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Hirasugar Institute of Technology, Nidasoshi.

Inculcating Values, Promoting Prosperity

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Publications

2023-24

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.

Research Publications

Sl. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1	Exploring the potential of bidirectional power converters in V2G electric vehicle systems: A comprehensive survey	Keshav B. Negalur	European chemical bulletin	2023	2063-5346
2	Design and implementation of hybrid powered multifunction bicycle	Prof.K.B.Negalur	International Journal of Electrical and Electronics Engineers(IJEEE)	2023	O-ISSN-2321-2055 P-ISSN-2321-2045
3	Design and development of arduino based battery operated vehicle for agriculture application	Prof.O.B.Heddurshetti	International Journal of Electrical and Electronics Engineers(IJEEE)	2023	O-ISSN-2321-2055 P-ISSN-2321-2045
4	Wireless charging system for EV's using solar	Dr.B.V.Madiggond	International Journal of Electrical and Electronics Engineers(IJEEE)	2023	O-ISSN-2321-2055 P-ISSN-2321-2045
5	"Intelligent Agricultural field Monitoring and Controlling System using Renewable Source"	Prof.P.I.Savadatti	International Journal of Electrical and Electronics Engineers(IJEEE)	2023	O-ISSN-2321-2055 P-ISSN-2321-2045
6	Battery management system in PHEV	Prof.K.B.Negalur	International Journal of Electrical and Electronics Engineers(IJEEE)	2023	O-ISSN-2321-2055 P-ISSN-2321-2045
7	Internet of things based vehicle accident prevention and detection system	Dr.B.V.Madiggond	International Journal of Electrical and Electronics Engineers(IJEEE)	2023	O-ISSN-2321-2055 P-ISSN-2321-2045
8	Plant Leaf Disease Detection Using Image Processing	Prof.O.B.Heddurshetti	International Journal of Creative Research Thoughts	2023	ISSN:2320-2882
9	Network Reconfiguration for loss reduction and improvement of voltage profile in electrical distribution system.	Dr.B.V.Madiggond	International Journal of Advanced Research in Science and Engineering(IJARSE)	2023	O-ISSN-2319-8354 P-ISSN-2319-8346



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10	Design and Development of Microcontroller Based Quasi Square Wave Inverter (QSI) for Elevator Illumination application	Dr.B.V.Madiggond	International Journal of Advanced Research in Science and Engineering(IJARSE)	2023	O-ISSN-2319-8354 P-ISSN-2319-8346
11	Exploring the potential of bidirectional power converters in V2G electric vehicle systems: A comprehensive survey	B. V. Madiggond	European chemical bulletin	2023	2063-5347
12	"Electrical Distribution Network Performance Enhancement using DG"	S.D.Hirekodi	International Journal of Engineering Research & Technology (IJERT)	2022	2278-0181
13	"Enhancement of available transfer capability with integration of unified power flow controller"	S.D.Hirekodi	IEEE Xplorer	2022	978-1-6654-0118-0
14	Rail-Box A new form of Renewable energy source	H.R.ZinageS.G.Huddar	International Journal of Creative Research Thoughts	2022	2320-2882
15	"Lossless Compression of Synchrophasor Data in Wide Area Monitoring (WAM) of Power System"	M.P.Yenagimath	International Journal of Innovative Research in Technology(IJIRT)	2021	2349-6002
16	"Impact of DG on Electrical Distribution network under contingency conditions"	O.B.Heddurshetti	IEEE Xplorer indexed by SCOPUS	2021	978-1-6654-3523-9
17	Multi Purpose Agro Machine	Prof. Sujata Huddar, Prof. Mahantesh Tanodi, Mr. Raveendra Janti, Mr. Roshan Antannavar, Mr. Sarjerao Gawade, Mr. Vishal Patil	International Journal of Creative Research Thoughts	2021	2320-2882
18	Smart Agriculture System	Sagar S.Birade	JETIR, UGC care journal	2020	2349-5162
19	Design and Implementation of Z-Source Based Multilevel Inverter	O. B. Heddurshetti	Sambodhi, UGC Care journal	2020	2249-6661



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20	MultiFunctioning Agricultural Robot	S. G.Huddar	JETIR, UGC care journal	2020	2349-5162
21	Robot for War Field with Night Vision Wireless Camers by Android Application	Prof.Shivanand.D.Hirekodi, Prof.Sunita.S.Malaj, Prof.Sujata.S.Kamate	International Journal of Advanced Research in Computer and Communication Engineering	2020	2319-5940
22	Review on Synchrophasor based Data Mining Techniques and Tools	Prof.M.P.Yanagimath, Prof.Shekhappa G.Ankaliki	i-manager's Journal on Power Systems Engineering	2020	2322-0376
23	Performance of wireless power transfer via high frequency resonating coil	Shri M P Yanagimath	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	ISSN: 2349-5162
24	Automated or manual switching of fuel engine to electric motor	Smt. H R Zinage	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	ISSN: 2349-5162
25	Design and implementation of real time system to eliminate power theft in distribution system	Shri Pramod Murari	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	ISSN: 2349-5162
26	An Efficient CDMA system based on Reed Solomon Code (RS code)	Shri. V B Dhere	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	ISSN: 2349-5162
27	Diagnosis of Power Transformer by using Artificial Neural Network	Shri M P Yanagimath	International Journal of Scientific & Engineering Research	2019	ISSN 2229-5518
28	Space Based Solar Power (SBSP): An Emerging Technology	Shri S B Patil	International Journal of Scientific & Engineering Research	2019	ISSN 2229-5518
29	Advanced Hybrid Electric Vehicle	Smt. H R Zinage, Shri. O B Heddurshetti	Journal of Composition Theory	2019	ISSN: 0731-6755
30	Design and Implementation of High Power LED Driver for Industrial Lighting	Shri S D Hirekodi	Journal of Composition Theory	2019	ISSN: 0731-6755
31	Design of Programmable FFT-IFFT Processor	Shri S S Birade, Shri K B Negalur	Journal of Composition Theory	2019	ISSN: 0731-6755
32	Load Equalizer Transformer	Shri M P Yanagimath	Journal of Composition Theory	2019	ISSN: 0731-6755



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33	Virtual Model for Automatic Synchronization of Alternator with Infinite Busbar using MATLAB SIMULINK	Shri Pramod Murari, Shri A U Neshti	Journal of Composition Theory	2019	ISSN: 0731- 6755
34	Review on Distributed Generation in India	Smt. S G Huddar	Journal of Composition Theory	2019	ISSN: 0731- 6755
35	Design and implementation of trans-z source inverter	Shri. O B Heddurshetti	Journal of Emerging Technologies and Innovative Research (JETIR)	2018	2349- 5162