

International Conference on Systems, Energy and Environment
(ICSEE) 2022

LIST OF ACCEPTED PAPERS – CE

Sl. No.	Paper ID	Title of Paper	Authors	Categorization
1	0452	Numerical analysis on bolted T-stub to square hollow sectionconnections undertension	Yadupriya M C and Rajeevan B	Structural Engineering
2	1095	Numerical analysis on flexural behaviour of cold-formed stainless steel members at elevated temperature	Lubaiba P K and Nijesh C	Structural Engineering
3	1144	Performance of composite deck slabs with end anchorages	Aleena T Aji and Milu Mary Jacob	Structural Engineering
4	1184	EFFECTS OF SHAPE OF RINGS IN THE STEEL DUAL RING DAMPER –A NUMERICAL STUDY	Divya V S and Deepu S P	Structural Engineering
5	2421	Assessment of mechanical properties and workability for pure HDPEgranulesreinforced concrete	Prashant Attri and Karthikeyan Murugesan	Concrete Technology
6	2562	Numerical Analysis on Flexural Buckling of Hot-rolled High Strength Steel SHS Columns	Abhinand A and Mitra D C	Structural Engineering
7	2653	Numerical modelling of cold formed Z section steel beam under Bending andTorsion	Arya Mukesh and Rajesh K N	Structural Engineering
8	2899	Parametric study of composting of food waste in Aizawl city, Mizoram	Esther Vanlalmawii, Lalmingsanga Hauchhum, Ricky Lalthazuala and Lalsangsela Sailo	Environmental Engineering

9	2902	Application of Swat Model to Assess the Impact of Climate Change on the Hydrology of Bharathapuzha River Basin	Divya Chandran and Aiswarya B Babu	Environmental Engineering
10	3049	Automatic Drainage Network Extraction and Comparison of Thresholds using, ASTER-GDEM, SRTM-DEM, and ALOS-DSM: A case study of Purvanchal region in Uttar Pradesh INDIA using Remote Sensing and GIS Approach	Tilak L N, Santhosh Kumar M B, Dr. Chikkamadaiah Nanjundaswamy and Dr. Vijaya S	Geographic Information System
11	3258	Dam Break Analysis of Idamalayar Dam	Divya Chandran and S B Krishnapriya	Water Resource Engineering
12	3262	Numerical Analysis of Hot-rolled Duplex Stainless Steel CHS Columns Under Flexure	Deepu V S, Ajith M S and Nijesh C	Structural Engineering
13	3321	Numerical Investigation of Steel Plate Girder Under Patch Loads	Mubashir Ali and Rajeevan B	Structural Engineering
14	3546	INTERNAL CURING OF CONCRETE USING SUPER ABSORBENT POLYMER	V Ajay, A S Achuth, S B Anju, V M Adithya and G Dhanya	Concrete Technology
15	3600	ANALYSIS OF PILE DEFORMATION UNDER MULTILAYERED LIQUEFIED SOIL USING STATIC EQUIVALENT MODEL	Sayantan Dutta, Amit Kotal, Anindita Pan and Pranoy Roy	Geotechnical Engineering
16	3607	Numerical Study: Bending Behavior of Stiffened Hollow Glulam Beams	Anu S Das and Rajesh K N	Structural Engineering
17	4033	Numerical Investigation on Lateral Movement and Axial Rotation of Mullions in Unitized Curtain wall Facades	Hemanth M and Manu P Raj	Structural Engineering

18	5489	Cyclic Performance of Multi-cluster Steel Plate Damper	Ashwin Saseendran and Saji K P	Structural Engineering
19	6438	Inelastic lateral torsional buckling of cantilever beam	Akshara K Anil and Saji K P	Structural Engineering
20	8011	Numerical study on flexural buckling behaviour of welded Pi-shaped column in compression	Muhammed Jasir T and Manu P Raj	Structural Engineering
21	8238	Study on Strength Analysis of Composite Deck Slabs	Ann M Varghese and Milu M Jacob	Structural Engineering
22	8445	Flood Prediction Using Analytical Hierarchy Process of Thiruvalla Taluk, Pathanamthitta, Kerala, India	Simi Rachel Thomas, Vandana Vandana, Shalet Shajan, Stanly K A and Jawahar Saud S	Water Resource Engineering
23	8545	A Review on Fracture Behaviour of Bolted Steel Connections at Elevated Temperature	Nehna S and Rajeewan B	Structural Engineering
24	8627	Chicken Feathers as Biosorbent for Dye Removal: Kinetic and Isotherm Studies	Athira T M and Dr. Sumi S	Environmental Engineering

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LIST OF ACCEPTED PAPERS – CSE

Sl. No	Paper ID	Title of Paper	Authors	Categorization
1	1535	Auto-Monitor For Smart Classrooms	Venkayya Yadlapalli, Pavithra Pakkuru and Baby LikhithaPandula	Computer Science and Engineering
2	2580	A Deep Learning based Intrusion Detection System using Transformers	Athul K and Anita John	Computer Science and Engineering
3	7994	Total Centrality: A New Centrality Measure Using Graph Neural Network	Kavya Ramachandran and Thara R J	Computer Science and Engineering
4	245	Network Level Detection of Ransomware Attacks using Ensemble Learning	Roshan Kadavath and Thara R J	Computer Science and Engineering
5	2840	A Review on Various Machine Learning Approaches for Fingerprint Based Health Information Exchange	Vanajakshi S, Hemalatha D, Chethana C, Bharathi R and Chethana H T	Computer Science and Engineering
6	3599	FuzzyDbg - An integrated debugger and fuzzer	Sai Ritvik Tanksalkar, Sandhra Bino, Vishnu Madhav Pratapagiri and Vivek Kamisetty	Computer Science and Engineering
7	4278	Survey on Automatic Text Summarization methods and techniques	Sophiya Antony	Computer Science and Engineering

8	7107	A Comprehensive review on Indian sign language recognition system using vision based approaches	Poornima B V and Srinath S	Computer Science and Engineering
9	7842	BLOCKCHAIN BASED DATA SHARING FRAMEWORK FOR SECURE IOT COMMUNICATION	Muhammed Siyad A and Thara R J	Computer Science and Engineering
10	9782	Malware Detection using Deep Learning	Ameena K Nazeer and Thara R J	Computer Science and Engineering

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LIST OF ACCEPTED PAPERS – ECE

Sl. No	Paper ID	Title of Paper	Authors	Categorization
1	9090	Automatic Brain Tumor Segmentation using Deep Learning : A Review	Elena John and Dr. Shiny G	IP
2	1735	3D Reconstruction from Images : A Review	Drissya K and Dr. A. Ranjith Ram	IP
3	2600	Implementation of EOG Denoising IIR Filter on FPGA	Geo P G and Dr. Rezuana Bai J	SP
4	2830	Image Based Crowd Counting : A Review	Nivedya M and Sajeev K Jose	IP
5	2996	Emotion Recognition Methods - A Review	Abhaya D K and Dr. Sajesh Kumar U	SP
6	3528	A Feature Fusion Based Detection of Oral Squamous Cell Carcinoma with Morphological and Textural Features in Haar Wavelet Transform Space	Subhija E N and Dr. Reju V G	SP
7	3579	Deep Learning Based Fall Detection System for Elderly People : A Review	Anusree M and Ramanand A C	IP
8	4761	Epileptic Seizure Detection : A Review	Vidhisha P and Nishil Kumar P P	SP

9	6515	Classification Of Batting Shots In Cricket Video : A Review	Anshida K and Dr. A. Ranjith Ram	IP
10	6598	MQTT Protocol for Resource Constrained IoT Applications : A Review	Aleesha M and Laseena C A	IOT
11	7952	Brain tumor segmentation using 3D-UNet with efficientNetV2-L as encoder	Ruksana Semeir and Helen Mary M C	IOT
12	8044	Efficient Alzheimer's Disease Detection Using LSTM Hybrid Model	Megha Kumar and Rezuana Bai	IOT
13	8558	A Review on Weed Detection	Thulasi Anup and Arjun Prabhudas	IP
14	9117	PDetect-Parkinson Disease Detection Using Speech Features	Puja C and Chinchu A	SP
15	2171	Trident-Shaped Dual-Wideband Patch Antenna for WLAN/WiMAX and X-Band Operations	Geo Emmanuel P D, Allen Jose Benny, Anand S, Allen Tomas and Rekha G Nair	IOT
16	4595	SPOT: Smart Parking System Based on IoT	Liji C M and Dr. Ajith K K	IOT

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LIST OF ACCEPTED PAPERS – EEE

Sl. No	Paper ID	Title of Paper	Authors	Categorization
1	0651	Improved Landsman PFC Converter for BLDC Motor Drive Based Air-Conditioning System	Dilna A and Rajesh M	Electrical and Electronics Engineering
2	4393	Nonlinear Modelling, Control and Performance Analysis of HVDC Tielink Based Load Frequency Control with SMES	Aneesh M and Shahin M	Electrical and Electronics Engineering
3	4943	Environmental and Economic Dispatch for an isolated Microgrid	Anusree Pradeep and Sreekumar C	Electrical and Electronics Engineering
4	8281	Performance Analysis of a 15 Level Inverter for Induction Motor Applications	Lakshmi Theertha K. P. and Shahin M	Electrical and Electronics Engineering
5	0655	Comparative Analysis of MDSC based PLL with SRF PLL of a PV Plant in GC and SA Mode of Operation	Priyanka K, Afsher P A and Manoj Kumar M V	Electrical and Electronics Engineering
6	0933	Frequency Regulator for Microgrid Using Virtual Synchronous Generator	Athira B P and Brijesh P V	Electrical and Electronics Engineering
7	1260	A Droop Controller Based Active Power Sharing of Parallel Inverter islanded Microgrid	Saifudheen P and Thresia M.M	Electrical and Electronics Engineering
8	1875	Multiple Delayed Signal Cancellation PLL Based Unit Vector Template PWM Controller for ZSI-DVR Operation Under Adverse Conditions	Seershak M and Muhammed Ramees M.K.P	Electrical and Electronics Engineering

9	3742	Improvement of stability of a microgrid using ANFIS based PLL	Anupama Sugathan and Binoy B.B	Electrical and Electronics Engineering
10	4267	Grid Integrated Solar PV based Electric Vehicle Charging Station with Power Quality Improvement	Jayasree V, Sruthi M, Asokan O V and Jayaprakash P	Electrical and Electronics Engineering
11	4931	Optimization of AGC performance in multi-area power systems with RES and EV using fractional order PID controller	Vishnu C V and Ismayil C	Electrical and Electronics Engineering
12	4976	Comparative Study of Third and Ninth Harmonics Injected Sinusoidal Pulse Width Modulation for Induction Motor Application	Amrutha G Nair, K V Anandkrishnan, Ismayil C, Sukesh A and Anilkumar T T	Electrical and Electronics Engineering
13	5812	Neuro-Fuzzy Controller Based Standalone PV-Battery System	Madisa V G Varaprasad, Gorle Aravind, Harshith Suraj Kakinada, Gopiseti Ashaswetha and Kamadhenuvu Jyoshna Prasanna Lakshmi	Electrical and Electronics Engineering
14	7716	Power Loss Minimization Techniques for a Microgrid-A Comparative Study	Rose Raphy Pallikunanan and Dr. Manoj Kumar M.V	Electrical and Electronics Engineering
15	1051	Adaptive PIR control for E-STATCOM in PCC voltage balancing using IEEE 34 node system	Meera George and Asokan O V	Electrical and Electronics Engineering
16	1256	Model predictive frequency swing control in Power systems	Keerthana K and Sreekumar C	Electrical and Electronics Engineering

17	1476	Comparative Study On Control Strategies For Shunt Active Power Filter In Grid Integrated Wind-PV System	Manasa M and Nisha B Kumar	Electrical and Electronics Engineering
18	3792	Simple and Efficient Control for Grid-Tied Single Phase PV Inverter	Sreya K K and Rajesh M	Electrical and Electronics Engineering
19	6072	High Gain DC-DC Converter for Electric Vehicle Charging Application	Gopika R and Anjali Anand K	Electrical and Electronics Engineering
20	9986	Home Energy Management and Control System With Renewable Energy Source And Energy Storage System	Adhulya P V	Electrical and Electronics Engineering
21	0288	Designing And Modelling Of Dual Boost Converter For AC/DC Loads	Shubham Sinha	Electrical and Electronics Engineering
22	0599	Modeling For Electric Vehicle DC Fast Charging Station for Future Siting And Sizing	Ponnambili Tomy and Prof. Sukesh A	Electrical and Electronics Engineering
23	1824	Control of Seamless Charging Station for EV using Multiple Input Charging Sources	Vismaya P K and Ismayil C	Electrical and Electronics Engineering
24	4277	New Distance Protection Scheme For Uncompensated Transmission Lines	Yamuna U and Thresia M.M	Electrical and Electronics Engineering
25	9323	A High Efficiency Non-Isolated Buck-Boost Converter	Minisha C and Dr. Rajesh M	Electrical and Electronics Engineering
26	9379	A NOVEL MPPT TECHNIQUE USING IWO METHOD FOR PV GENERATION UNDER PARTIAL SHADING CONDITION	Madisa V G Varaprasad, Gorle Revathi, Kommala Anusha, Malasala Sunil and Alajangi Nancy Hanna	Electrical and Electronics Engineering

27	4364	Classification of degradation of Lubricating oil using Optical fibre and Temperature based sensor system and Python based Classifier	Sandip Bordoloi and Ritushree Dutta	Electrical and Electronics Engineering
28	5063	Performance analysis of an integrated three port converter for BLDC motor based applications	AnjithaVisal and Muhammed Ramees M K P	Electrical and Electronics Engineering
29	1543	OA- Firefly method of solving ORPD problem with Voltage Stability constraint	VSB Chaitanya Duvvury	Electrical and Electronics Engineering

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LIST OF ACCEPTED PAPERS – ME

Sl. No.	Paper ID	Title of Paper	Authors	Categorization
1	1990	Detachment Stress Calculation of Projection Stereolithography based on Cohesive Zone Simulation	Ribin Varghese, Vinulal V K, Govindan P	Manufacturing Engineering
2	9162	CFD simulation of liquid-solid dispersion in a gyro shaker	Abdul Samad P A, Dominic Dony, Rahul K R, Sajith C Subrahmanian, Renjith V B	Thermal Science and Engineering
3	6771	Optimization of design and operation of drip emitters used in drip irrigation system	Thejaraju R, Hadiya Pritesh Dulabhai, Sreejith K M, Harisankar Subudhi A, Midhun Murali, Bomanna Sai Chandra	Design of Mechanical systems
4	1945	Multiobjective optimization of the responses while using EDM process	Goutam Kumar Bose, Gairik Kumar Bose	Manufacturing Engineering
5	6643	Effects of tool profile in the friction stir welding of AA6061 Aluminium alloy	Thejus C M, Bindu M D	Manufacturing Engineering
6	4724	A Review of FSW on Al Matrix Composites(AMCs)	Aswathi Manoharan, Govindan P	Manufacturing Engineering
7	7835	Review on Preparation of Biodiesel from Algae	Abhinandh P, Priyak N K	Thermal Science and Engineering
8	1620	Effects of FSSW Process Parameters on Microstructure and Strength of Welds Made of TRIP Steel : A Review	Sabin Suresh N, Jose M J	Manufacturing Engineering

9	2866	Application of SYSWELD software in finding welds residual stress: A review	Sravan K K, Jose M J	Manufacturing Engineering
10	2652	CFD Analysis and Optimization of Three Phase Oil Separator	Anfal M A, Adithya B, Abhijith Joshy, Anirudh Nambiar	Thermal Science and Engineering
11	2850	Computational fluid dynamics analysis of the effect of steam inhalation on the death rate of coronavirus inside the trachea of the human respiratory system	Sanilkumar P S, Saurabh Sahadev, Abdul Samad P A	Thermal Science and Engineering
12	7170	Review on mechanical properties of injection moulded plastic products by optimal processing conditions	Allen Joe Manual, Sooraj P	Manufacturing Engineering
13	8602	Effect of residual stress and distortion in gas metal arc based additive manufacturing	Gokul K A, Jose M J	Manufacturing Engineering
14	2158	A review on duplex stainless steel welding behavior and its properties	Abhijith K P, Bindu M D	Manufacturing Engineering
15	2377	Tribological properties of natural garlic oil as an additive in cotton seed oil	Irfad N, Mahipal D	Design of Mechanical systems
16	9716	Influence of Working Fluids on Cooling Performance of a CPU Main Board Chip through Micro-Pin-Fin Heat Sink	Debasish Biswas, Subham Ghosh, Debraj Das	Thermal Science and Engineering
17	5811	Bifacial Photovoltaic Performance: A Review	Vibin Wales, Roshindas M P, Manoj Kumar M V	Energy Engineering

18	2273	Effect of tool pin profiles in friction stir welding – a review	Jomis Mathew, Govindan P	Manufacturing Engineering
19	8195	Effect of Geometrical parameters and material on sound absorption coefficient – a review	Jipson George, Sudheesh Kumar C P	Design of Mechanical Systems
20	7027	Railway Track Fault Diagnosis using Vision based Method	Ravikant Mordia, Arvind Kumar Verma	Design of Mechanical Systems
21	4234	A review on vibrational effects of pre-twisted rotating blades	Akshay Chandran P, Sudheesh Kumar C P	Design of Mechanical Systems
22	9580	A Review on Solar Box Cooker and Utilization of Phase Change Material as a Heat Storage Unit in it	Jishnu Rajeev, Kishor Kumar V V	Energy Engineering
23	5531	Design of reactive mufflers: a review	Jagath C M, Sudheesh Kumar C P	Design of Mechanical Systems
24	1761	A Review on Advances in Performance Improvement Techniques of Solar Thermal Collectors	Sourav D Kumar, Jayee K Varghese	Energy Engineering
25	2315	A Review of Efficiency Improvement Methods of Solar PV modules By Advanced Cooling Techniques	Nidhin Narayanan, Jayee K Varghese	Energy Engineering
26	5188	A Review on Hybrid Solar-Biomass Dryer for food processing integrated with Sun Tracking System	Shigina Babu E, Kishor Kumar V V	Energy Engineering
27	5323	Experimental Investigation of Thermal Hazards and Toxic Emissions from Process Industry Pool Fires	Sivi Varghese, Renjith V R	Thermal Science and Engineering

28	1242	Simply supported beam traversed by an undamped oscillator: An investigation of the influence of vehicle-bridge mass ratio on the dynamic responses	Priyesh Padmanabhan, Sudheesh Kumar C P	Design of Mechanical Systems
29	1711	Dynamic Simulation of Demethanizer Column Using Custom Column and its Dynamic HAZOP Study in Unisim Design	Sandra Ann Jacob, Soloman P A	Thermal Science and Engineering
30	5289	Buckling analysis and parametric study of fibre reinforced laminate with capsule shaped cut out	Rahul S R, Prasanth V S	Design of Mechanical Systems
31	2527	Particle Distribution Simulation of Functionally Graded AZ91-SiCp Composite fabricated by Centrifugal Casting	Haris Thomas, Arun M S, Abdul Samad P A	Manufacturing Engineering
32	7564	Experimental study and evaluation on tribological properties of blackseed oil (Nigella Sativa)	Arjun J, Mahipal D	Design of Mechanical Systems
33	6512	Optimization of the reflector position for the forced acoustic wave – shock interaction of an under-expanded C-D nozzle	Ambily P N, Mubarak A K, Abdul Samad P A, Rekha L, Karunakaran Kailash	Thermal Science and Engineering
34	0948	A field measurement to investigate the effects of raw material load on noise levels in domestic flour mill units	Prajith Raj C, Swasthik Narayanan, Jithin Venugopal, Vyshnav P, Sudheesh Kumar C P	Design of Mechanical Systems

35	3994	Real-time Defect Detection in Production of NTC Thermistor Discs	Asish Issac Alex, Sudheesh R S	Industrial Engineering
36	2314	Numerical Simulation of an Element of Thermoelectric Cooler for the Optimized Design	Jayadeep K, Kishor Kumar V V	Thermal Science and Engineering
37	1980	Milling of Titanium Alloy – A review	Aswanth K, Dhanesh Chatta	Manufacturing Engineering
38	8031	Selection of material for preparation of AA7xxx composite based on TOPSIS method	Vivek C Ravi, Manesh K K	Manufacturing Engineering
39	1641	Review on biomass cookstoves and the latest innovations	Jihin K, Dhanesh Chatta	Energy Engineering
40	7905	Effect of Geometrical alterations on hydrogen-air combustion characteristics of micro combustor	Arjun M J, Abdul Samad P A	Thermal Science and Engineering
41	2661	Experimental investigation of Torrefaction on Auger based Reactor	Muhammed Hafis N P, Priyak N K	Thermal Science and Engineering
42	1296	Plasma Characterization and Parametric Optimization of Ultrasonic Vibration assisted Micro EDM of Nitinol	Yadukrishna P S, Manesh K K	Manufacturing Engineering
43	3440	Analysis of different factors influencing the production plan of a Steel industry	Nayana Ravindran Bamgappatta, Sunil A S	Industrial Engineering
44	3883	Exergy Analysis of Biogas Steam Reforming for hydrogen production	Dhanya Menon, Soloman Antony	Energy Engineering
45	3365	Quantification of Cell Adhesion of Biological Samples through Image processing methods Applied to Fluorescent Micrographs	Priyanka C P, Sudeep U, Ramachandran K K	Manufacturing Engineering

46	8664	Production, Characterization and Performance Studies of Coconut Testa Biodiesel	Tennison K Jose, Ramachandran K K	Thermal Science and Engineering
47	9509	Numerical Analysis of Single Riveted lap joint Panels Under Tension load	Srilakshmi R	Design of Mechanical Systems
48	9696	Design and Fabrication of a personal noise enclosure for a stone crushing unit	Ansaf Mohammed Ashraf, Rohan P P, Devasuriya Devan, Nithin R, Sudheesh Kumar C P	Design of Mechanical Systems

Energy Engineering: 7

Thermal Science and Engineering: 12

Design of Mechanical Systems: 12

Manufacturing Engineering: 15

Industrial Engineering: 2