

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
Department of Electrical and Electronics Engineering
PUBLICATIONS SUMMARY
ACADEMIC YEAR: 2019-2020

S.No	List of authors	Department	Title of the paper	Name of the Journal/Conference/Book	Month and Year of Publication	ISSN/ISBN
1	Dr. B. Praveen Kumar	EEE	Experimental investigation on output power enhancement of partial shaded solar photovoltaic system	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Jun-20	1556-7036
2	Mr. Rohit Babu	EEE	Towards Smart Energy Grids: A Box-Constrained Nonlinear Underdetermined Model for Power System Observability Using Recursive Quadratic Programming	Energies	Apr-20	1996-1073
3	Mr. Rohit Babu	EEE	Optimal placement of PMU for complete observability of the interconnected power network considering zero-injection bus: A numerical approach	International Journal of Applied Power Engineering (IJAPE)	Aug-20	2252-8792
4	Mr. Muruga Perumal	EEE	Real time assessment of power quality issues in 11 kV/440 V distribution feeder using distribution static synchronous compensator	Transactions of the Institute of Measurement and Control	May-20	0142-3312
5	Mr. Muruga Perumal	EEE	Optimum design of hybrid renewable energy system through load forecasting and different operating strategies for rural electrification	Sustainable Energy Technologies and Assessments	Feb-20	2213-1388
6	Mr. Muruga Perumal	EEE	Optimum design and analysis of HRES for rural electrification: a case study of Korkadu district	Soft Computing	Jan-20	1432-7643
7	Dr. B. Praveen Kumar	EEE	Performance improvement of solar PV array topologies during various partial shading conditions	Soalr Energy	Jan-20	0003-092X
8	Mr. Muruga Perumal	EEE	Feasibility design and techno-economic analysis of hybrid renewable energy system for rural electrification	Solar Energy	Aug-19	0038-092X
9	Mr. Muruga Perumal	EEE	Integrated energy management system employing pre-emptive priority based load scheduling (PEPLS) approach at residential premises	Energy	Nov-19	0360-5442
10	Dr. M. MADHARASAN	EEE	Modeling and Implementation IoT Based Transmission Line Monitoring, Protection and Control	Water and Energy International	Sep-19	0974-4207
11	Mr. T. Sukanth	EEE	Improvement of Power Quality using DVR by Different Control Techniques	International Journal of Recent Technology and Engineering (IJRTE)	Sep 2019	2277-3878
12	Dr. Santhan Kumar Ch	EEE	A PSO based MPPT Technique for PV System under Dynamically Changing PSC	International Journal of Recent Technology and Engineering (IJRTE)	Aug-19	2277-3878
13	Dr. B. Praveen Kumar	EEE	Integrated Probabilistic Relevancy Classification (PRC) Scheme for Intrusion Detection in SCADA Network	Lecture Notes in Networks and Systems	Aug-19	978-981-13-9573-4
14	Ms. Mounica Nutakki	EEE	Relay Coordination with Delay Latency for a LMI based LFC Model	Proceedings of Fifth International Conference on Inventive Computation Technologies (ICICT-2020)	Feb-20	978-1-7281-4684-3
15	Dr. Santhan Kumar Ch	EEE	Modelling of Switched Reluctance Motor Drive for Electric Vehicle Application	International Conference on Green Power Technology in Power Grid : Issues, Challenges & Control (ICGPTG-2019)	Dec-19	978-93-88808-67-5
16	Dr. Santhan Kumar Ch	EEE	WLS State Estimation of Electric Power System	International Conference on Green Power Technology in Power Grid : Issues, Challenges & Control (ICGPTG-2019)	Dec-19	978-93-88808-67-5
17	Dr. J. Bhagwan Reddy	EEE	Design of Roof top Solar Photovoltaic System	8 th world conference on Applied sciences, Engineering and management	2019	
18	Dr.Arulprakash Andigoundar	EEE	Smart Card Based E-Car Battery Charger	Proceedings of NATIONAL CONFERENCE ON FAST EMERGING TRENDS IN ENGINEERING AND TECHNOLOGY (NCOFEET-2K19)	Sep-19	978-93-82829-43-0
19	Dr.Ramji Tiwari	EEE	RBFN Based Mppt Control With Quadratic Boost Converter For PV Applications	Proceedings of NATIONAL CONFERENCE ON FAST EMERGING TRENDS IN ENGINEERING AND TECHNOLOGY (NCOFEET-2K19)	Sep-19	978-93-82829-43-0
20	Dr.N.Naga shekara Reddy	EEE	DECOUPLED ACTIVE AND REACTIVE POWER CONTROL OF GRID CONNECTED DFIG	Proceedings of NATIONAL CONFERENCE ON FAST EMERGING TRENDS IN ENGINEERING AND TECHNOLOGY (NCOFEET-2K19)	Sep-19	978-93-82829-43-0
21	Dr. J. Bhagwan Reddy	EEE	RELIABILITY ASSESSMENT OF GRID CONNECTED SOLAR PHOTO VOLTALIC SYSTEM	Proceedings of NATIONAL CONFERENCE ON FAST EMERGING TRENDS IN ENGINEERING AND TECHNOLOGY (NCOFEET-2K19)	Sep-19	978-93-82829-43-0
22	Mr. Muruga Perumal	EEE	Techno Economic Analysis of Hybrid Renewable Electrification System in Different Climatic Zones	International Conference on Emerging Trends in Electrical, Communications, and information Technologies (Springer Lecture Notes in EE)	Sep-19	978-981-13-8941-2
23	G.Kumaraswamy Rao, Prof. (Dr).M.Madhavi Latha	ECE	New Techniques To Overcome The Effect Of Fading On The Power Requirements Of Mobile Jammers Protecting VVIP Convoys From RAIEDS	The Bomb Shell of National Security Guard, Volume 30	Feb-20	--
24	Bandan Bhoi; Neeraj Kumar Misra; Manoranjan Pradhan	ECE	Synthesis and Simulation Study of Non-Restoring Cell Architecture Layout in Perpendicular Nano-Magnetic Logic	Journal of Computational Electronics, Springer (Impact Factor 1.637)	24-Dec-19	DOI: 10.1007/s10825-019-01432-1, ISSN: 1569- 8025
25	Anil Kumar Sahu; Vivek Kumar Chandra; G R Sinha	ECE	An Efficient CTDSM Based On GM-C Quantizer and Improved Dynamic Element Matching	IET Circuits, Devices & Systems (Impact Factor 1.277)	2020	DOI: 10.1049/jet-cds.2019.0404, Print ISSN 1751- 858X, Online ISSN 1751-8598

26	S.Bagyalakshmi, A. Sivakamb, K.S.Balamurugan	ECE	A ZnO nanorods based enzymatic glucose biosensor by immobilization of glucose oxidase on a chitosan film	Obesity Medicine, Elsevier (Scopus)	31-Mar-20	DOI: https://doi.org/10.1016/j.obmed.2020.100229 , ISSN: 2451-8476
27	L. Bhagyalakshmi, Sanjay Kumar Suman & T. Sujethadevi	ECE	Joint Routing and Resource Allocation for Cluster Based Isolated Nodes in Cognitive Radio Wireless Sensor Networks	Wireless Personal Communications An International Journal , Springer (Impact Factor 0.929)	11-Jun-20	DOI: https://doi.org/10.1007/s11277-020-07543-4 , Electronic ISSN 1572-834X
28	Bandan Kumar Bhoi, Neeraj Kumar Misra, Ipsita Dash, Sonali Panda, Ankita Patra	ECE	Design of median filter in quantum-dot cellular automata for image processing applications	Advances and Applications in Mathematical Sciences, Mili Publications (ESCI indexed)	Jul-19	DOI: https://doi.org/10.1007/978-981-10-8228-3_35 , Online ISBN 978-981-10-8228-3
29	Neeraj Kumar Misra, Bibhash Sen, Subodh Wairya, Bandan Bhoi	ECE	A Novel Parity Preserving Reversible Binary-to-BCD Code Converter with Testability of Building Blocks in Quantum Circuit	Advances in Intelligent Systems and Computing book series (AISC, volume 712), Springer (Scopus indexed)	24-Jul-18	DOI: https://doi.org/10.1007/978-981-10-8228-3
30	Dr. K S Balamurugan	ECE	Agriculture Resources for Plant-Leaf Disease Using Deep Learning Techniques	International Journal of Advanced Science and Technology (Scopus indexed)	2020	ISSN: 2005-4238
31	T. Srujana, Dr Papiya Dutta, Mohammad Javed	ECE	Blind model based fusion of multiband images using image enhancement and a novel fusion algorithm	Journal of Xian University of architecture & Technology (Scopus indexed)	2020	ISSN No. 1006-7930
32	K S BALAMURUGAN, A.SIVAKAMI	ECE	LoRa-IoT Based Self-Powered Multi-Sensors Wireless Network For Next Generation Integrated Farming	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	2019	ISSN 2277-8616
33	Jitendra Kumar, Dr. Anil Kumar Sahu, Mr. Ravi Tiwari	ECE	High Performance Viterbi Decoder Using Field Programmable Gate Array	International Research Journal of Modernization in Engineering Technology and Science, Volume:02/Issue:04/April-2020	Apr-20	e-ISSN: 2582-5208
34	Bharathi Anantha ; Lakshminarayana Merugu	ECE	Dual-band Rectangular Dielectric Resonator Antenna	IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, Atlanta, GA, USA, USA	7-12 July 2019	DOI: 10.1109/APUSNCURSI.2019.8888375, Electronic ISSN: 1947-1491
35	Rambabu Vatti ; Nagarajuna Vatti ; Prasanna Lakshmi Vatti	ECE	Throughput Improvement of Wireless Personal Area Networks using Route Optimized Multi hop Algorithm	IEEE International Conference on Smart Systems and Inventive Technology (ICSSIT).	27-29 Nov. 2019	Electronic ISBN: 978-1-7281-2119-2, DOI: 10.1109/ICSSIT46314.2019.8987763
36	Dr. Anil Kumar Sahu, Jitendra Kumar, Ravi Tiwari	ECE	Power Consumption and Performance Analysis of Viterbi-Decoder Using FPGA	In 5th IEEE International Conference On Communication And Electronics Systems (ICCES 2020), PPG Institute Of Technology, Coimbatore, India.	June 10-12, 2020	Scopus Source ID: 21100810605
37	Prof. Dr. Sanjay Kumar Suman	ECE	Smart Speech Glove for Deaf and Dumb using Hand Gester Technique	International Conference ICAICC 2020, Rohini College of Engineering and Technology	26th May, 2020	DOI: 10.1109/APUSNCURSI.2019.8888375, Electronic ISSN: 1947-1491
38	R. Praveen, M. Raymon Aditya, R.S. Rishi Gowtham, L. Bhagyalakshmi, Sanjay Kumar Suman	ECE	Identifying Glaucoma Using Deep Learning	International Conference ICAICC 2020, Rohini College of Engineering and Technology	26th May, 2020	DOI: 10.1109/APUSNCURSI.2019.8888375, Electronic ISSN: 1947-1491
39	Dr. Sanjay Kumar Suman	ECE	Energy Consumption Monitoring System	EDGE 2020, International Conference on Engineering Digital Green Era.	12-Mar-20	--
40	G. Kumaraswamy Rao, Madhavi Latha	ECE	Protection Against IED (Improved Explosive Device) a Dreaded and Fearful Weapon of Terrorist-Problems, Solutions and Challenges	Advance in Decision Sciences, Image Processing, Security and Computer Vision	23-Aug-19	DOI: https://doi.org/10.1007/978-3-030-24318-0_26 , ISBN 978-3-030-24318-0
41	Nirupma Pathak, Santosh Kumar, Neeraj Kumar Misra & Bandan Kumar Bhoi	ECE	A Modular Approach for Testable Conservative Reversible Multiplexer Circuit for Nano-Electronic Confine Application	International Nano Letters, Springer, Berlin Heidelberg	11-Oct-19	DOI: https://doi.org/10.1007/s40089-019-00283-9
42	Bandan Kumar Bhoi, Neeraj Kumar Misra, Ipsita Dash, and Ankita Patra	ECE	A Redundant Adder Architecture in Ternary Quantum-Dot Cellular Automata	Smart Intelligent Computing and Applications, Springer, Singapore.	27-Sep-19	"DOI: https://doi.org/10.1007/978-981-13-9282-5_35 , ISBN 978-981-13-9282-5"
43	Bandan Kumar Bhoi, Neeraj Kumar Misra, Shailesh Singh Chouhan, Sarthak Acharya	ECE	Analyzing Design Parameters of Nano-Magnetic Technology Based Converter Circuit	Communications in Computer and Information Science (CCIS), Springer, Singapore	18-Aug-19	"DOI: https://doi.org/10.1007/978-981-32-9767-8_4 , ISBN 978-981-32-9767-8"
44	Bandan Bhoi; Neeraj Kumar Misra; Lafifa Jamal, Manoranjan Pradhan	ECE	Low-Cost Synthesis Approach for Reversible Authenticator Circuits in QCA Environment	The International Journal of Nanoelectronics and Materials	6-Apr-19	ISSN: 1985-5761
45	Bandan Kumar Bhoi, Neeraj Kumar Misra, and Manoranjan Pradhan	ECE	Analysis on Fault Mapping of Reversible Gates with Extended Hardware Description Language for Quantum Dot Cellular Automata Approach	SENSOR LETTERS, American Scientific Publishers	May-19	DOI: https://doi.org/10.1166/sl.2019.4078 , ISSN: 1546-198X

46	Anuradha Kumari, Naveen Rathee, VLSI, Vikas Maheshwari	ECE	On FPGA Implementation of Biometric EVM using AADHAAR Authentication	International Journal of Recent Technology and Engineering (IJRTE)	Sep-19	ISSN:2277-3878
47	Somashekhar, Dr.Vikas Maheshwari, Dr.R. P. Singh	ECE	FPGA Implementation of Fault Tolerant Full Adder design for High Speed VLSI Architectures	1st International Conference on 'Intelligent Computing and Smart Communication Technologies(ICSCST 2019)	26-27 July, 2019	ISBN No. 978-93-5382-460-0
48	Somashekhar, Vikas Maheshwar, R. P. Singh	ECE	"Analysis of Micro Inversion to Improve Fault Tolerance in High Speed VLSI Circuits"	International Research Journal of Engineering and Technology (IRJET)	Mar-19	ISSN: 2395-0056
49	Ravindra Singh Rajawat, Vikas Maheshwari	ECE	New Leap in Quantum: Prosthetic Brain	Journal of Artificial Intelligence Research & Advances	2019	eISSN: 2395-6720
50	Narendra K. Garg, Somashekhar Malipatil, Vikas Maheshwari, Rajib Kar	ECE	"Two Dimensional Analytical Expression of Threshold Voltage for Un-Doped Double Gate MOSFET"	Springer Conference @ NIT Warangal	2019	--
51	Somashekhar, Vikas Maheshwari, R.P.Singh,	ECE	A Study of Fault Tolerance in High Speed VLSI Circuits	International Journal of Scientific & Technology Research,	2019	ISSN 2277-8616
52	Dr. Manish Sharma	MECH	EXERGETIC PERFORMANCE ANALYSIS OF KW SCALE ORGANIC RANKINE CYCLE	Procedia Environmental Science, Engineering and Management	2019	ISSN 2392 - 9537, Vol 6, Issue No. 4
53	Dr.Naveen Krishna, Dr. Jgan Mohan Reddy	MECH	Optimisation of primary Healthcare Facilities Location in Urban Areas: A case study of Mumbai	61st National Convention of Indian Insitution of Industrial Engineering and 5th International Conference on Industrial Engineering (ICE-2019)	2019	ISSN 978-93-86238-81-8, Vol 61, Issue No.5
54	Dr.Naveen Krishna	MECH	Location Optimization of Urban primary Health coworkers	ICCTE	2020	--
55	Dr. R. Madana Mohana,	CSE	Intelligent Spam Detection and Fake User Identification on Twitter Social Network	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
56	Dr. Mohammed Aquil Mirza	CSE	Detection and Prediction of Driver Drowsiness Using Artificial Intelligence	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
57	Dr.Mohammed Aquil Mirza	CSE	A Hybrid Optimization Method for Obstacle Avoidance and Tracking Control: A Metaheuristic Approach	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
58	Dr.P.Velmurugan, D	CSE	Test Data Generation for Improving the Effectiveness of Test Case Selection Algorithm Using Test Case Slicing	Journal of Computational and Theoretical Nanoscience	01 June 2019	1848-1853
59	Dr.P.Velmurugan	CSE	Solar Based Smart Agriculture Monitoring System Using IoT	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
60	Dr.P.Velmurugan,	CSE	Occupancy Estimation of Passengers Using	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
61	Dr.P.Velmurugan,	CSE	Eye-Controlled Mouse Cursor for Physical	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
62	Thirupal Reddy,	CSE	Data Security Approach on Cyber-Crime w	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
63	Megha Seth	CSE	Identity-Based Remote Data Integrity Check	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
64	Sudheshna.v	CSE	Detection And Classification Of Plant Leaf Diseases By Using CNN	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
65	K.Muni Dhanalaxmi,	CSE	Facial Expression Recognition System Using Machine Learning	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
66	G.kalyani,	CSE	A Reliable Elderly Fall Detection System Using Wearable Sensors	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
67	Y.SIRISHA	CSE	Detection of Phishing Emails Using Naive Bayes Algorithm. RACE2020	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
68	K.Bhaskar,	CSE	Automated Attendance Marking and Management System Using Image Processing	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
69	Y.Sailaja	CSE	Empirical Study on BCI Machine Learning Algorithms	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
70	D.L.N.Prasunna	CSE	Modelling A Secure Cloud Storage System Using RRNS And AES	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
71	D.L.N.Prasunna	CSE	Market Basket Analysis In Python	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
72	Ms.Mubeena	CSE	A Data Analytics Approach to the Cvbercrime Underground Economy	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
73	Ms.Mubeena	CSE	IoT Based Smart Walking Stick For Visually Impaired	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
74	P.KIRANMAI	CSE	Analyzing Women Safety In Indian Cities Using Machine Learning On Twitter	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
75	U Narasimhulu	CSE	IoT Based Smart Helmet for Accident Detection	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
76	Mr.Romy Sinha	CSE	Intelligent Border Intrusion Detection Using Embedded Systems	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
77	Ms.Farhana Bano	CSE	Object Detection and Tracking in Images Based on Image Processing	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
78	R. Akhilesh reddy	CSE	Fake Online Review Detection Using Machine Learning	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
79	P Dinesh Chandra	CSE	IoT Based Electrical Device Surveillance And Controlling System	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
80	Ms.Parimala	CSE	Data Visualization On Medical Records Using Python	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
81	N.Srihari Rao	CSE	CLASSIFYING WEBSITES FOR QUANTIFYING DDOS ATTACK IMPACTS	Journal of Emerging Technologies and Innovative Research	01 June 2019	
82	N.Srihari Rao	CSE	DPNI: A FRAMEWORK FOR QUANTIFYING DDOS ATTACK IMPACTS ON VARIOUS WEBSITES	Journal of Emerging Technologies and Innovative Research	01 June 2019	

83	Mr. K.Surendra	CSE	Integration Of Knowledge Engineering Systems With Business Information Systems	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
84	Ms.Flora Mathew	CSE	Performance Comparison of Support Vector Machine, Random Forest and Extreme Learning Machine For Intrusion Detection	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
85	Ms.Flora Mathew	CSE	Robocop : A Surveillance Robot	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
86	Ms.Swapna	CSE	Subway Passenger Flow Forecasting With Multi Station and External Factors	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	
87	Mr. Sharat chand	CSE	Design and Implementation of a Wearable Sensor Network system for IoT Connected Safety and Health Applications	National Conference o Recent Advances and Challenges in Electronics and Hardware Design	Febryary 2020	

BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
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PATENTS PUBLISHED

S. No.	Name of Faculty	Patent No.	Publication Date	Title
1	Dr. Arul Prakash	201941046804	2019 (29/11/2019)	Compatible Solar Agricultural & Horticultural Sprayer
2	Dr. B. Praveen Kumar	201941041979 A	2019 (25/10/2019)	Solar PV Power and Distilled water Prodction Enhancemen t Technique and Method Thereof

PATENTS FILED

S. No.	Name of Faculty	Patent No.	Publication Date	Title
1	Dr. J. Bhagwan Reddy	201941036942	2019 (13/09/2019)	Intelligent Way to Provide IoT based Patient Monitoring System using Bealebone Kit
2	Dr. J. Bhagwan Reddy	201941036026	2019 (06/09/2019)	A 3D – Printer: Auto Scene Input 3-D Image and Print Three – Dimensional Objects

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Publications Summary

S. No.	Assessment Year	No of Publications				Total
		Journals		Conferences		
		National	International	National	International	
1	2019-2020	--	12	4	5	21