

List of papers Accepted at ICNTE 2021. The list is sorted Track wise.

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1	T1_S1_P379	Real-time condition monitoring of a gearbox using Hall effect sensor	Yohann Lobo
2	T1_S1_P480	Investigation on Performances of Different types of Classical Controllers in Active Vibration Control	Praseed Kumar
3	T1_S1_P583	Design and Fabrication of a 3D scanning system using Optical Computed Tomography and Photogrammetry	Harshit Singh
4	T1_S3_P386	Battery Management System in Electric Vehicles	Ananthraj C R
5	T1_S3_P482	Characterization of Magnetorheological Damper	Mrunalini Manoj Patil
6	T1_S3_P621	Telescopic Twincopter	Shubhom Viresh Tenginkai
7	T1_S4_P355	Investigation of friction and sliding wear for journal bearing using Taguchi optimization.	Ganesh Pandurang Bile
8	T1_S4_P363	Design and analysis of bell-parabolic de Laval rocket exhaust nozzle	Preet Baxi
9	T1_S4_P595	Prediction of Fault Detection Based on Vibration Analysis for Motor Applications	Shankar Durgam
10	T1_S4_P626	Support analysis for the Agitator mounted Fixed Cone Roof storage tanks	Ankur Modi
11	T1_S4_P650	Damage Detection in beams using Vibrational analysis and Artificial Neural Network	Ashay Jayawant Ghadi
12	T1_S4_P655	A Generalized Methodology to Plot Mode Shapes of the Curved FixedFixed Beams using ANSYS® & MATLAB®	Surabhi Deepak Chavan

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14	T2_S5_P350	Experimental Investigation of Plastic Solar Air Heater	Dr. S. V. Kota Reddy
15	T2_S5_P423	Performance Investigations of the Wind Turbine with Wavy Edge Vane Designs	Vimal Patel
16	T2_S5_P458	Numerical Investigation of Earth Air Heat Exchanger (EAHE) Using Simulation Tool and Experimental Setup for Validation	Badal
17	T2_S5_P465	Numerical Simulation of Diesel Particulate Filter to Predict the Pressure Drop	Shankar Durgam
18	T2_S5_P514	Thermal design and analysis of nanofluid turbulent flow in heat exchanger	Dr. Manjunath K.
19	T2_S5_P521	Analysis of Liquid Nitrogen based Summer Airconditioning System	Vimal Patel
20	T2_S5_P526	Investigation on Thermal Conductivity of Nanofluids	Shankar Durgam
21	T2_S5_P622	Effects of Volume and Neck Length of Helmholtz Resonator on Thermoacoustic Instability	Benson Thomas Paul
22	T2_S7_P435	Ensemble learning for predicting temperature of heat sources to avoid electronic failures	Shankar Durgam
23	T2_S7_P542	Design of vapor chamber as a cooler for high power LEDs	Ramanpreet Kaur
24	T3_S11_P339	Analysis of Kerf in Wire cut Electric Discharge Machining using RSM and Whale Optimization Algorithm	Shubham Jain
25	T3_S11_P593	Artificial Neural Network (ANN) analysis for IS277GI blanking clearance	Vijaya Patil
26	T3_S9_P376	Trajectory and Gait Planning of a Quadraped using Adams and Simulink	Steve Vasikaran Morais
27	T3_S9_P466	Automated Seed Sowing Robot	Joel Thomas
28	T3_S9_P586	Design and Development of a Smart Wheelchair	Aditya Nair
29	T4_S13_P372	Analytical Design Optimization of Axial Flux SPIM for Energy Efficient Ceiling Fan Using GA	Utkarsh Sharma
30	T4_S13_P528	Design Verification for Reactive Power Supply Capability of Emergency Diesel Generator in Nuclear Power Plants	Dr. Dhanashree Vyawahare

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31	T4_S14_P336	Motor Current Signature Analysis For Fault Detection of Induction Machine – A Review	Nikita Bhole
32	T4_S14_P360	Robust Sliding Mode Current Controller for IPMSM Drives With MTPA Strategy	Kanungo Barada Mohanty
33	T4_S14_P567	Maximum Torque Per Ampere Control Incorporating Specified Damping in Speed PI Controller Design for High Performance PMSynRM Drive A Realtime Evaluation for Dynamic Performance Studies	Shruti Dwivedi
34	T4_S14_P602	A sensorless speed control of DC motor based on an adaptive reference Model	Samba Gueye
35	T4_S14_P611	Variable Speed Induction Motor Drive Fed by 4Level inverter and 18Pulse Converter	Rohit Kumar
36	T4_S14_P640	Mitigating Cross Coupling Effects In PV Systems Through Decoupled Controllers A Review	Saritha P
37	T5_S15_P291	Active and reactive power flow control in HVDC light transmission line	Serene Siby
38	T5_S15_P499	Alleviation of Voltage Sag/Swell by DVR Based on SVPWM Technique	Nishant Prataprao Matala
39	T5_S16_P332	Inception of jump ferroresonance in single phase transformer	Poornima Sridharan
40	T5_S18_P347	Multi Trajectory Based Droop Control of DC Microgrids for Improved Voltage Regulation	Sonu G Varghese
41	T5_S18_P359	A Hybrid Virtual Synchronous Machine Topology for Improved Microgrid Stability	Jithin S
42	T5_S18_P367	Harmonic Analysis of Interconnected DC Microgrids supplying AC Load	C Sojy Rajan
43	T5_S18_P382	Hybrid Control of Renewable Based Microgrid Synchronized to 3P4W AC Distribution Network	Farheen Chishti
44	T5_S18_P462	PI Sliding mode controller for an islanded dc microgrid with constant power load	Arun L
45	T5_S18_P524	Seamless Mode Shifting of Microgrid with Wind Energy System and Battery Storage	Varsha Yadav
46	T5_S18_P555	Arc Fault Detection in DC Microgrid Using Deep Neural Network	Dipti Dayaram Patil

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48	T5_S19_P317	Technical and Financial Analysis of Commercial Solar Power Plant	Shreyada Arun Jadhav
49	T5_S19_P318	IoT based Hybrid Green Energy driven Street Lighting System	Mahesh Ashok Tamhane
50	T5_S19_P407	Comparative Analysis of PI & MPC Controllers for Dynamic Voltage Restorer using Wind Energy Conversion System	Apoorva Srivastava
51	T5_S19_P517	GMCC based Adaptive Filter for SPVRES to Improve Power Quality in Distribution Grid	Gaurav Modi
52	T5_S19_P520	Congestion Management Considering Plugin Electric Vehicle Charging Coordination in Distribution System	Arup Kumar Goswami
53	T5_S19_P527	Demand Side Power Management and Voltage Stability of an Autonomous Microgrid Using Atom Search Optimization	Ramesh Kumar
54	T5_S19_P578	Analysis of Substation Energy Savings by Applying CVR in a Radial Unbalanced Distribution Feeder with Photovoltaic System	Swati Arora
55	T5_S19_P588	Synchronization of Solar PV System to Grid with Enhanced Power Quality	Pavitra Shukl
56	T5_S19_P605	Yearly Estimation of Substation Energy Savings with Smart Enabled CVR in Distribution Network and Photovoltaic Inverter	Swati Arora
57	T5_S20_P331	Miniature Manumatic Transmission Car	Suvranshu Adhya
58	T5_S20_P333	Demonstrating the effect of excitation cross coupling and communication time delays on automatic generation control	Ch Naga Sai Kalyan
59	T5_S20_P430	Comparative Performance Study and Design of the IOPID and FODIP Controllers as Power System Stabilizer under Different Loading Conditions	Poulomi Chatterjee
60	T5_S20_P448	A Modified Constricted Quantum Class Topper Optimization Algorithm based FOPI Power System Stabilizer Design for Small Signal Stability Improvement in a Single Machine Infinite Bus System	Debasis Acharya

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62	T5_S21_P335	COVID19: Impact on Indian Power Sector	Dheeraj Verma
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64	T5_S21_P598	Electricity Distribution Firm Tariff Rationalization in Multi Year Tariff Policy	Ninad P Totare
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66	T6_S22_P422	Neural network analysis for RF to DC conversion circuit	Varindra Kumar
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68	T6_S23_P299	Wireless energy harvesting using a Rectenna	Rohit Sanvatsarkar
69	T6_S23_P341	Development of Robust and Easily Maintainable Grid-connected Battery Charger for Developing Countries	Eya, Candidus Ugwuoke
70	T6_S23_P354	Modeling and Simulation of Cuk Converter operating in CCM	Saibal Manna
71	T6_S23_P500	LCC Resonant Converter Design and Transfer Function Computation Using FHA Analysis	Akshat Jain
72	T6_S23_P504	Multistage Feedback Control of a PV Supplied Two phase Interleaved Boost Converter for Grid Interfacing Applications	Aishworya Roy
73	T6_S23_P518	Control of GridInteractive Solar Based Microgrid with Seamless Synchronization to GridDG Set	Seema
74	T6_S23_P568	Grid Synchronization of SPVBES DG System using Seamless Control with Power Quality Improvement	Sunaina Singh
75	T6_S23_P576	Implementation of Solar Based Irrigation System for Conditions like Pandemic	Jitesh Yogesh Shastri
76	T6_S23_P581	A Modified Integrated Multiple Output Synchronous Buck Converter for Vehicular Application	Kalpna Chaudhary
77	T6_S23_P606	Weak Grid Integrated Improved Power Quality PV Battery System with Feedin Tariff Control and PV Intermittency Mitigation	Syed Bilal Qaiser Naqvi

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79	T6_S23_P663	Design and Modeling of Pandemic Featured Smart LED System	Nishil Lathia
80	T6_S24_P346	Development of MPC-ACO based Direct Torque Controller for Induction Motor Drive	Kanungo Barada Mohanty
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82	T6_S25_P420	Solar Powered LED Street Lighting with Digital Control for Dimming operation	Himanshu R Chavan
83	T6_S26_P292	Mathematical Modeling of Peaking Switch	Dr Sachin Umbarkar
84	T7_S27_P370	Person identification based on voice recognition	Satishkumar Chavan
85	T7_S28_P356	Fast parameter free Smart particle swarm optimization (SPSO)	Durga Prasad Tripathi
86	T7_S28_P410	Word spotting of handwritten Hindi scripts by circular histogram of oriented displacement (CHOD) features	Enock Osoro Omayio
87	T7_S28_P490	INFERNO STRIFEA Forest Fire Detection System	Pretty Mathew Punnoor
88	T7_S28_P516	Machine Learning based Image Processing for Iron Ore Pellet Size Analysis	Dr Santosh Kumar Behera
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90	T7_S28_P665	Hue and Chroma based floordetection algorithmsfor obstacle avoidance and path navigation	Manthan Shah
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92	T7_S29_P383	Mental and Physical Health Management System Using Machine Learning, Computer Vision and IoT Sensor Network	Yash Jain
93	T7_S29_P461	Time Domain Analysis of Heart rate Variability An Approach for Cardiac Stress Assessment	Ulka Mahesh Shirole
94	T7_S29_P623	A RFE Optimised Method For Predicting The Malignancy of The Breast Cancer	Anju R Nair
95	T7_S29_P625	Implementation of Digital Filter using FPGA	Vandana Omkumar Dhillon

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97	T8_S30_P312	Slits and Slots Loaded Dual Band Circularly Polarized Patch Antenna for WLAN/WiMAX Communications	Santosh Kumar Bairappaka
98	T8_S30_P313	Alignment of Fire Control Radar with Gun in Non Line Of Sight	Dr Prashant Menghal
99	T8_S30_P320	Dosimetry Investigation in Human Head Model for GSM, UMTS, LTE, WLAN Internal Mobile Phones and Reduction using Material Shield	Abitha Thangam M
100	T8_S30_P321	CPW Fed Square and Semi Circular Patch Antenna for UWB, 4G & 5G Applications	Sudesh Agrawal
101	T8_S30_P334	Dual Band Circular Polarized Microstrip Antenna Using Defected Ground Structure	Aarti G. Ambekar
102	T8_S30_P342	Multi-parameter optimization of a hemispheric angle diversity receiver to reduce SINR fluctuation for an indoor MIMO-VLC system	Biswanath Roy
103	T8_S30_P351	UWB Circular Fan-Shaped Monopole Patch Antenna	Pranay More
104	T8_S30_P478	Performance analysis of FSOC system over generalized turbulence channel with pointing errors using PolSK signalling technique	Vineeth Palliyembil
105	T8_S30_P639	Novel Wideband Frequency Selective Surface Based Spatial Filters for Sub6GHz 5G devices	Ankush Kapoor
106	T8_S30_P692	CPW Fed Broadband Circularly Polarized Corner Truncated Slot Antenna	Anuja A Odhekar
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108	T9_S32_P377	Design of Vedic Mathematics based 16 bit MAC unit for Power and Delay Optimization	Jyothsnavi Kuppili
109	T9_S32_P404	Design of a Low-Noise, Fast Set-up and Low-Voltage Low-Dropout Regulator Featuring 230mA Load Current Range	Darshil Patel
110	T9_S32_P439	A Time Efficient Redundant Binary Adder with Modified Encoding Bits	Satya Ranjan Sahu
111	T9_S32_P442	Micro Scale Laser Controlled PCB Engraver and Solder Dispenser Unit	Anitta Roy Njavallil

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114	T9_S34_P295	Smart Door Locking Mechanism	Janhavi Baikerikar
115	T9_S34_P428	Design and Implementation of Prevent Gas Poisoning from Sewage Workers using Arduino	G. Murali Krishna
116	T9_S34_P432	IOT based Temperature Monitoring System	Utsav Gada
117	T9_S34_P529	Street Quality Mapper	Gaurav Harikrishna Sahu
118	T9_S34_P585	Design of Electronic Control Unit with Black Box for Ground Vehicles	Manojkumar P
119	T9_S34_P661	Thermal Screening using Image classification Network and IR sensor A simple Approach	Ratan Deep
120	T9_S34_P672	A Review on Internet of Things Based Door Security	Kavya Sharma
121	T10_S35_P303	Topology control in Underwater Acoustic Sensor Networks	Basaprabhu S Halakarnimath
122	T10_S35_P634	Wheel Graphbased approach for embedding Location aware Energy Efficient Virtual Network using Nelder Mead method in IoT Data Manipulation	Thiraviaselvi G
123	T10_S36_P302	Location-estimation of a sensor node in Underwater Acoustic Sensor Networks	Basaprabhu S Halakarnimath
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164	T12_S45_P571	HumanComputer Interaction methodology to attain Face Liveness Detection	Jaydeep Dave
165	T12_S45_P589	SKYNET A platform for maximising career opportunities	Aakash Kolekar
166	T12_S45_P596	Death by heart failure prediction using ML algorithms	Rishi Kaul

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182	T12_S46_P689	Shriek A Role Playing Game Using Unreal Engine 4 and Behaviour Trees	Savio Rodrigues
183	T13_S48_P531	Enhanced Pyrometric device with Long Range for mass screening based on MLX90614	Dishant Shah
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185	T13_S49_P574	Reducing Metal Artifact using Iterative Reconstruction in Industrial CT	Rajesh Acharya



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187	T14_S53_P481	Designing Of Distributed Bragg Reflector (DBR) by Transfer Matrix Method	Deepali Jaideep Keskar
188	T14_S53_P645	Material Design for Self Powered Cranial Drill using Piezoelectric effect A COMSOL Study	Dr Sreenidhi P R
189	T14_S53_P658	Review Paper Hybrid natural fibers composites with Jute and Banana Fibers	Anjali Rajeshkumar Verma

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78	T14_S52_P436	Metamaterials in Electro Magnetic Wave Absorbers	Dr Prashant Menghal

79	T14_S53_P481	Designing Of Distributed Bragg Reflector (DBR) by Transfer Matrix Method	Deepali Jaideep Keskar
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