



PARVATHAREDDY BABUL REDDY
VISVODAYA INSTITUTE OF THE TECHNOLOGY & SCIENCE
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

List of Faculty Paper Publications

ACADEMIC YEAR: 2020-2021

S.NO	Title of the Paper	Name of the author/s	Department	Name of journal	Year of publication	ACADEMIC YEAR	ISSN NUMBER	Link to the recognition in UGC enlisted Journal / Digital Object Identifier (doi) Number
1	Downlink beamforming in a two-tier macro femtocell network with decentralized spectrum allocation and partitioning	A.BHAKTHAVACHALA	EEE	IJASEM	VOL 11,ISSUE 3,JULY 2020	2020-21	ISSN:2454-9940	http://ijasem.org/ijasemadmin/upload/ijlbr_650e87947f5b7.pdf
2	Hybrid power estimation in embedded system design using a model-based strategy	B.MADHAVA	EEE	IJASEM	VOL 11,ISSUE.4 OCT 2020	2020-21	ISSN:2454-9940	http://ijasem.org/ijasemadmin/upload/ijlbr_650e893df07bb.pdf
3	Controller Assisted Design: An Interactive Simulation of a Multirate Control Strategy for Dealing with Slow Sensors	ARAVA SUMAN KUMAR REDDY	EEE	IJASEM	VOL 12,ISSUE 1,JAN 2021	2020-21	ISSN:2454-9940	http://ijasem.org/ijasemadmin/upload/ijlbr_650e8a2525e55.pdf
4	An Improved Electronic Load Controller for the Stator Windings of Self-Excited Induction Generators	CH.SWAPNA	EEE	IJCNC	VOL 10,NO.3,JUL-AUG 2020	2020-21	ISSN:2250-3501	https://ijcnwc.com/admin/uploads/A%20New%20Electronic%20Load%20Controller%20for%20the%20Self.pdf
5	Diagnosing Faults in Photovoltaic Arrays through Smart Grid: A Novel Approach	Dr.V.MADHU SUDHAN REDDY	EEE	IJCNC	VOL 10,NO.4,OCT-DEC 2020	2020-21	ISSN:2250-3501	https://ijcnwc.com/admin/uploads/A%20New%20Method%20of%20PV%20Array%20Faults%20Diagnosis%20in%20Smart%20Grid.pdf
6	Sliding Mode Control of a Doubly Fed Induction Generator in Real Time Wind Turbines	Dr.V.MADHU SUDHAN REDDY	EEE	IJCNC	VOL 11,NO 1,JAN-MAR 2021	2020-21	ISSN:2250-3501	https://ijcnwc.com/admin/uploads/A%20Real.pdf
7	An Android-Based Mobile Game's UML Model	G.VENGALA RAO	EEE	IJERST	VOL 14,ISSUE 2,APRIL 2021	2020-21	ISSN:2319-5991	https://ijerst.com/ijerstadmin/upload/ijlbr_650fefbe69fc1.pdf
8	Calculating the Energy Produced by Solar PV Modules: A New Mathematical Model	M.GIRI BABU	EEE	IJERST	VOL 8,ISSUE 4,OCT 2020	2020-21	ISSN:2319-5991	https://ijerst.com/ijerstadmin/upload/ijlbr_650fe923dabf7.pdf
9	Underwater Vehicle Localization with Range Measurements: An Observability Metric	M.SREENU	EEE	IJERST	VOL 14, ISSUE 1,JAN 2021	2020-21	ISSN:2319-5991	https://ijerst.com/ijerstadmin/upload/ijlbr_650fea13e1a42.pdf
10	A Review of Cloud Computing Potential to Improve Online Education	P.ANIL KUMAR REDDY	EEE	IJITCE	VOL 8,ISSUE 3,JULY 2020	2020-21	ISSN:2347-3657	https://ijitce.com/ijitceadmin/upload/ijlbr_650d82a5417b0.pdf
11	An Electric Vehicle Drive System Utilizing a Z-Source Inverter for Permanent-magnet Synchronous Motors	P.RAJAY LAKSHMI	EEE	IJITCE	VOL 8,ISSUE 4,OCT 2020	2020-21	ISSN:2347-3657	https://ijitce.com/ijitceadmin/upload/ijlbr_650d83a35b623.pdf
12	Monitoring agricultural environments via wireless sensor networks	P.VENAKATESWARLU	EEE	IJITCE	VOLUME 9,ISSUE 1,JAN 2021	2020-21	ISSN:2347-3657	https://ijitce.com/ijitceadmin/upload/ijlbr_650d84fdc9960.pdf
13	Parametric active contour and directed balloon energy Tracking textured objects against textured backgrounds using the Walsh-Hadamard transform	S.MUNIRAJA	EEE	IJMECE	VOL 8,ISSUE 3,JULY 2020	2020-21	ISSN:2321-2152	http://ijmece.com/ijmeceadmin/upload/ijlbr_650d8a0caf467.pdf
14	Accelerating Biomedical Image Processing Applications using BioThreads, a Novel VLIW-Based Chip Multiprocessor	S.AMALA	EEE	IJMECE	VOL 8,ISSUE 4,OCT 2020	2020-21	ISSN:2321-2152	http://ijmece.com/ijmeceadmin/upload/ijlbr_650d8b3e75cbb.pdf
15	Information System Hosted in the Cloud to Promote Rural Tourism	T.HARI BABU	EEE	IJMECE	VOL 9,ISSUE 1,JAN 2021	2020-21	ISSN:2321-2152	http://ijmece.com/ijmeceadmin/upload/ijlbr_650d8e2542754.pdf
16	Fault current limiting devices for a 110 kV/100 MW power network: a comparison of superconducting and conventional technologies	Dr.V.MADHU SUDHAN REDDY	EEE	IJMMSA	VOL 12,ISSUE 3,JULY 2021	2020-21	ISSN:0973-8355	http://ijmmsa.com/ijmmsaadmin/upload/ijlbr_650da613e5ecb.pdf
17	Gaussian half-duplex cooperative compression for relay channels	Dr.RAJASELVAM	EEE	IJMMSA	VOL 12,ISSUE 4,OCT 2021	2020-21	ISSN:0973-8355	http://ijmmsa.com/ijmmsaadmin/upload/ijlbr_650da70757e77.pdf
18	Engineering and Security Best Practices for Machine Learning-based Internet of Things Devices	CH.SWAPNA	EEE	IJBAR	VOL 13,ISSUE 1, JAN 2021	2020-21	ISSN:2249-3352	https://ijbar.org/admin/uploads/If%20security%20is%20required.pdf
19	Control Electronics with Your Voice Using Bluetooth-Based Spoken Queries	Dr.V.MADHU SUDHAN REDDY	EEE	ijasem	VOL 11,ISSUE 3,JULY 2020	2020-21	ISSN:2454-9940	https://ijasem.org/ijasemadmin/upload/ijlbr_650e86b09cd00.pdf
20	Reinforcement Learning In CRNN and GRU For Audio Captioning	A.BHAKTHAVACHALA	EEE	ijasem	VOL 11,ISSUE 4,OCT 2020	2020-21	ISSN:2454-9940	https://ijasem.org/ijasemadmin/upload/ijlbr_650e87ef2bd93.pdf

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21	Multi-Robot Systems: A Review of Pattern Formation and Adaptation	ARAVA SUMAN KUMAR REDDY	EEE	ijasem	VOL 12,ISSUE 1,JAN 2021	2020-21	ISSN:2454-9940	https://ijasem.org/ijasemadmin/upload/ijlbrp_650e8a2525e55.pdf
22	An Internet-of-Things and fog computing-based exam security system	B.MADHAVA	EEE	ijcnwc.com	VOL 10,NO 3,JUL-AUG 2020	2020-21	ISSN:2250-3501	https://www.ijcnwc.com/admin/uploads/A%20SECURITY%20SYSTEM%20FOR%20EXAMS%20USING%20AN%20IoT%20AND%20FOG%20COMPUTING%20ENVIRONMENT.pdf
23	A Stage of the art Review of network and Mobile Communications Technologies	CH.SRINIVASULU REDDY	EEE	ijcnwc.com	VOL 10,NO.4,OCT-DEC 2020	2020-21	ISSN:2250-3501	https://www.ijcnwc.com/admin/uploads/A%20SURVEY%20ON%20MOBILE%20COMMUNICATIONS%20AND%20NETWORK%20TECHNOLOGIES.pdf
24	Audio source separation: speeding up nonnegative matrix factorization on many-core and multicore architectures	CH SWAPNA	EEE	ijcnwc.com	VOL 11,NO 1,JAN-MAR 2021	2020-21	ISSN:2250-3501	https://www.ijcnwc.com/admin/uploads/ACCELERATING%20NON-NEGATIVE%20MATRIX%20FACTORIZATION%20FOR%20AUDIO%20SOURCE%20SEPARATION%20ON%20MULTI-CORE%20AND%20MANY-CORE%20ARCHITECTURES.docx.pdf
25	Industrial Internet of Things Environments: Assessing a SemanticThing-to-Service Matching Method	LML NARAYANA REDDY	EEE	ijerst	VOL 8,ISSUSE 3,JULY 2020	2020-21	ISSN:2319-5991	https://ijerst.com/ijerstadmin/upload/ijlbrp_650e7bfc9b058.pdf
26	Examining how cybercriminals target certain parts of Internet ofThings infrastructures	Dr.G.SAI KUMAR	EEE	ijerst	VOL 14,ISSUE 1,JAN 2021	2020-21	ISSN:2319-5991	https://ijerst.com/ijerstadmin/upload/ijlbrp_650f056d0f0f0.pdf
27	Super-resolution in a single picture using an anchored deep network	G.SUMAN	EEE	ijitce	VOL 8,ISSUE 3,AUG 2020	2020-21	ISSN:2347-3657	https://ijitce.com/ijitceadmin/upload/ijlbrp_650e849731a4c.pdf
28	Optimization Algorithm Inspired by Artificial Bee Colonies to Improve Wireless Network Routing	G.VENGALA RAO	EEE	ijitce	VOL 8,ISSUE 4,OCT 2020	2020-21	ISSN:2347-3657	https://ijitce.com/ijitceadmin/upload/ijlbrp_650e87b5f211f.pdf
29	Using Convolutional Neural Networks for Automatic White Blood Cell Cancer Detection in Bone Marrow Micrographs	I J ABHISHITHA	EEE	ijitce	VOL 9,ISSUE 1,JAN 2021	2020-21	ISSN:2347-3657	https://ijitce.com/ijitceadmin/upload/ijlbrp_650e88e077e12.pdf
30	Enhancing the Non-Geometric Stochastic Model for Vehicle-to-Vehicle Channels Outside of the WSSUS	Dr.RAJASELVAM	EEE	ijitce	VOL 8,ISSUE 4,OCT 2020	2020-21	ISSN:2347-3657	https://ijitce.com/ijitceadmin/upload/ijlbrp_650f02345395b.pdf
31	Optical Character Recognition-Based Automatic Number Plate Recognizing System	K.HARSHA VARDHANA REDDY	EEE	ijmece	VOL 8,ISSUSE 3,SEP 2020	2020-21	ISSN:2321-2152	https://www.ijmece.com/ijmeceadmin/upload/ijlbrp_650e8ba29c1db.pdf
32	Internet of Things-Based Bridge Monitoring and Alerting System	S.AMALA	EEE	ijmece	VOL 8,ISSUE 4,OCT 2020	2020-21	ISSN:2321-2152	https://www.ijmece.com/ijmeceadmin/upload/ijlbrp_650e8d7decee5.pdf
33	Open Source Networking Technologies That Bridge the Gap between Hardware and Software	M.GIRI BABU	EEE	ijmece	VOL 8,ISSUE 1,JAN 2021	2020-21	ISSN:2321-2152	https://www.ijmece.com/ijmeceadmin/upload/ijlbrp_650e8f2fb7110.pdf
34	Improve Student Performance in a Digital Signal Processing Course with Cooperative Study	V BHARATHA KUMAR	EEE	ijmmsa	VOL 11,ISSUSE3 SEP 2020	2020-21	ISSN:0973-8355	https://ijmmsa.com/ijmmsaadmin/upload/ijlbrp_650e8bbdda453.pdf
35	Collaboration Among Exploration and Mapping Robots	M.SRINU	EEE	ijmmsa	VOL 11,ISSUE 4,OCT 2020	2020-21	ISSN:0973-8355	https://ijmmsa.com/ijmmsaadmin/upload/ijlbrp_650e8cb0575bb.pdf
36	Factors That Matter Most When It Comes to Pre-Service Teachers Using IoT In The Classroom	M.VENKATESH	EEE	ijmmsa	VOL 12,ISSUE 1,JAN 2021	2020-21	ISSN:0973-8355	https://ijmmsa.com/ijmmsaadmin/upload/ijlbrp_650e8db0613ad.pdf
37	Wireless sensor networks have several potential uses for monitoring agricultural environments.	A.BHAKTHAVACHALA	EEE	AES	Aug-21	2020-21	ISSN:2456-5083	https://advancedengineeringsciences.com/pdf/AES_357.pdf
38	Advanced Metering Infrastructure: A Survey	P.RAJAY LAKSHMI	EEE	AES	Dec-20	2020-21	ISSN:2456-5083	https://advancedengineeringsciences.com/pdf/AES_361.pdf
39	The Optimal Location and Sizing of a Distribution Static Compensator in a New Stochastic Framework	A.BHAKTHAVACHALA	EEE	AES	Aug-21	2020-21	ISSN:2456-5083	https://advancedengineeringsciences.com/pdf/AES_362.pdf
40	An Android-Based Mobile Game's UML Model	CH.SWAPNA	EEE	IJCNC	Feb-20	2020-21	ISSN:2250-3501	https://ijcnwc.com/admin/uploads/An%20Android-Based%20Mobile%20%20FEB-2023.pdf
41	Z-source inverter used in electric vehicle's permanent-magnet synchronous motor drive system	P.SUNIL KUMAR	EEE	IJCNC	Jun-21	2020-21	ISSN:2250-3501	https://ijcnwc.com/admin/uploads/Z-source%20inverter%20used%20in%20electric%20-2021.pdf
42	A new series reversion-based Omega-K algorithm for SAR imaging with a circular trajectory scan	CH.SRINIVASULU REDDY	EEE	IJASEM	Jun-21	2020-21	ISSN:2456-5083	https://ijasem.org/ijasemadmin/upload/ijlbrp_645fe20506bf6.pdf

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43	Eliminating the Effect of Load Variation on a Boost Converter's Predictive Current using an EKF	Y.VAMSI BABU	EEE	YIDDISH	Oct-20	2020-21	ISSN:0364-4308	https://yiddishjournal.com/admin/uploads/OCT-2020.pdf
44	Wireless sensor networks have several potential uses for monitoring agricultural environments.	Y.DAVIDU	EEE	AES	Aug-21	2020-21	ISSN:2456-5083	https://advancedengineeringsciences.com/pdf/AES_357.pdf
45	Advanced Metering Infrastructure: A Survey	G. SUMAN	EEE	AES	Dec-20	2020-21	ISSN:2456-5083	https://advancedengineeringsciences.com/pdf/AES_361.pdf
46	The Optimal Location and Sizing of a Distribution Static Compensator in a New Stochastic Framework	V.MASTHANAIHAH	EEE	AES	Aug-21	2020-21	ISSN:2456-5083	https://advancedengineeringsciences.com/pdf/AES_362.pdf
47	An Android-Based Mobile Game's UML Model	Y.DAVIDU	EEE	IJCNC	Feb-20	2020-21	ISSN:2250-3501	https://ijcnc.com/admin/uploads/An%20Android-Based%20Mobile%20%20FEB-2023.pdf
48	An Android-Based Mobile Game's UML Model	Dr.V.MADHU SUDHAN REDDY	EEE	IJCNC	Feb-20	2020-21	ISSN:2250-3501	https://ijcnc.com/admin/uploads/An%20Android-Based%20Mobile%20%20FEB-2023.pdf
49	Z-source inverter used in electric vehicle's permanent-magnet synchronous motor drive system	Dr.V.MADHU SUDHAN REDDY	EEE	IJCNC	Jun-21	2020-21	ISSN:2250-3501	https://ijcnc.com/admin/uploads/Z-source%20inverter%20used%20in%20electric%20-2021.pdf
50	A new series reversion-based Omega-K algorithm for SAR imaging with a circular trajectory scan	S.MUNIRAJA	EEE	IJASEM	Jun-21	2020-21	ISSN:0364-4308	https://ijasem.org/ijasemadmin/upload/ijlbps_645fe20506bf6.pdf
51	Eliminating the Effect of Load Variation on a Boost Converter's Predictive Current using an EKF	M.GIRI BABU	EEE	YIDDISH	Oct-20	2020-21	ISSN:0364-4308	https://yiddishjournal.com/admin/uploads/OCT-2020.pdf

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