

TABLE OF CONTENTS

PAPER ID	PAPER TITLE WITH AUTHOR	PAGE NO
ICoN24-CS-011	A Hybrid Machine Learning Approach for Smart DDoS Detection <i>S.G. Suma and T.N. Namitha</i>	01
ICoN24-CS-012	A Review on Vehicle Speed and Helmet Detection Using Image Processing and Deep Learning <i>B. Sreelekshmi, Tessy Abraham Azhikakathu and T. Chippy</i>	01
ICoN24-CS-013	Blockchain for Better Governance: A Transparent and Decentralized E-Government <i>Mathu Uthaman, A. Niril, S. Anandu and Karthika Binu</i>	02
ICoN24-CS-014	A Framework to Make Transparent Voting System Using Blockchain Technology <i>Chithra S Ravi, A. Anub and M. Aparna</i>	03
ICoN24-CS-015	Comparative Analysis of Ridgelet, Contourlet and Curvelet Transform on Offline Character Recognition of Ancient Malayalam Script <i>R.S. Surya Nath, Vivitha Vijay and H. Hema</i>	04
ICoN24-CS-016	A Surveillance on those Who Disseminate Fake News <i>Hima Mohan, Preeti Mariam Mathews and A. Anila</i>	04
ICoN24-EC-012	Application of Image Processing Technology in Gas Pipeline Inner Wall Damage Detection <i>U. Umapparvathy, Dr.M.R. Simi and Dr.M.R. Rani</i>	05
ICoN24-EC-013	Design of a 6-Bit Folding ADC with Integrated Folding Circuit and Comparator <i>R. Prajeesh, Sony Sethukumar, A. Abhinaya and S.J. Praveen</i>	06
ICoN24-EC-014	Enhancement of the Self-heating Property using in GaAs Gate-All around MOSFETs <i>U. Malu, L. Ardra and B. Arya</i>	07
ICoN24-EC-015	Review on Modes of Metro Gate Access <i>Sony Sethukumar, Pavithraganga Padmanabhan Potty, Devika S. Nair and Sethulekshmi J. Pillai</i>	08
ICoN24-EC-016	Accurate Segmentation of Non Ideal Iris Images <i>Ratheesh Kumar, S. Nimisha, A. Minhaj and Animisha K Sadanandan</i>	08
ICoN24-EC-017	Advanced Robotic Safety System for Sludge Cleaning <i>Arathi Babu, B. Divya Das, M. Midhun and Praisly B Prakash</i>	09

ICoN24-EC-018	A Review Paper on IOT-Enhanced Vehicle Protection Network <i>S. Ponnambili, M. Rahna, Alan Zachariah and J. Megha</i>	10
ICoN24-EC-019	Innovative Approaches to Copyright Protection: Leveraging Neural Networks for Digital Watermarking <i>S. Ponnambili and S. Nimisha</i>	10
ICoN24-EE-013	Performance Comparison of Conventional LLC and Capacitor-Clamped LLC Resonant Converter for EV Charger <i>S. Amjith, R. Ramkumar and S. Amal</i>	11
ICoN24-EE-014	Boost Converter with MPPT Algorithm for Solar Energy Uses <i>S. Sarath and Dr.K. Vijayakumar</i>	12
ICoN24-ME-022	Study on Mechanical and Microstructural Behavior Analysis by Varying Process Parameter on Nylon 6 by Using Induction Assisted Friction Stir Welding (I-FSW) <i>Gangaraju, Ashish Srivastava, S. Ramesh and Darshini S Shekhar</i>	13
ICoN24-ME-023	Optimizing Turning Parameters for EN8 Steel: A Search for Balance <i>P. Praveen Kumar, Dr. Vipin Gopan, Subin B Markose and Yadhu Krishnan</i>	14
ICoN24-ME-024	Optimizing CNC Milling of Ti6Al4V: A Machining Parameter Analysis <i>S. Amal, S. Amjith, Nithya Krishnan and S. Mohammed Shibil</i>	15
ICoN24-ME-025	Design and Development of Multipurpose Agricultural Drone <i>Nithya Krishnan, S. Amal and Sivan S Kumar</i>	16
ICoN24-ME-026	A Review on Biodegradable Natural Fiber Reinforced in Polypropylene Composites <i>C. Brijesh and G.R. Arpitha</i>	17
ICoN24-ME-027	Investigation on Wear and Mechanical Properties of Aluminium Alloy LM13 Hybrid Composite <i>G.B. Mallikarjuna, G. Mahanthesh, E. Basavaraj and K. Sandeep</i>	17
ICoN24-ME-028	Design, Fabrication and Analysis of Water Filter Using Nano Graphene Oxide Coating <i>N. Manikanda Prabu, S. Jeevanantham, R. Siva Subramaniam and Nithya Krishnan</i>	18
ICoN24-ME-029	Exploring the Impact of Rotating Tool Electrode on Electrical Discharge Machining of AISI P20 Die Steel: An Experimental Analysis <i>Sivan S Kumar, Nithya Krishnan and S. Amal</i>	19
ICoN24-ME-030	Experimental Investigation of Coating of Epoxy Over SS316 <i>G. Arun Kumar, R.S. Sreeram, A. Akash, S. Adarsh and J. Jyothish</i>	20

ICoN24-ME-031	Enhanced Mechanical, and Thermal Properties of CNT Reinforced Aluminum Matrix Composites <i>K.A. Anand</i>	21
ICoN24-ME-033	Numerical Investigation on the Influence of Velocity on Cryogenic Two-phase Flow <i>Binet Monachan, Yadhu Krishnan, Rijo Jacob Thomas, Mathew Skaria, K.A. Shafi and S. Kasthuriangan</i>	22
ICoN24-ME-034	Numerical Investigation on the Impact of Localized Moving Heat Sources on Welding Residual Stress Distribution <i>N.S. Sivasubramaniyan, M.S. Sumanlal and V.M. Joy Varghese</i>	23
ICoN24-ME-035	A Comparative Numerical Study of Temperature Fields Developed During Hybrid Laser TIG Welding and TIG Welding Using Adaptive Double Ellipsoid Heat Source Model <i>M.S. Sumanlal, N.S. Sivasubramaniyan and V.M. Joy Varghese</i>	24
ICoN24-CE-21	Innovations in Seismic Retrofitting Strategies for Existing Structures: A Comprehensive Review <i>Shany Monachan, Dr.M.R. Simi and Gayathri Thampi</i>	25
ICoN24-CE-22	Causes of Delay in Construction Project & Its Importance <i>Siji Ninan, Dr.M.R. Simi and P. Suji</i>	26
ICoN24-CE-23	Base Isolation System for Seismic Protection of Buildings <i>Gokul, Dr.M.R. Simi and V. Ajay</i>	27
ICoN24-CE-24	Structural Health Monitoring <i>Anoopa, Dr.M.R. Simi and Neeraja Chandrasekhar</i>	28
ICoN24-CE-25	Cost Overrun in Construction Industry and Solution to Reduce Construction Cost <i>Preethy, Dr.M.R. Simi and V. Ajay</i>	29
ICoN24-CE-26	Environmental Impact Assessment in Construction <i>Akhila, Dr.M.R. Simi and Gayathri Thampi</i>	30
ICoN24-CE-27	Improvement of CBR Strength of Soil Subgrade Using Sustainable Material Such as Natural Coir Fibres <i>R.P. Abhijith, C.M. Renju and Dr.M.R. Simi</i>	31
ICoN24-CE-28	Comparative Study on the Strength Properties of Conventional and One-Part Geopolymer Concrete <i>C.M. Renju</i>	32
ICoN24-CE-29	Coconut Shell as Sustainable Aggregate for Concrete Pavement Block Manufacture <i>Jerin Joseph, M.K. Sheeja, Rinku John, Anlitta Michael and Risvana Rahim</i>	33

ICoN24-CE-30	Sustainable Waste Management Practices in the Construction Industry: A Comprehensive Approach <i>Akhil Surendran, Dr.M.R. Simi and P. Suji</i>	34
ICoN24-CE-31	Enhancing Labor Productivity in Construction: Insights, Analysis, And Recommendations <i>V. Ajay, Bhavya Krishnan, Gayathri Thampi and M.G. Lekshmi</i>	35
ICoN24-CE-32	Investigation on the Impact of Ethylene Vinyl Acetate and Sugarcane Bagasse Ash on the Properties of Cement Mortar <i>V. Balagopal, Jeslin P Raju, Aneesh A Kumar, Megha Sajeew and P. Veena</i>	36
ICoN24-CE-33	Optimization of Weights of Drastica Model by Genetic Algorithm <i>Dr.M.R. Simi, Dr.B.K. Bindhu, Dr. Abin Varghese and Dr.M.R. Rani</i>	37
ICoN24-CE-35	Impact of Vehicular and Industrial Emissions on Air Quality: A Case Study of Six Districts in Kerala, India (2017-2021) <i>M.G. Lekshmi, Aiswarya Jayalal, R. Sruthy, Aiswarya Devi and M. Aswathy</i>	38
ICoN24-CE-36	Enhancing Road Safety and Inclusive Transportation Planning: A Focus on India <i>Neeraja Chandrasekhar</i>	39
ICoN24-CE-37	Earthquake Response of RCC Frames with Bracing Using Base Isolation Techniques <i>P. Suji and Vijitha Vijayan</i>	40
ICoN24-CE-38	Analysis of FRP Strengthened Concrete Columns Under Different Loading Conditions Using Ansys <i>Sherin Elezabeth Sabu and Namitha Chandran</i>	41
ICoN24-CE-39	Influence of Plan Shapes on Annual Energy Consumption of Residential Buildings <i>Gayathri Thampi, P.A. Abhijith, Emil Johnson, Jithu Raj and S. Monish</i>	42
ICoN24-CE-40	Non-Linear Finite Element Analysis of Fibre Reinforced Concrete Pavements <i>Priya Grace Itti Eipe and Veena J Ravi</i>	43