



LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Autonomous)

(Approved by A.I.C.T.E & Affiliated to JNTUK, Kakinada)

Accredited by NBA and NAAC with 'A' Grade

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATION DETAILS FOR LAKSHYA and ANNUAL MAGAZINE- 2023

Journals (SCI/ESCI)

S.No	Name of the Faculty	Title of the paper	Details of the Publication			ISSN No	National / International
			Name of the Journal	Volume	Year		
1	Dr.K. Subbaramaiah	Optimal DG unit placement in distribution networks by multi-objective whale optimization algorithm & its techno-economic analysis	Electrical Power Systems Research (SCI)	214	January 2023		International
		Techno-economic study by Teaching Learning-based Optimization Algorithm for Optimal Placement of DG Units in Distribution Systems	Journal of Scientific & Industrial Research (SCI)	82	February 2023		International
		Economic Analysis by Optimal Placing of DGs in Distribution Networks by Particle Swarm Optimization and Gravitational Search Optimization Algorithm	Distributed Generation & Alternative Energy Journal	38	March 2023		International
2	Dr. B.V.S. Acharyulu	Sea Lion optimized pid+dd control for load frequency control of a hybrid power	SN computer science	32	March 2023		International

		system					
3	Dr. D.Ramesh	Optimal parameter assessment of solar photovoltaic module equivalent circuit using a novel enhanced hybrid GWO-SCA algorithm	Energy Reports (SCI)	8	November 2022		International
4	Dr. D.Ramesh	A comprehensive review of recent strategies on automatic generation control/load frequency control in power systems	Arch computat Methods Eng (SCI)		September 2022		International
5	Dr. D.Ramesh	Fractional order PI lambda D controller with optimal parameters using modified Grey wolf optimizer for AVR system	Archives of control sciences (SCI)	32	2022		International
6	Dr. D.Ramesh	Fixed terminal time fractional optimal control problem for discrete time singular sytem	Archives of control sciences (SCI)	32	2022		International
7	Dr. D.Ramesh	Constrained optimization of brushless DC motor using the salp swarm algorithm	Archives of Electrical Engineering (ESCI)	71	2022		International
8	Dr. D.Ramesh	Hybrid Approach with Combining Cuckoo-Search and Grey-Wolf Optimizer for Solving Optimal Power Flow Problems	Journal of Electrical Engineering & Technology		November 2022		International
9	Dr. D.Ramesh	Solar photo voltaic module parameter extraction using a novel Hybrid Chimp-Sine Cosine Algorithm	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects		February 2022		International
10	Dr. D.Ramesh	Impact of Energy Systems Accumulation on Power System Stability and Stabilization	Energy and Exergy for Sustainable and Clean Environment, Volume 1	Volume 1	July 2022		International

		Methods					
11	Dr. D.Ramesh	A Comprehensive Review of Recent Strategies on Automatic Generation Control/Load Frequency Control in Power Systems	Archives of Computational Methods in Engineering	30	September 2022		International
12	Dr. D.Ramesh	A Review on the Computational Methods of Power System Stabilizer for Damping Power Network Oscillations	Archives of Computational Methods in Engineering	29	February 2022		International
13	Dr. D.Ramesh	Bird Swarm Algorithm Optimized TIDD Controller for Multi-area Load Frequency Control Application	SN Computer Science	4	January 2023		International
14	Mr.T.Papinaidu	Optimal power flow control optimization problem incorporating conventional and renewable generation sources: a review	International Journal of Ambient Energy		January 2023		International
		Optimal Power flow with distributed energy sources using whale optimization algorithm	International Journal of Electrical and Computer Engineering (Accepted to Publish)				International
14	Dr. V. Naresh Kumar	Impact of time delay on performance and stability of inverter fed islanded MG	International journal of Electrical Power & Energy systems	146	October 2022		International

		utilizing internal model controller					
17	Mr. K. Praveen Kumar Yadav	Inductively coupled distributed static compensator for power quality analysis of distributed networks	Journal of electrical systems	2	February 2023		International
		Cascaded inductively coupled DSTATCOM for improved power quality performance	International journal of renewable energy research	4	December 2023		International
15	Mr. J. Vijaychandra	A Review of Distribution System State Estimation Methods and Their Applications in Power Systems	Electronics (SCIE)	12	January 2023		International
	Mr. B. Rama Vara Prasad						
16	Mr. T. Karthik	Control of doubly fed induction generator for power quality improvement: an overview	International journal of System Assurance Engineering and Management	13	August 2022		International

Conferences

S. No.	Name of the Faculty	Title of the Paper	Title of Conference/Seminar	Month & Year	Whether National/ International
1	Mrs. K.Aswini	Interconnected Microgrids: A Review and Future perspectives	2022 IEEE 2nd International Conference on Sustainable Energy and Future Electric Transportation (SeFeT)	October 2022	International
		Voltage Source Converter with Different Control Strategies for a Micro Grid-connected Solar PV with Nonlinear Loads for Current Harmonics Compensation	2022 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT)	August 2022	International

2	Mr. B. Rama Vara Prasad	Application of Renewable Energy in Charging Station for Electric Vehicles: A Comprehensive Review. Smart Energy and Advancement in Power Technologies:	1st International Conference on Smart Energy and Advancement in Power Technologies (ICSEAPT-2021) organized by the Department of Electrical Engineering, in National Institute of Technology Jamshedpur, Jharkhand, India	October 2022	International
	Mr.J.Vijaychandra				
	Mr.B. Sessa Sai				
	Dr. Rohit Babu				
3	Mr. T. Karthik	Hybrid control of grid connected DFIG	2022 IEEE 2 nd International Symposium on Sustainable Energy, Signal Processing and Cyber Security (ISSSC)	February 2023	International
	Mr. B. Ramvaraprasad				
	Mrs. K.Anitha				
	Mrs. K.Nagamani				
	Mrs. T.Sravya				

Book Chapters

S. No.	Name of the Faculty	Title of the Paper	Title of Book	Volume/pp	Month & Year
1	Dr. B.V.S.Acharyulu	Collaborative Control of Voltage and Frequency of an Interconnected Power System Using MFO-Optimized Cascaded PI-PDF Controller	Smart Energy and Advancement in Power Technologies: Select Proceedings of ICSEAPT 2021 Volume 1	1 / 649-658	November 2022
2	Dr. D. Ramesh	Impact of Energy Systems Accumulation on Power System Stability and Stabilization Methods	Energy and Exergy for Sustainable and Clean Environment	1 / 269-280	July 2022

Books

S.No	Name of the Author	Title of the Book	Publisher	Year	ISBN Number
1	Mr.J.Vijaychandra	Fundamentals of Artificial Neural Networks	AIP	2023	978-93-95978-82-8

Patents

SI No	Name of the Faculty	Title of the Patent	Published Date
1	Dr. P. Janaki, Mrs. K. Nagamani, Mrs. K. Anitha	Renewable Green Energy for Sustainable Development Bidirectional	9/12/22
2	Dr. P. Janaki	A system with time-domain modelling-based Fatigue analysis of a wind turbine gearbox	30/12/22
3	Dr. P. Janaki	A system based on Set membership for defect detection in wind turbines with uncertain parameters	30/12/22
4	Dr. P. Janaki, Mrs.B. Vanajakshi	An artificial intelligence-based wind energy storage and electricity generating system and working method thereof	30/12/22
5	Dr. P. Janaki, Dr. V. Naresh Kumar, Mrs. K. Aswini	A parking space detection system for electric vehicles using DEEP learning methods	13/01/23
6	Dr. P. Janaki	A system for controlling an autonomous vehicle arrangement using artificial intelligence	13/01/23
7	Dr. P. Janaki, Mrs. T. Sravya Mrs. A. Praveena	An electric vehicle flexible charging system using internet of things and smart interfaces and working method thereof	13/01/23
8	Dr. P. Janaki	A forecasting system for electric vehicles using machine learning and artificial intelligence	13/01/23

