coordinator

HoD-EEE

Journal Publications

2024-25

S.No.	Name of the Faculty	Month and Year of Publication	Title of the Paper	Name of the Journal	UGC/Scopus/SI/SCI/SCIE / Others	Total number of Authors	First author / Supervisor/ Co-author	ISBN / ISSN number	Citation Index	h-index	Web Links/doi
1	Dr.M.Chakravarthy	July-2024	Power Flow Control between the Grid and Distributed Generation for Dynamic Load Variation with VSC Converter	International Journal of Innovative Science and Research Technology	others	3	Supervisor	2456-2165			https://ijisrt.com/assets/upload/files/IJISRT24JUL1424.pdf
2	Dr.K.Ravikumar	July-2024	A Level Shifted Resonant LED Driver Configuration with Independent Control	International Journal of Intelligent Systems And Applications In Engineering	Scopus	3	Supervisor	2147-6799			https://ijisae.org/index.php/IJISAE/article/view/6476/5311
3	Dr.K.Ravikumar	Aug-2024	A Ripple Free Soft-Switched Integrated Series Resonant Converter for Main and Local LED Lighting Application	Nanotechnology Perceptions	Scopus	3	Supervisor	1660-6795			https://nanontp.com/index.php/nano/article/view/1970
4	G.Mahesh	Aug-2024	Conversion of an Existing 3 – Phase BLDC Hub motor to a 6 – Phase BLDC Hub Motor and their Performance Analysis for EV Application	International Journal of Electrical and Electronics Research	Scopus	3	Author	2347-470X			https://ijeer.forexjournal.co.in/archive/volume-12/ijeer-120332.html
5	Dr.K.Ravikumar	Oct-2024	Performance Enhancement of 3-ph 4-Switch Shunt Active Power Filter with Fuzzy-Based Control for Grid Connected Application	SSRG International Journal of Electrical and Electronics Engineering	Scopus	3	Supervisor	2348-8379			https://doi.org/10.14445/23488379/IJEEE-V11I10P118

6	Dr.M.Chakravathy	Oct-2024	Optimized Energy Management for PV Hybrid Power Systems with DC Bus Voltage Control	International Journal of Electrical and Electronics Research (IJEER)	Scopus	3	Supervisor	2347-470X			https://ijeer.forexjournal.co.in/archive/volume-12/ijeer-120407.html
7	N. Uday Kumar	Dec-2024	Control of T-Type Neutral Point Clamped Inverter for Solar Grid Connected System with Artificial Neural Network Controller	INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH	Scopus	3	Author	1309-0127			https://www.ijrer.com/index.php/ijrer/article/view/14465/0
8	Dr.Ravi Ponnala	March-2025	Modified PMU for Power System Monitoring in Dynamic State and Effective Data Handling	Journal of Information Systems Engineering and Management	Scopus	5	Author	2468-4376			https://jisem-journal.com/index.php/journal/article/view/3974
9	Dr.Ravi Ponnala	March-2025	Power System Monitoring and Fault Identification using Modified PMU	Communications on Applied Nonlinear Analysis	Scopus	5	Author	1074-133X			https://internationalpubs.com/index.php/cana/article/view/4828
10	S.K. Ruksana	June-2025	Direct Space Vector Modulation Technique Based Three Phase Matrix Converter under Fault Condition	i-manager's Journal on Circuits	Others	2	Author	2321-7502			https://www.imanagerpublications.com/productdetails/18/2

S.No.	Name of the Faculty	Month and Year of Publication	Title of the Paper	Name of the Journal	UGC/Scopus/SI/SCIE / Others	Total number of Authors	First author / Supervisor/ Co-author	ISBN / ISSN number	Citation Index	h-index	Web Links/doi
1	M.Sreenivasulu	July-2023	Coordinated control of rotor side converter and grid side converter on 15 kW DFIG using cascaded feedback linearization controllers	Springer-Electrical Engineering	Scopus	4	Co-Author				https://doi.org/10.1007/s00202-023-01926-z
2	Dr.M.Chakravarthy	Aug-2023	Inter-Circuit Fault Classification in Parallel Incomplete Journey Transmission Lines Using Artificial Neural Networks: A MATLAB-Based Approach	International Information and Engineering Technology Association	Scopus	5	Co-Author	1269-6935			https://www.iieta.org/journals/jesa/paper/10.18280/jesa.560303
3	Dr.M.Chakravarthy	Aug-2023	Real And Reactive Power Flow Control Between The Utility Grid And MG System With VSC	Educational Administration: Theory and Practice	Scopus	3	Supervisor	2148-2403			https://kuey.net/index.php/kuey/article/view/6647
4	Dr.G.Sandhya Rani	Aug-2023	Design, Control & Analysis of Hybrid Ac/Dc Microgrid	European Chemical Bulletin	Others	3	Author	2063-5346			https://www.eurchembull.com/uploads/paper/46f6fe770d179336a4e1555f31948943.pdf
5	M.Sreenivasulu	Aug-2023	An Intelligent Mechanism for Enhancing Power Quality in Grid-Tied DFIG Based Wind Energy System Using Simplified Vector-Controlled Statcom	International Journal of Intelligent Systems and Applications in Engineering	Scopus	3	Author	2147-6799			https://ijisae.org/index.php/IJISAE/article/view/3399

6	N.Uday Kumar	Aug-2023	Performance Analysis Of Four-Leg Flying Capacitor Multi-Level Inverter With Artificial Intelligence Controller	International Journal of Research and Analytical Reviews	Scopus	3	Author	2348-1269			https://ijrar.org/archive.php?vol=10&issue=3
7	M.Sreenivasulu	Aug-2023	Performance Analysis of OTC and Improved PSO MPPT Techniques for DFIG-Based Wind Energy Conversion Systems	SSRG International Journal of Electrical and Electronics Engineering	Scopus	4	Author	2348-8379			https://www.internationaljournalsssrg.org/IJEEE/paper-details?Id=559
8	M.Sreenivasulu	Aug-2023	Reactive Power Management at PCC with DFIG Based Wind Energy System	International Journal on Recent and Innovation Trends in Computing and Communication	Scopus	3	Author	2321-8169			https://ijritcc.org/index.php/ijritcc/article/view/8184
9	Dr.Ch.K.Ramakrishna reddy	Oct-2023	An Efficient Soft-Switched LED Driver for Street Lighting Applications With Input Regulation	IEEE Journal of Emerging and Selected Topics in Power Electronics	SCI	4	Co-author	2168-6777	1		https://ieeexplore.ieee.org/document/10190559
10	U.Elisha	Dec-2023	Control of Three-Phase Squirrel Cage Induction Motor by Field Acceleration Method (FAM) for E-Mobility	International Journal of Electrical and Electronics Research	Scopus	2	Author	2347-470X			https://ijeer.forexjournal.co.in/archive/volume-11/ijeer-110432.html
11	Dr.M.Chakravarthy	Dec-2023	Managing Network Congestion in Deregulated Environments Using Chaotic Butterfly-Optimized CNN Approach with Modified Back Propagation	SSRG International Journal of Electronics and Communication Engineering	Scopus	3	Supervisor	2348-8549			https://www.internationaljournalsssrg.org/IJECE/2023/Volume10-Issue11/IJECE-V10I11P107.pdf
12	Dr.K.Ravi Kumar	Jan-2024	Optimization of re-configurable multi-core processors and security based on field programmable gate	Indonesian Journal of Electrical Engineering and	Scopus	6	Co-author	2502-4752			https://ijeecs.iaescore.com/inde

			arrays	Computer Science							x.php/IJEECS/article/view/32507/17893
13	Dr.Ch.K.Ramakrishna reddy	Feb-2024	A Three Leg Asymmetrical Voltage Resonant Converter with Independent Dimming Control for Multiple Load LED Lighting Applications	IEEE Transactions on Industry Applications	SCI	6	Co-author	0093-9994			
14	Dr.K.Ravi Kumar	March-2024	Two Input Buck-Boost Integrated Soft-Switched Ripple Free LED Driver with Reduced Voltage Stress	International Journal of Intelligent Systems And Applications In Engineering	Scopus	3	Supervisor	2147-6799			https://www.ijisae.org/index.php/IJISAE/article/view/5902/4652
15	Dr.M.Chakravarthy	June-2024	Dynamic Power Control In Utility-Connected Microgrids: A Back To Back Converter Approach For Efficient Integration Of Solar And Wind Energy	Journal of Namibian Studies	Scopus	3	Supervisor	2197-5523			https://www.namibian-studies.com/index.php/JNS/article/view/5966
16	Dr.M.Chakravarthy	June-2024	Location of Faults in Six Phase Transmission Line using a Neuro Fuzzy System	Jordan Journal of Electrical Engineering	Scopus	7	Co-author	2409-9619			https://www.jjee.ttu.edu.jo/docs/vol10no3/12_JJEE-2023-09-164_V10N3-24.pdf
17	G.Mahesh	June-2024	A Simple Approach for the Design and Development of 6 – phase winding for high slot – pole count PMBLDC Hub Motor used in EV Applications	International Journal of Intelligent Systems And Applications In Engineering	Scopus	3	Author	2147-6799	21		https://www.ijisae.org/index.php/IJISAE/article/view/6466

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1	N.Uday Kumar	Sept-2022	Design and Performance Analysis of Hybrid Controller for Self Tuning Filter Based Solar Integrated UPQC	INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH	SCOPUS	7	Co-Author	1309-0127			https://www.ijrer.org/ijrer/index.php/ijrer/article/view/12910
2	Ravi Ponnala	Oct-2022	Effective monitoring of power system with phasor measurement unit and effective data storage system	Bulletin of Electrical Engineering and Informatics	SCOPUS	3	Author	2302-9285	1	2	https://beei.org/index.php/EEI/article/view/4085
3	Dr.Ch.K.Ramakrishna Reddy	Nov-2022	Soft-switched full-bridge converter for LED lighting applications with reduced switch current	International Journal of Circuit Theory and Applications	SCI	5	Author	1097-007X		3	https://online.library.wiley.com/doi/abs/10.1002/cta.3494
4	G. Sandhya rani	Dec-2022	Power System Contingency Classification using Machine Learning Technique	Bulletin of Electrical Engineering and Informatics	SCOPUS	3	Author r	2302-9285			https://beei.org/index.php/EEI/article/view/4031
5	Dr.Ch.V.S.S. Sailaja	Dec-2022	Reliability Evaluation of Distribution System Integrated with Distributed Generation	Bulletin of Electrical Engineering and Informatics	SCOPUS	2	Author	2302-9285		2	https://beei.org/index.php/EEI/article/view/4534

6	Ravi Ponnala	Dec-2022	Novel PMU Model for Dynamic State Disturbance Analysis with Effective Data Handling System	International Journal of Electrical and Electronics Research	SCOPUS	3	Author	2347-470X			https://ijeer.forexjournal.co.in/papers-pdf/ijeer-100485.pdf
7	M.Sreenivasulu	March-2023	Voltage regulation of DC micro grid system using PV and battery coupled SEPIC converter	International Journal of Power Electronics and Drive Systems	SCOPUS	3	Author	2088-8694			https://ijpeds.iaescor.com/index.php/IJPEDS/article/view/22139
8	Dr.M.Chakravarthy	May-2023	Congestion Management of Power Systems by Optimal Allocation of FACTS devices using Hybrid Techniques	International Journal of Electrical and Electronics Research (IJEER)	SCOPUS	3	Supervisor	2347-470X			https://ijeer.forexjournal.co.in/archive-volume-11/ijeer-110208.html
9	Dr.M.Chakravarthy	June-2023	Congestion Management Using an Optimized Deep Convolution Neural Network in Deregulated Environment	PROBLEMELE ENERGETICII REGIONALE	SCOPUS	3	Supervisor	1857-0070			https://journal.ie.asm.md/assets/files/11_03_59_2023.pdf
10	Dr.M.Chakravarthy	June-2023	Fuzzy Location Algorithm for Cross-Country and Evolving Faults in EHV Transmission Line	International Journal of Fuzzy Logic and Intelligent Systems	SCOPUS	7	Co-Author	1598-2645		5	https://www.ijfis.org/journal/download_pdf.php?doi=

											10.5391/IJFI S.2023.23.2. 130
11	M.Sreeniva sulu	June- 2023	Study and analysis of modified LMF control method for power quality improvement	International Journal of Power Electronics and Drive Systems (IJPEDS)	SCOPU S	3	Co- Author	2088- 8694,			https://ijpedscore.com/index.php/IJPEDS/article/view/22093
12	G.sandhya Rani	July- 2022	Implementation of Five Level Inverter for Single Stage Grid connected 1MW PV System	Neuroquantology	other	1	Author	1303- 5150			10.48047/nq.2 022.20.5.nq22 822
13	G.Sandhya Rani	Feb- 2022	NEURAL NETWORK BASED POWER FLOW ANALYSIS UNDER DATA UNCERTAINTY	International Journal of Early Childhood Special Education	Other	2	Author	1308- 5581			https://www.int-jecse.net/article/NEURAL+NET+WORK+BASED+POWER+FLOW+ANALYSIS+UNDER+DATA+UNCERTAINTY_5148/

2021-2022

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1	Ravi Ponnala	Feb-2022	Dynamic state power system fault monitoring and protection with phasor measurements and fuzzy based expert system	Bulletin of Electrical Engineering and Informatics	SCOPUS	3	Author	2302-9285	2	2	https://beei.org/index.php/EEI/article/view/3585
2	Dr.M.Chakravarthy	March-2022	Series capacitor-compensated double-circuit transmission line directional relay system using a fuzzy expert system with a Haar wavelet	Iran Journal of Computer Science	SCOPUS	3	Supervisor	2520-8446		5	https://link.springer.com/article/10.1007/s42044-021-00097-z
3	G.Sandhya Rani	MAY 2022	DESIGNING GROUND GRID FOR AN 11KV SUBSTATION USING ETAP	NEUROQUANTOLOGY	Other	1	Author	4321-4325			https://iopscience.iop.org/article/10.1088/1742-6596/1811/1/012055/pdf
4	Ravi Ponnala	June-2022	Performance and comparison of different phasor calculation techniques for the power system monitoring	Bulletin of Electrical Engineering and Informatics	SCOPUS	3	Author	2302-9285	1	2	https://beei.org/index.php/EEI/article/view/3833

5	G.Sandhya Rani	April-2022	Modified Proportionate Affine Projection Algorithm Based Adaptive DSTATCOM Control With Increased Convergence Speed	IEEE Access	SCI	5	Co-Author	2169-3536			https://ieeexplore.ieee.org/document/9761869
6	S.Ruksana	Mar-2022	Modeling, design and analysis of direct space vector modulation technique based three phase matrix converter for different loads	I-Manager's Journal on Electrical Engineering	UGC	1	Author	2230-7176			https://www.proquest.com/openview/9e992670e08345ef0762c55c02638188/1?pq-origsite=gscholar&cbl=2030625
7	S.Ruksana	Dec-21	Simulation of Fuel Cell Matrix Inverter Control by Fuzzy Logic	i-manager's Journal on Electrical Engineering	UGC	1	Author	2230-7176			https://imanagerpublications.com/article/18475
8	G.Sandhya Rani	Dec-21	An Interval Arithmetic-Based Methodology For Reliable Power Flow Analysis With Of Data Uncertainty	Webology	Other	2	Author	1735-188X			https://www.webology.org/abstract.php?id=4776

2020-2021

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1	Ravi Ponnala, Dr.M.Chakravarthy	August-2020	Power System Dynamic State Fault Monitoring And Protection With Phasor Measurements Using Fuzzy Based Expert System	JOURNAL OF CRITICAL REVIEWS	SCOPUS	3	Author , Supervisor	2394-5125			10.31838/jcr.07.17.138
2	G.Sandya Rani, Dr.M.Chakravarthy	September -2020	Power Flow Analysis using a Multilayer Perceptron Neural Network with Interval Arithmetic in the Presence of data Uncertain	International Journal of Advanced Science and Technology	SCOPUS	3	Author , Supervisor	2005-4238			http://sersc.org/journals/index.php/IJAST/article/view/30383
3	Dr.M.Chakravarthy	September -2020	The Mathematical Modeling Validation for Fault Location Technique in Parallel Transmission Lines	Energy Systems, Drives and Automations	SCOPUS	4	Supervisor		2		10.1007/978-981-15-5089-8_13
4	Pranava Gopu	October-2020	Distributed Generation Optimal Allocation Using Two Point Crossover Technique Based Genetic Algorithm	International Journal of Advanced Science and Technology	SCOPUS	2	Supervisor	2005-4238			http://sersc.org/journals/index.php/IJAST/article/view/33067

5	Rajasekhara Reddy Ponduru	October-2020	Comparison of level shifted pulse width modulation techniques for a single phase grid connected hybrid nine level inverter with the less number of switches.	High Technology Letters	SCOPUS	2	Supervisor	1006-6748			http://www.gjstx-e.cn/gallery/31-nov2020.pdf
6	Ravi Ponnala, Dr.M.Chakravarthy	July-2020	Dynamic Power System Monitoring and Protection Using Phasor Measurements and Less Data Storage System	Jour of Adv Research in Dynamical & Control Systems	SCOPUS	3	Author , Supervisor	1943-023X			10.5373/JARDCS/V12SP8/20202564
7	Dr.K.Ravi Kumar	June-2021	Design and Implementation of Grid Connected Solar Inverter using Adaptive Harmonic Elimination Technique	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	UGC	3	Supervisor	2321-9653			https://www.sciencegate.app/app/document/download/10.22214/ijraset.2021.36082