



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Hyderabad-500 090

Department of Electrical and Electronics Engineering

AY:2020-21

No. of Publications			No. of Conference Proceedings	
SCI	SCOPUS	UGC	SCOPUS	UGC
2	16	0	25	0

Journal Publications:

SCI Journal Papers:

- [1]. K. Aditya, Phaneendra Babu Bobba and Y. Satyavani, "Design and development of wireless power transfer system for implantable cardioverter defibrillator," International Journal of Applied Electromagnetics and Mechanics, vol.1, no.(2020), pp.1–12, DOI 10.3233/JAE-201524, 2020
- [2]. Usha Rani Vinjamuri and Dr. B. Loveswara Rao, "Efficient energy management system using Internet of things with FORDF technique for distribution system," IET Renewable Power Generation, DOI: 10.1049/rpg2.12055, vol.2020, no.2020, pp.1-13, 2020.

Scopus Journal Papers:

- [1]. V.Geethika Vidmahe, Rekha Mudundi and B.Pakkiraiah, "Closed loop Unity Power Factor Three Phase Induction Motor Drive Using Combined Extinction Angle and PWM Controlled Technique," High Technology Letters, ISSN NO : 1006-6748, vol.27 no.6, pp.563-569, 2021.
- [2]. D. S. Naga Malleswara Rao, Dogga Raveendhra, Devineni Gireesh Kumar, Bharat Kumar Narukullapati, Davu Srinivasa Rao and Srividya Devi Palakaluri, "Comparison Investigation into Power System Optimization and Constraint-Based Generator Load Scheduling Using

- Metaheuristic Algorithms,” ECTI TRANSACTIONS ON ELECTRICAL ENG., ELECTRONICS, AND COMMUNICATIONS VOL.19, NO.2, pp.200-208, JUNE 2021.
- [3]. VadlakondaRanadeep and DoggaRaveendhra, “Control of Capacitively Coupled Impedance source type Wireless Power Transfer Network” High Technology Letters, ISSN NO : 1006-6748, Volume 27, Issue 7, pp.15-20, 2021.
- [4]. N Bharath Kumar, T Ch Anil Kumar, Haqqani Arshad and DSNMRAO, “Design And Analysis Of Different Multi-Level Inverter Topologies For Single Phase Im Drive,” Turkish Journal of Computer and Mathematics Education, vol.12, no.10, pp.4104-4117, 2021.
- [5]. V. Vijaya Rama Raju, K. H. Phani Shree and S. V. Jayarama Kumar, “Development of cost-effective phasor measurement unit for WAMS applications,” International Journal of Electrical and Computer Engineering (IJECE), vol. 11, no. 6, pp. 4731-4739, ISSN: 2088-8708, DOI: 0.11591/ijece.v11i6, December 2021.
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- [7]. G. SAI SURAJ, R.ANIL KUMAR and P.PRASANTH KUMAR, “FUZZY LOGIC BASED A BIDIRECTIONAL DC/DC CONVERTER WITH DUAL-BATTERY ENERGY STORAGE FOR HYBRID ELECTRIC VEHICLE SYSTEM,” High Technology Letters, ISSN NO : 1006-6748, vol.27, no.4, pp.428-439, 2021.
- [8]. Vanukuru Kranthi Kumar and Pakkiraiah B., “Green Energy Integration to Utility Grid with Power Quality Improvement by Using APF,” *Advances in Electrical and Computer Technologies-Lecture Notes in Electrical Engineering-Springer Publisher Singapore*, vol.672, https://doi.org/10.1007/978-981-15-5558-9_100, pp.1179-1191, 2020.
- [9]. P.Srividya Devi, U. Vijaya Lakshmi, M.Rekha and P.Sirisha, “Implementation Of Low Cost Classroom Education Using The Smart Pi Zero,” Turkish Journal of Computer and Mathematics Education, vol.12, no.10, pp.6073- 6077, 2021.
- [10]. Devineni Gireesh Kumar, Aman Ganesh, Neerudi Bhoopal, Sankaranarayanan Saravanan, Madala Prameela, Dsnmrao and Idamakanti Kasireddy, “Evolutionary Algorithms for Real Time Engineering Problems: A Comprehensive Review,” International Information and Engineering Technology Association, <https://doi.org/10.18280/isi.260205>, vol.26, no.2, pp.179-190 April 2021.
- [11]. Krishna Chaitanya Diggavi, Manidhar Thula, Pakkiraiah B, “Solar Tracking System Using IoT,” *Lecture Notes in Electrical Engineering-Springer Publisher*, vol.2020, no.2020, pp.569-578, 2020.
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- [13]. Sarfaraz Nawaz Syed and S. Tara Kalyani, “Performance improvement of Doubly Fed Induction Generator using Grey Wolf Optimization,” International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)-IEEE, 978-1-7281-5791-7/20, DOI: 10.1109/ICAECT49130.2021.9392514, June 29, 2021.

- [14]. V. Satya Keerthi Chandrika and P.Praveen Kumar , “Fuzzy logic based Single-Stage Three-Phase AC-AC Converter for inductive power transfer systems”, High Technology Letters, Volume 27, Issue 4, pp.440-448, ISSN NO : 1006-6748, 2021.
- [15]. V. Vijaya Rama Raju, K. H. Phani Shree and S.V.Jayarama Kumar, “Voltage instability identification with modified L-index using synchrophasor data “,Indonesian Journal of Electrical Engineering and Computer Science, Vol. 23, No. 3, September 2021, pp. 1340-1349, ISSN: 2502-4752, DOI: 10.11591/ijeecs.v23.i3.pp1340-1349.
- [16]. V Vijaya Rama Raju, KH Phani Shree, “Cost effective Synchro Phasor Data Acquisition System for WAMS applications”, Solid State Technology, vol.63, no.6, pp.8969-8978, <http://www.solidstatetechnology.us/index.php/JSST/article/view/5195>.

Conference Proceedings:

SCOPUS Papers:

- [1]. Vanukuru Kranthi Kumar and Pakkiraiah B., “Green Energy Integration to Utility Grid with Power Quality Improvement by Using APF,” *Advances in Electrical and Computer Technologies-Lecture Notes in Electrical Engineering-Springer Publisher Singapore*, vol.672, https://doi.org/10.1007/978-981-15-5558-9_100, pp.1179-1191, 2020.
- [2]. Krishna Chaitanya Diggavi, Manidhar Thula, Pakkiraiah B, “Solar Tracking System Using IoT,” *Lecture Notes in Electrical Engineering-Springer Publisher*, vol.2020, no.2020, pp.569-578, 2020.
- [3]. C. R. Reddy, K. H. Reddy, B. S. Goud and B. Pakkiraiah, "A Deep learning approach for Islanding Detection of Integrated DG with CWT and CNN," *2021 International Conference on Sustainable Energy and Future Electric Transportation (SEFET)*, Hyderabad, India, doi:10.1109/SeFet48154.2021.9375798., pp. 1-7, January 21-23, 2021.
- [4]. Dola Gobinda Padhan, Syed Sarfaraz Nawaz and Padmanabhuni Ravikanth, “A Fractional Order Control Strategy for LFC via Big Bang Big Crunch & Grey Wolf Optimization Algorithms,” *E3S Web of Conferences* 184, 01016, *ICMED 2020*, pp.1-6, 2020.
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