



Academic Year: 2020-21

Research Publications – Journal Paper

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
1	A Novel Proficient Secure Routing Strategy In Mobile Ad Hoc Frame Using Heuristic-Based Load Balancing Protocol	T.V. Suresh Kumar, Dr. Prabhu G Benakop	Solid State Technology	0038-111X
2	Direct-Driven Permanent Magnet Synchronous Generator Based Wind Energy Conversion System with A Neutral-Point Clamped Grid-Side Converter	Y. Mastanamma, Dr. D. Subbarayudu	The International journal of analytical and experimental modal analysis	ISSN NO:0886-93672
3	Image processing based assessment of explosive energy distribution in mine blast - Case study	Raghu Chandra Garimella, Rajasekhar Ballari, and Rama Sastry Vedala	Advances and Applications in Mathematical Sciences	ISSN 0974-6803
4	Designing an efficient forecasting routing protocol to secure the mobile ad hoc network communication	T.V. Suresh Kumar and Dr. Prabhu G Benakop	Bulletin Monumental	e-ISSN 0007-473X

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METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY, HYDERABAD

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic Year: 2019-20

Research Publications – Journal Paper

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
1	Development of Dust Concentration Model using Artificial Neural Networks	K.V. Nagesha, Garimella Raghu Chandra	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2278-3075
2	Performance Analysis of Direct-Driven PMSG in Wind Energy Conversion System with AC-DC-AC Converters	Y. Mastanamma, Dr. D. Subbarayudu	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2321-9653
3	Direct-Driven Permanent Magnet Synchronous Generator Based Wind Energy Conversion System with A Neutral-Point Clamped Grid-Side Converter	Y. Mastanamma, Dr. D. Subbarayudu	The International journal of analytical and experimental modal analysis	0886-93672

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Research Publications – Journal Paper

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
1	Performance analysis of Enhanced Blowfish over Advanced Encryption Standard for Secure Integrated Circuits	V. Kumara Swamy, Dr Prabhu Benakop	International Journal of Emerging Technology and Advanced Engineering, Page No.288-294 ,Vol.8, Issue No.3	ISSN: 2250-2459
2	Research on Energy Saving MAC Protocol Based on Reporting Service in Wireless Sensor Networks	D.Sailaja, Dr.Prabhu G Benakop	International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE) Vol 5, Issue 2	ISSN:2394-6849.
3	An approach to tap electrical energy from ground vibrations	Garimella Raghu Chandra and Vedala Rama Sastry	American Institute of Physics	0094-243X (print), 1551-7616 (web)
4	VLSI Design flow for Secure Integrated Circuits based on DES, TDES, AES and Blowfish Algorithms and their performance	Kumara Swamy Varkuti, Dr.Prabhu Benakop	International Journal of Engineering & Technology (UAE), Vol.7, No.2.16, Issue.16, April 2018-19, Page No.94-97, DOI: 10.14419/ijet.v7i2.16.11424 (SCOPUS INDEXED JOURNAL	ISSN: 2227-524X
5	Simulation Studies on Multilayer Coatings for Solar Absorptance	M. Muralidhar Singh, K.V. Nagesha, and G. Raghu Chandra	American Institute of Physics	0094-243X (print), 1551-7616 (web)
6	Energy Efficient and Delay Aware P-Mac Protocol for Wireless Sensor Network	D.Sailaja, Dr.Prabhu G Benakop	Journal of Engineering (IOSRJEN)	ISSN (e): 2250-3021, ISSN (p): 2278-8719 Vol. 08, Issue 3 (March2018-19) V2 PP 37-45
7	Development of Empirical Model to Predict Particulate Matter	K.V. Nagesha, M. Muralidhar Singh, and G. Raghu Chandra	American Institute of Physics	0094-243X (print), 1551-7616 (web)
8	Implementation of Low Power Sigma Delta ADC for Broadband Communications	Satish, Dr Prabhu Benakop	CVR Journal of Science and Technology Vol 15 (2018-19): 2018-19-01-15	ISSN:227739 16(E)
9	A Resonant DC- DC Converter for Induction Motor Drive Application	Sitaram Appari, G. Raghu Chandra, Subbi Naidu Bora, S.S. Chandra Prakash	Grenze International Journal of Engineering and Technology	ISSN: 2395-5287, eISSN: 2395-5295
10	Review on Low power wireless sensor network for various	Chandrasekhar Kandagatla and Dr.Prabhu G Benakop	Indian J.Sci.Res. 17(2): 26-28, 2018-19	ISSN: 0976-2876 (Print)

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
	innovative applications			ISSN: 2250-0138(Online)
11	A Novel Approach for Reactive Power Compensation in Wind Farms Using GSC & RSC Control Algorithms	G. Raghu Chandra, Ch.S. Ganga Bhavani, Sitaram Appari	Grenze International Journal of Engineering and Technology	ISSN: 2395-5287, eISSN: 2395-5295
12	Application of TLBO Algorithm Optimized PID controller to Analyse Small Hydropower Plant	Hira Singh and Raghu Chandra Garimella	Grenze International Journal of Engineering and Technology	ISSN: 2395-5287, eISSN: 2395-5295
13	Assessment of MPPT based photovoltaic system: A Critical Review	Hira Singh and Raghu Chandra Garimella	International Journals of Power Electronics Controllers and Converters	eISSN: 2456-1614
14	Improving the Voltage Profile at Load End using DVR	Rajinikanth, Bhumaiah Jula, N Nireekshan	Grenze International Journal of Engineering and Technology	ISSN: 2395-5295, p-ISSN: 2395-5287
15	Analysis of Matrix Converter using Direct Transfer Function Approach	B. Pavankumar, Jarapala Ramesh Babu and V. Saketha	Grenze International Journal of Engineering and Technology, Special Issue	ISSN: 2395-5295, p-ISSN: 2395-5287
16	Improvement of Power Quality in Grid Connected Non Conventional Energy Sources at Distribution Loads	Ramesh Jatoth and N. Nireekshana	Grenze International Journal of Engineering and Technology, Special Issue	ISSN: 2395-5295, p-ISSN: 2395-5287
17	Design and Implementation of Single PHASERV Topology Five Level Inverter	Namburi Nireekshana	Grenze International Journal of Engineering and Technology, Special Issue	ISSN: 2395-5295, p-ISSN: 2395-5287
18	Analysis of PMSG Based Wind Energy Conversion System using MATLAB/Simulink	Y. Mastanamma, Dr D. Subbarayudu	International Journal of Electrical Communication Engineering	
19	Numerical Modelling Based Impact of Ground Vibrations	G. Raghu Chandra, Vedala Rama Sastry, Parvathy	i-manager's Journal on Civil Engineering	ISSN: 2247-0779 (Online), 2231-1068 (Print)
20	Numerical Modelling Based Assessment of Ground Vibrations	Garimella Raghu Chandra and S. Parvathy	Electrical Engineering e-Journal, Elsevier BV	ISSN: 0306-9050
21	Design and Implementation of Energy Efficient SAR Analog to Digital Converter	B. Satish, Prabhu G Benakop	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-8, Issue-1, May 2018-19
22	Permanent Magnet Synchronous Generator fed Wind Energy Conversion System with Boost	Y. Mastanamma, Dr. D. Subbarayudu	Journal of Emerging Technologies and Innovative Research	ISSN-2349-5162

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
	converter and PI controller			
23	Performance Analysis Of Sliding Mode Controller Fed PMSG Based Wind Energy Conversion System	Y. Mastanamma, Dr. D. Subbarayudu	International Journal of Research and Analytical Reviews	E-ISSN 2348-1269, P- ISSN 2349-5138
24	Performance Comparison of Stand Alone Permanent Magnet Synchronous Generator And Squirrel Cage Induction Generator Based Wind Energy Conversion Systems	Y. Mastanamma, Dr. D. Subbarayudu	International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES)	e-ISSN: 2455-2585
25	Permanent Magnet Synchronous Generator for Wind Energy Conversion Systems (WECS)	Y. Mastanamma , Dr D. Subbarayudu	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878
26	Energy Efficient Routing Protocol for Improving Lifetime in 5G Networks	Santosh M Neजार, Prabhu G Benakop	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878

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Academic Year: 2017-18

Research Publications – Journal Paper

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
1	Depressed Power Utilization on 3T Gain Cell EDRAM	B.Sateesh,Dr.Prabhu Benakop	International Journal of Ethics in Engineering & Management Education	ISSN: 2348-4748, Volume 4, Issue 3
2	Optimized SNR For Intersymbol Interference Reduction Over Modified DFZF Equalizer For Packet Erasure Network	Arjun Ghule,Dr.Prabhu G Benakop	International Journal of Research Publications in Engineering and Technology [IJRPET]	ISSN: 2454,-7875
3	Multifunctional Shunt Hybrid Power Filter and Thyristor Controlled Reactor for Distributed Generation Integration and Power Quality Improvement	Sandeepthi Nandhyala, Rajagopal A.N.V.J., Raghu Chandra Garimella	International Journals of Power Electronics Controllers and Converters	eISSN: 2456-1614
4	Application of High Speed Videography and Digital Image Processing Software to Assess Performance of Blasts In Opencast Mines: A Case Study	T. Murali Naik, V.R. Sastry, G. Raghu Chandra, S. Kuili	International Journal of Geological and Geotechnical Engineering	eISSN: 2581-5598
5	Generation of electrical energy from blast induced vibrations	G. Raghu Chandra and V.R. Sastry	International Journal of Analysis of Electrical Machines	2289-3596
6	Implementation of Adaptive Power Oscillation Damping Controller by STATCOM with Energy Storage	Ramesh Jatoth	Imperial Journal of Interdisciplinary Research (IJIR)	ISSN: 2454-1362
7	Control and Design of a Single-Phase Active Device for Power Quality Improvement of Electrified Transportation	Ramesh Jatoth	Imperial Journal of Interdisciplinary Research (IJIR)	ISSN: 2454-1362
8	STATCOM using A Control Scheme for Power Quality Improvement	Jarapala Ramesh Babu & Jatoth Ramesh	Imperial Journal of Interdisciplinary Research (IJIR)	ISSN: 2454-1362
9	Micro Genetic Algorithm based Overload minimization	Jarapala Ramesh Babu	Imperial Journal of Interdisciplinary Research (IJIR)	ISSN: 2454-1362

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
	approach for Transmission Expansion Planning			
10	Control of a Bidirectional Converter to Interface Electrochemical double layer capacitors with Renewable Energy Sources	Namburi Nireekshana	Imperial Journal of Interdisciplinary Research (IJIR)	ISSN: 2454-1362
11	Reactive Power Compensation in High Power Applications by Bidirectional cascaded H-Bridge Based Statcom	Namburi Nireekshana	Imperial Journal of Interdisciplinary Research (IJIR)	ISSN: 2454-1362
12	Electric Vehicle Mathematical Modelling and Simulation Using MATLAB-Simulink	Y. Mastanamma, Dr. M. Aruna Bharathi	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)	e-ISSN: 2278-1676, p-ISSN: 2320-3331
13	Predominance of blowfish over triple data encryption standard symmetric key algorithm for secure integrated circuits using Verilog HDL	Kumara Swamy Varkuti, Dr. Prabhu Benakop	International Journal of Computer Networks & Communications (IJCNC), AIRCC PUBLISHING CORPORATION	ISSN : 0975 – 2293 e-ISSN : 0974 – 9322 doi : 10.5121/ijcnc

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Academic Year: 2016-17

Research Publications – Journal Paper

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
1	Performance Analysis of Grid Connected Hybrid AC/DC Microgrid Using Various Renewable Energy Sources	Balaji Kodanda Ram and Raghu Chandra Garimella	International Journal of Electrical Machines & Drives	2381-4596
2	Ground vibrations & Water Borne Shock Waves caused due to Underwater Blasting in Ports – A Case Study	V. Rama Sastry, G. Raghu Chandra, and C. Karthik	International Journal of Chemical, Environmental & Biological Sciences (IJCEBS)	ISSN 2320-4079 (Printed Version) ISSN 2320-4087 (Online Version)
3	Under Water Blasting for Rock Dredging and Protection of Structures: A Case Study	V. Rama Sastry, G. Raghu Chandra, and C. Karthik	International Journal of Geological and Geotechnical Engineering	ISSN 1878-5220
4	Genetic Algorithm Approach for the Position Control of Permanent Magnetic Synchronous Machine	Garimella Raghu Chandra and Garimella Atchyt	International Journal of Power Electronics Controllers and Converters	e-ISSN: 2456-1614
5	Generation and Accuracy Assessment of Digital Elevation Model Using Digital Photogrammetry and Differential Global Positioning System Techniques	V.R. Sastry, D.V. Reddy, and G. Raghu Chandra, N. Adithya, and S.A. Saiprasad	International Journal of Earth Sciences and Engineering (IJEE)	ISSN 0974-5904
6	Comprehensive study of design and flexible control of a DSTATCOM operating in voltage control mode	Chandra Rakhee B. and Pulla Reddy K.	Anveshana's International Journal of Research in Engineering & Applied Sciences	ISSN:2455-6602
7	High Gain Zero Voltage Switching Bidirectional Converter with Reduced Number of Switches	K. Krishnaiah, Nireekshan, S. Rajesh	International Journal of INNOVATIVE Technology	ISSN 2321-8665
8	A Higher Voltage Multilevel Inverter with Reduced Switches for Industrial Drive	C.S. Pavan Prasad, N.Nireekshan	International Journal of Science, Engineering and Technology Research (IJSETR)	ISSN: 2278-7798

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
9	Investigation of UPQC for power quality distortions in DFIG based wind farms” in The Journal of CPRI	Y. Mastanamma	Power Research, A Journal of CPRI	Print ISSN : 0973-0338

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Academic Year: 2015-16

Research Publications – Journal Paper

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
1	Orthogonal Frequency Division Multiplexing Modulation Scheme for 4G/5G Cellular Network	Santosh M Nejakar, Dr.Prabhu Benakop	European Journal of Advances in Engineering and Technology, 2015-16, 2(3): 46-50	ISSN: 2394 - 658X,
2	LPC models and different speech enhancement techniques-A Review	Arjun Ghule,Dr.Prabhu G Benakop	International journal of innovations in Engineering Research and Technology, paper id-1440005885-July,2015-16,volume -2,issue	ISSN 2394-3696, INPACT FACTOR-2.776(2015-16-16)
3	Modelling and Control of Higher Rating DC Motor with GA Based Optimized PID Controller	Garimella Raghu Chandra and Garimella Atchyt	International Journal of Microelectronics and Digital Integrated Circuits	eISSN : 2456-3988
4	Application of High-Speed Videography in Assessing the Performance of Blasts	Vedala Rama Sastry, G. Raghu Chandra, N. Adithya, and S.A. Saiprasad	International Journal of Geological and Geotechnical Engineering	eISSN: 2581-5598
5	Piezo-Gen - An Approach to Generate Electricity from Vibrations	Raghu Chandra Garimella, Dr. V.R. Sastry, and Mohammed Shoeb Mohiuddin	International Journal Procedia Earth and Planetary Science, Elsevier	ISSN: 1878-5220
6	Three Phase H6 Transformer less PVA Grid Connected Inverter	Shashi Kumar K., S. Rajesh, N. Nireekshan	International Journal of INNOVATIVE Technology	ISSN 2321-8665
7	A high step up resonant boost converter using ZCS with push-pull topology	Maheswar Reddy K., Suresh K.	International Journal of Engineering Research and General Science	ISSN 2091-2730
8	Harmonic Analysis of Doubly Fed Induction Generator for Wind Energy Conversion System Using MATLAB/Simulink	Y. Mastanamma, S. Deepthi	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875
9	A review of LPC methods for enhancement of speech signals	Arjun Ghule, Dr.Prabhu G Benakop	International Journal of Innovations in Engineering Research and Technology, IJIERT, -July,2015,volume-2,issue-7,	



Academic Year: 2014-15

Research Publications – Journal Paper

Sl. No.	Title of paper	Name of the author/s	Name of journal	ISBN/ISSN number
1	High Throughput and High Speed Blowfish Algorithm for Secure Integrated Circuits”	Kumara Swamy Varkuti, Dr.Prabhu Benakop	Annals. Computer Science Series Tome 11, Fasc. 2, "Tibiscus"University of Timișoara, România, Mirton PublishingHouse of Timișoara, România,	ISSN: 1583-7165 (printed journal) ISSN: 2065-7471 (e-journal)
2	Micro Genetic Algorithm Based on Pricing of Reactive Power Service in Deregulated Electricity Markets	Ramesh Babu Jarapala, Bhumaiah Jula, Ramesh Jatoth	International Journal of Ethics in Engineering & Management Education	ISSN: 2348-4748
3	Performance Analysis of Secure Integrated Circuits using Blowfish Algorithm	Kumara Swamy Varkuti, Dr.Prabhu Benakop	Global Journal of Computer Science and Technology, network, web securityVolume XIII Issue XVII Version II(D) Year E 2013USA Incorporation No.: 0423089	Online- ISSN:0975-4172 PRINT:0975-4350

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