

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
Arun Raj	Design and analysis of compact antenna for 5G advanced mm wave bands for V2X wireless telemetry applications	IEC74748	5G/6G Communication
Satish Kumar	Far Field radiation pattern synthesis of Elliptical Antenna Array for 5G and 6G communication systems	IEC56673	5G/6G Communication
PRABIR BANERJEE	Selection of a Suitable Filter to Reduce ISI and Improve BER for 5G Links	IEC36941	5G/6G Communication
Dr Labh Singh	Empowering Bharat's Digital Future through 5G Ecosystem and Bharat 6G Alliance (B6GA) Initiative - A collaborative approach.	IEC91281	5G/6G Communication
Amar Nath Bhadra	Energy transition in Indian power sector	IEC11407	Advanced fossil-fuel technologies
Ankita Kailas Patil	Experimental Validation of Palm Biodiesel and Mexicana Biodiesel for Hybrid Biodiesel Testing	IEC29128	Advanced fossil-fuel technologies
Dr. Ayindrila Roy	Intelligent Lung Cancer Detection System	IEC49976	AI /ML in Biomedical Research & Technology
Subhendu Sinha Chaudhuri	FelAug, WaterAug: Superpixel-Based Medical Image Augmentation Methods for Improving Accuracy And Reducing False Predictions In Dermatological Image Classifications	IEC64426	AI /ML in Biomedical Research & Technology
Shobhit Das	Prediction Of Post Operative Complications From Pre And Peri Operative Statistics Using Artificial Neural Network.	IEC44754	AI /ML in Biomedical Research & Technology
Gowtham Reddy Nimmalapalli	Investigation of Time-Frequency Features for the Detection of Epileptic Seizures Through Machine Learning Approaches	IEC88727	AI /ML in Biomedical Research & Technology
Aparnaa S	Machine Learning-Driven Scaffold Design: Advancing Tissue Engineering with Stem Cells.	IEC56641	AI /ML in Biomedical Research & Technology
IMAMA AJMI	Lung Cancer Detection Using Deep Learning	IEC22776	AI /ML in Biomedical Research & Technology
HAIMANTI CHAKRABORTY	Revolutionizing Healthcare: Unleashing AI and ML for Next-Gen Disease Detection	IEC18634	AI /ML in Biomedical Research & Technology
Garrik Hoyt	Medical Applications of Graph Convolutional Networks Using Electronic Health Records: A Survey	IEC7939	AI /ML in Biomedical Research & Technology
Chetan Tanaji Rakshe	Identification of Optimal Features for EEG-Based Authentication in Response to Emotional State	IEC50769	AI /ML in Biomedical Research & Technology
Ravi Ratnaik	STRUCTURAL CONNECTIVITY ANALYSIS IN ASD: A DTI-BASED MACHINE LEARNING CLASSIFICATION	IEC12280	AI /ML in Biomedical Research & Technology
Dhruva Shaw	Mind Controlled Bionic Arm with Sense of Touch	IEC5959	AI /ML in Biomedical Research & Technology
Gobinath Kaliyaperumal	Silent Speech Recognition using Cascaded Classifier with sEMG Measurements from Facial Muscles	IEC12385	AI /ML in Biomedical Research & Technology
DR.SHRIJA MADHU	Phytoremediation Technique for Reducing Air Pollution in Indoor Environments	IEC49345	Air pollution and Control
Akhilesh Sv	BARF - A web-based/terminal application for multi-objective optimization of pinned and rigid building frames using evolutionary algorithms.	IEC49542	Application of AI & ML and Computational techniques for Infrastructural systems
Sarvesh Terkar	Automated Arc Welder's PPE Object Detection System using YOLOv8 Large Model	IEC32392	Application of AI & ML and Computational techniques for Infrastructural systems
ARINDAM SARKAR	Higher Order Accurate Finite Difference Method for Solving Level Set Equation for Moving Interface Problems	IEC67358	Application of AI & ML and Computational techniques for Infrastructural systems
BISWANATH BARMAN	Exploring Flow Patterns Around Bluff Bodies Using Physics-Informed Neural Networks	IEC62315	Application of AI & ML and Computational techniques for Infrastructural systems
Dimple Chauhan	A Higher Order Compact Scheme for heat and mass transfer of a Micropolar fluid	IEC84300	Application of AI & ML and Computational techniques for Infrastructural systems
Natrajan Kumar	Digital Twin implementation in RFCCU	IEC20674	Application of AI and ML
Prithwiraj Purkait	Fault Diagnosis of Induction Motors using Variational Mode Decomposition (VMD) and Artificial Neural Network (ANN)	IEC3083	Applications of AI and ICT
SUBHASIS NATH	Study on Structure and Properties of Bioactive Bioceramic Biomaterial obtained from marine shell species Magallana Cuttackensis	IEC32451	Biomaterials, Tissue Engineering, and Regenerative Medicine

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
Joanna Rai	Wound Healing with the Controlled Degradation of Biomaterial	IEC29315	Biomaterials, Tissue Engineering, and Regenerative Medicine
Titli Debnath	Degradable Microcarriers and Their Role in Stem Cell Expansion and Hard Tissue Organoid Development	IEC95743	Biomaterials, Tissue Engineering, and Regenerative Medicine
SABITA BRATA DEY	Cancer Detection by Integrated Optic Devices: A Digital Signal Processing Approach	IEC82925	Biomedical Imaging-Sensing and Instrumentation
Sheetal Garg	A Web Based tool for Spinal Cord Tumor Classification from MRI	IEC33118	Biomedical Imaging-Sensing and Instrumentation
Santosh Jotiram Jagatap	A Comprehensive Review of Sensors in Medical Application	IEC5681	Biomedical Imaging-Sensing and Instrumentation
JAYANTA CHAKRABORTY	LEVERAGING FORCE-SENSING TECHNOLOGY FOR PERSONALIZED LBP CARE: A SCOPING REVIEW	IEC99079	Biomedical Imaging-Sensing and Instrumentation
PIYALI MUKHERJEE	Graphene FET Biochips on PCB for Exosome based Early Screening of Cancerous Cells	IEC50993	Biomedical Imaging-Sensing and Instrumentation
MOUTUSI MONDAL	Microwave Imaging: Using Gradient Method and Biconjugate Gradient Methods for Breast Cancer Detection	IEC3920	Biomedical Imaging-Sensing and Instrumentation
Souptik Roy	An IoT-based Smart Health Monitoring Wheelchair System for Physically Challenged People.	IEC34826	Biomedical Imaging-Sensing and Instrumentation
Indranil Nandi	CONTAINER FILLING SYSTEM FOR RADIOACTIVE MATERIALS	IEC2424	Biomedical Imaging-Sensing and Instrumentation
Paromita Mazumdar	THE USE OF THERMAL TEST, ELECTRIC PULP TEST AND USE OF MODIFIED PULSE OXIMETER FOR ASSESSMENT OF PULPAL STATUS OF PERMANENT MATURE TEETH	IEC85073	Biomedical Imaging-Sensing and Instrumentation
Dr. Chiranjit Bhowmik	Impact of Metrological Parameters on Tea Yield in Assam (India)	IEC89545	Climate Change – Mitigation and Adaptation
Dr. ARUL DAYANAND. S	BRIDGING TECHNOLOGY AND TRADITION: MOBILE APPS IN THE PRESERVATION OF THE IRULAR LANGUAGE	IEC55293	Computer Architecture
SOURAV BASU	A Brief Glimpse on the Design and Performance Analysis of Induction Furnaces	IEC33007	Condition monitoring and retrofitting
Ujjwal Kumar Kamila	Enhancing Healthcare Security and Efficiency Through Blockchain and Fully Homomorphic Encryption	IEC43639	Cyber Security
Dr. Jitendra Saxena	Advancements in Deep Fake Detection: Strengthening Trust and Security for Global Societal Growth and Sustainability.	IEC333	Cyber Security
DEVADHASHINY S.P	Phishing Detection Using Machine Learning Algorithm	IEC2721	Cyber Security
SUBHRA DHARA	Study on part replacement of coke breeze in iron or sintering process with heat altered coal and effects thereafter	IEC19342	Decarbonisation and Material Recycling
Vivek Soni	Role of Machine Learning Analytics to Secure Financial Fraud Operations	NULL	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Mahesh A Patil	A Systematic Review and Experimental Analysis of AR Based Simulator Used for Maritime Training	IEC96381	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
CHAYAN KUMAR BASAK	Application of Convolution Neural Network to Classify Thermal Tomographic Images for Heating Assessment	IEC60336	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
TATIRAJU.V.RAJANIKANTH	Optimizing Indian Agriculture with AI and IOT Selecting Mutation for Crop Optimization	IEC65760	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
S.Adharsh Narayana	BUSINESS GROWTH WITH AI/ML	IEC22427	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Saiyed Umer	ENHANCING HUMAN BEHAVIOR ANALYSIS IN DIGITAL SYSTEMS THROUGH DOMAIN ADAPTATION IN FACIAL EMOTION RECOGNITION	IEC66194	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Supriya Gain	Exploration of Relative Permittivity As a Marker For Moisture Content in Bamboo Samples	IEC74268	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Prateek Khanna	Quantum Speedup of Machine Learning Algorithms	IEC89694	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
SHILLPI MISHRRA	Revolutionizing Healthcare: A Comprehensive Survey on Large Language Models	IEC43935	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
swati chowdhuri	A Comprehensive Approach for Enhancing Mental Well-Being through the Application of Restorative Frequencies	IEC44417	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
SHAHEEN WASIF	Development Of An IoT Based Simplex Wireless Communication Protocol For Smart Lighting Control	IEC35197	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
PRATAP PREMCHANDRAN NAIR	Comprehensive Survey on Blockchain-Based Identity and Access Management Systems in Mobile Networks	IEC29928	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Kyamelia Roy	Towards Sustainable Aquaculture: Real-Time Detection of Freshwater Fish Species in the Indian Subcontinent	IEC85725	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Manodipan Sahoo	Wireless IoT-Based Soil Health Monitoring System by using Soil NPK Sensor for Crop Yield Optimization	IEC54034	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Manodipan Sahoo	Development of Smart Helmet for Safety of Underground Mine workers	IEC27886	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Arun Raj	Leveraging AI and Digital Twin Technology to Shape the Future of 6G Wireless Communication Networks	IEC69	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Dr.T.DHANALAKSHMI	Electricity Power Defense Mechanism	IEC62341	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Aniruddha Dey	Applications of textural features and PCA on facial recognition after medical alterations	IEC17124	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Om Shree Gyanraj	Robust Deep Learning Model for Plant Disease Identification and Management with Crop-Specific Precision	IEC44093	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Avishek	Gen AI-Powered Distributed Asset Health Monitoring, Data Ops & Chat Interface	IEC73247	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Dr. Jitendra Saxena	Machine Learning and Artificial Intelligence in Object Detection: Applications, and Future Emerging Trends in Technologies	IEC96545	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Dr. Jitendra Saxena	Enhancing Data Integrity and Privacy in Remote Patient Monitoring: A Blockchain-IoT Integrated Framework	IEC97075	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Roneeta Purkayastha	Facial-recognition Based Secured Cloud Voting System using Transfer Learning	IEC36267	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Dr. Anirban Dutta	Current Trends and Technological Features of E-Textile, Smart Garments and Intelligent Apparels: An Overview	IEC80967	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
ARPITA SANTRA	Cave Mapping Using Unmanned Remote Controlled Vehicle	IEC78768	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Prolay Sharma	Effects of frequency and mass variations on QCM response by eco-friendly green synthesis of Silver Nanoparticles derived from Murraya Koenigii leaf extract	IEC77249	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Prolay Sharma	Estimation of Chilli Growth Parameters: Monitoring Length and Width in Field Conditions with Low-Cost, Portable IoT-Based Device	IEC44546	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Biswajit Halder	Computerized verification analysis for digitally printed receipts	IEC62614	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Abhijeet Gorey	A Compact and Non-Invasive Photoacoustic Sensor with AI for Volume Solids Measurement of Paints	IEC98532	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Sushmita Sikdar	Blockchain, IIoT, and Neural Networks for Transparent and Predictive Agricultural Supply Chains	IEC13728	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Subhasri Chatterjee	PLASMONIC METAMATERIAL SENSOR FOR NANOPLASTIC DETECTION	IEC15719	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
SUBHASHINI R	A Novel Lightweight Cryptographic Protocol for Smart Home IoT Security Using CoAP	IEC72068	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Writi Mitra Sarkar	Meijering Filter Based Approach for the Identification of Papaya Seed Adulterants in Black Pepper	IEC27842	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Dhanushpriya T	Child exploitation and Abuse	IEC45716	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Subiksha T	Enhancing Security in User Authentication: A Hybrid Approach Using Biometric and Behavioral Analysis	IEC61857	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
SUPARNA PAL	APPLICATION OF NLP IN JOB SEARCH IN SOCIAL MEDIA (Analysis, Comparison, and Prediction of Job Search in LinkedIn & Indeed site)	IEC27843	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
MD IQBAL	Novel Data Imputation Technique for mental health prediction	IEC23490	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
MOSTAFIJUR RAHMAN	XceptionNet: A Truly Exceptional Deep Learning Network for Brain Tumor Characterization	IEC7296	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
Taniya Sahana	Hand Gesture Recognition for Deaf-Mute: Insights from RGB and RGB-D Driven Deep Networks	IEC74465	Digital Transformation(AI/ML, Bigdata, IoT, IIoT, Analytics, Cloud Computing, Digital Twin, Robotics, Industry 4.0/5.0)
MUDAVATH MOTHILAL	Seismic Behaviour Assessment of Conventional and Hybrid Reinforced Concrete Buildings	IEC2817	Disaster Resilient Infrastructural systems
DEB DULAL TRIPURA	Performance of cob buildings during devastating Tripura flood August, 2024	IEC20948	Disaster Resilient Infrastructural systems
Dr. Soumitra Maiti	Removal of Chloride from Wastewater using Anion Exchange Resin: Fixed Bed Column Study	IEC43305	Disaster Resilient Infrastructural systems
PATHIK DEBMALLIK	UNIQUE STEEL CONCRETE COMPOSITE FOR MOST DEMANDING CIVIL ENGINEERING APPLICATIONS IN INFRASTRUCTURAL SYSTEM	IEC57391	Disaster Resilient Infrastructural systems
Dr. Goutam Khankari	3-E Analysis of the Vapour Absorption Refrigeration system with Micro-Steam Turbine Integration: An Efforts Towards Energy Conservation in the Thermal Power Plants	IEC81174	Distributed generation, micro-grid and smart grid
Prithwiraj Purkait	Economic Dispatch of a Hybrid Solar-Wind-Biomass based Microgrid using Novel Nilgiri Tahr Optimization	IEC28601	Distributed generation, micro-grid and smart grid
Prithwiraj Purkait	Real-Time Performance Monitoring of a Grid-Connected Microgrid with PMSM-Based Wind Energy Conversion System	IEC93256	Distributed generation, micro-grid and smart grid
RISAV DUTTA	Techno-Economic Optimization for Overall Sustainability of Decentralized Hybrid Energy System Using Machine-Learning Based Forecasting of Load and Weather Data	IEC64210	Distributed generation, micro-grid and smart grid
AMITH VIJAYAN	Prosumer Power Exchange with Battery Energy Storage Systems Integration in India	IEC97686	Distributed generation, micro-grid and smart grid
Pratik Kumar Baidya	An economical micro grid architecture for Single-phase to three phase power governance system	IEC49191	Distributed generation, micro-grid and smart grid
Priynka Sharma	Decentralized Control Strategies for Grid Stability	IEC79686	Distributed generation, micro-grid and smart grid
MOUMITA PRAMANIK	Modelling and Impact Assessment of Renewable-based Bidirectional Power Flow on the Performance of Distribution Transformers	IEC23823	Distributed generation, micro-grid and smart grid
Shouvik Mondal	3-Phase Fault Detection using Neural Network by Wavelet Transform on PV-Biomass based Grid Connected Microgrid system	IEC37567	Distributed generation, micro-grid and smart grid
ABHISHEK KUMAR	Transforming the Indian Renewable energy Rural microgrid with the synergy of block Chain analytics	IEC34711	Distributed generation, micro-grid and smart grid
BASANT KUMAR	Energy Efficient Motors	NULL	Electrical machines and drives
Dr.Swapnila Roy	Emerging Pollutants in Soil and Water: Detection, Assessment, and Remediation Techniques	IEC45073	Emerging Pollutants
DR. MEHEBUB ALAM	Development and Validation of a New mathematical Model for Fair Loss Allocation Among the Market Participants in Deregulated Power system	IEC50058	Energy policy, economics and sustainability
K Sridharan	ENERGY SCENARIO IN INDIA	IEC67114	Energy policy, economics and sustainability
Mahendra Kumar P	Transitioning to a Low-Carbon Economy in India: Policy Framework and Economic Outcomes	IEC81446	Energy policy, economics and sustainability
RAJ KUMAR MUKHERJEE	Energy Policy, Economics and Sustainability for India : Challenges Ahead and their Mitigation Measures	IEC69850	Energy policy, economics and sustainability
Ms. Dipu Mistry	Integration of Virtual Power Plants for a New Generation Smart Grid in Electricity Market	IEC29273	Energy policy, economics and sustainability
SUSOVAN DUTTA	Uncertainty Realization through Stochastic Scheduling through Energy and Reserve Markets	IEC70431	Energy policy, economics and sustainability
WRITWIK BALOW	Projecting or estimating Nodal Congestion Price and IMO Pay by Ada-Boost for of a Restructured Electrical Market	IEC1404	Energy policy, economics and sustainability
RAHUL M	Design and Fabrication of Multi-Material Sodium Anode Filaments for Fused Filament Fabrication Using Hard carbon	IEC32274	Energy storage technologies
Manhar Jadav	Pump Hydro Storage Project (PSP) - Energy storage technologies	IEC52277	Energy storage technologies

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
Sayan Das	Prospective Prioritization of Strategies for Sustainable Development of Storage Industry of India by Integrating SWOT-Hesitant Fuzzy MCDM Method	IEC92829	Energy storage technologies
RAJBANSI KOGNOLE RANADIVE	Enhance current boosting for MHTG using TP4056 module and make it application suitable	IEC59788	Energy storage technologies
Nirmalendu Biswas	Optimizing Heat Transfer in PCM-Based Thermal Energy Storage Systems	IEC57991	Energy storage technologies
Dr. Sankar Roy Maulik	Exploration and optimisation of eco-friendly dyeing with natural indigo	IEC96796	Environmental Pollution and Management
Dr. Sankar Roy Maulik	Sound absorbing textiles – a review of accomplishing quiet comfort	IEC73909	Environmental Pollution and Management
GUTTURTHI SOHITA	Novel Approaches: Shipborne Oil Slick Detection and Mitigation	IEC51255	Environmental Pollution and Management
Aleena Babu	DECARBONIZING THE MARITIME INDUSTRY : THE WAY AHEAD	IEC19323	Environmental Pollution and Management
SHRIHARI SURATHKAL	Iron Removal from Aqueous Solution using Copra Cake Biochar as Adsorbent	IEC69472	Environmental Pollution and Management
DR S GOVINDASAMI	An Investigation on Quantity of Domestic Wastes Generated from Packed Utilities	IEC29747	Environmental Pollution and Management
Sandipan Bhattacharya	Utilization of a biochar synthesized from rice straw and modified by a Hummer's method for the purpose of removing Carbamazepine from its aqueous solution: Batch study and fixed bed study	IEC48090	Environmental Pollution and Management
SADHAN KUMAR SARKAR	Ship Operation for Net Zero Emission	IEC98328	Environmental Pollution and Management
Spandan Ghosh	The Recycling Gap: Assessing India's E-Waste Management Infrastructure	IEC53107	Environmental Pollution and Management
Mary Sarker	Effluent Discharge from Metal & Metallurgical Industries – Environmental Impact and Control	IEC74956	Environmental Pollution and Management
Bharat Namdev Kharad	Design Innovations and Performance Optimization in Tilting Pad Journal Bearings: A Review	IEC20145	Frontier technologies in mobility
Dhrubajyoti Neog	Achieving Flowability for Enhancing Crude Oil Recovery using PIPESIM software	IEC44090	Gas Processing
Bishakh Bhattacharya	Phase Response Synchronization using Fractional Kuramoto and Repressilator Models	IEC2144	Genomics, Bioinformatics, and Synthetic Biology
Arup Mukherjee	Intelligent & Predictive Maintenance with retrofittable Onboard and Remote Monitoring Systems for Construction Equipment	IEC22319	Health Monitoring and Retrofitting of Infrastructural systems
Mangesh Daji Kevadkar	New Technique for Evaluating Concrete Strength Through Non-Destructive Testing	IEC39417	Health Monitoring and Retrofitting of Infrastructural systems
Dr.A. NARAYANA RAO	DYNAMIC BEHAVIOUR AND NUMERICAL ANALYSIS OF A SUPPORTIVE TRANSPORTATION INFRASTRUCTURE: A CASE STUDY	IEC67763	Health Monitoring and Retrofitting of Infrastructural systems
Prathamesh Mahesh Varma	Inclinometer-based health monitoring and digital twin development for simply supported beam subjected to point load	IEC90596	Health Monitoring and Retrofitting of Infrastructural systems
Arbab Sur	Retrofitting of Structural Members with Post-Tensioned CFRP Strips	IEC88585	Health Monitoring and Retrofitting of Infrastructural systems
Arup Mukherjee	Enhance the life of Sprocket (Ground Engaging Tool) in hydraulic excavators by adding "Boron" as a Micro-alloying element	IEC14509	High Performance Structural Materials for Mobility Applications
Dr.R.Ashok Gandhi	Mechanical testing and Structural analysis of Banana Fiber Reinforced Composite material	IEC19165	High Performance Structural Materials for Mobility Applications
Pradip Sahana	Mitigating Failures in 309S Stainless Steel Furnace Component: Causes and Solutions	IEC82798	High Performance Structural Materials for Mobility Applications
Dr A Manjunath	Modeling and Simulation Studies on TIG Welding of Gas Turbine Combustion Liner Sub-Assemblies	IEC69270	High Performance Structural Materials for Mobility Applications
RAHUL KUMAR SINGH	CASE STUDY OF FEM ANALYSIS OF SPREADER BEAM (LIFTING OF BEAM)	IEC82979	High Performance Structural Materials for Mobility Applications
Debdas Roy	Effect of ageing on microstructure and mechanical properties of Mg-10%Sn alloys	IEC23010	High Performance Structural Materials for Mobility Applications

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
Rajeev Agrawal	Green Hydrogen Genset	IEC16175	Hydrogen and fuel cell technologies
Madhu G Dr	Green Hydrogen: Engineering and Safety Challenges	IEC23561	Hydrogen Economy and Circular Economy
Debanjan Kundu	Potential Mechanisms of Selected Intracellular Metabolites on HEWL Aggregation: Insights from Endpoint Assays, Aggregation Kinetics and Computational Studies	IEC59332	Interdisciplinary Biomedical Research
Gufuran Ahmad	Bidirectional Gated Recurrent Unit based Recurrent Neural Network for the Real-Time Prediction of Epileptic Seizure Stroke	IEC44147	Interdisciplinary Biomedical Research
Venugopal G	Facial EMG based approach for investigating the activation of Zygomaticus Major during the articulation of Malayalam Phonemes	IEC96327	Interdisciplinary Biomedical Research
Nirmalendu Biswas	A Numerical Investigation of Thermal Transport for Magnetic Fluid Hyperthermia in Breast Tissue with Lobular Carcinoma	IEC70450	Interdisciplinary Biomedical Research
Snehadri Bhaumik	Interaction Dynamics of Pristine and Pt-decorated ZnO Nanosheet during Cytosine Adsorption: A Robust Electro-Chemical Analysis of Biosensor	IEC32863	Interdisciplinary Biomedical Research
Soumya Mukherjee	Synthesis and Characterization of Delafossite CuAlO <sub>2</sub> by Sol-Gel process	IEC14477	Materials for Energy, Sensors and other Electronics Applications
Soumya Mukherjee	Phase Analysis, Dielectric, PL and Microhardness of CuAlO <sub>2</sub> by Ball Milling process	IEC57684	Materials for Energy, Sensors and other Electronics Applications
Dr Surajit Sengupta	Design and Development of Computerised Instrument for Testing Bending Behaviour of Semi-rigid Fabrics	IEC81560	Materials for Energy, Sensors and other Electronics Applications
UJAAN CHATTERJEE	ANALYSIS OF VIRAL PROTEINS FROM COMMON VIRUSES OF WEST BENGAL FOR POTENTIAL DRUG TARGETS USING BIOINFORMATICS TOOLS	IEC45430	Microbiology, Virology, and Evidence-based Medicine
Dristi Majumdar	Evaluation of Lactic Acid Bacteria from Chilli and Capsicum Stalks (Calyx) as a Starter Culture for Curd (Dahi) Preparation	IEC34121	Microbiology, Virology, and Evidence-based Medicine
Paramita Basu	Wastewater Testing for Surveillance of Covid-19 Outbreaks at a Ward Level: Emerging Insights from Bangalore City in India	IEC95247	Microbiology, Virology, and Evidence-based Medicine
Puja Das	A wideband MIMO reconfigurable antenna for RF energy harvesting	IEC382	Microwave, Millimeter Wave and THz Communication
Soumya Chakravarty	A Novel Design of Metasurface Flat Antenna Modules for Low-Profile VSAT Mobile Terminal Applications	IEC59986	Microwave, Millimeter Wave and THz Communication
Amartya Banerjee	Minkowski Fractal Shaped Reconfigurable Intelligent Surface Design With Bi-Directional Beam-Tilt Performance	IEC70946	Microwave, Millimeter Wave and THz Communication
ARPITA SANTRA	Design and Characterization studies of Terahertz Antenna for Sustainable Health	IEC53942	Microwave, Millimeter Wave and THz Communication
Gourab Das	Design of MIMO DRA with Isolation Strips and Metallic Rod for Enhanced Performance in Microwave Applications	IEC32225	Microwave, Millimeter Wave and THz Communication
Dibyendu Mondal	A Brief Glimpse on the Development of Aluminium Matrix based composites using Wastes by Powder Metallurgy Route	IEC13634	Mineral beneficiation and waste management
Sambit Senapati	EFFECT OF SOLIDS CONCENTRATION ON THE RHEOLOGY AND PIPELINE TRANSPORTATION OF RED MUD SLURRY	IEC9230	Mineral beneficiation and waste management
ASHIM KUMAR MUKHERJEE	Dry Beneficiation of Coal by DE-XRT SBS Technology	IEC57282	Mineral beneficiation and waste management
SUPRATIM DASCHOU DHURY	Risk Involved in Mining Waste Management	IEC11139	Mineral beneficiation and waste management
ER.KIRIT B.TRIVEDI	RAIN WATER HARVESTING IS THE KEY TO MITIGATE FLOODS	IEC10554	Natural Disaster Mitigation
SUMIT NARAYAN CHOWDHURI	Fractal Dimension and Earthquake Frequency Magnitude Distribution in West Patna Fault, Bihar	IEC99914	Natural Disaster Mitigation
PRADIPTA CHAKRABORTY	REMOTE SENSING BASED DISASTER MANAGEMENT	IEC68944	Natural Disaster Mitigation
Prof. Sudipto Chakraborty	Droplet Dynamics: A New Frontier in Energy harvesting	IEC83477	Net Zero, Sustainability
Saswata Chakraborty	Amine Functionalized Activated Carbon Sourced from Wood Dust for CO <sub>2</sub> Capture	IEC75237	Net Zero, Sustainability
Susurla Venkata Sanyas Suresh	Need For Wearables in Generating EHRs for Physical Rehabilitation Sector, Pheezee® A Case Study	IEC54384	Neural and Rehabilitation Engineering/Technology

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
Eashita Chowdhury	Determining the efficacy of using EEG Signals in Post-Stroke rehabilitation engineering applications through a pilot study	IEC81438	Neural and Rehabilitation Engineering/Technology
Santosh Jotiram Jagatap	Fiber Bragg Grating Sensor for Precise Monitoring of Healthcare Parameters	IEC98331	Optical Fiber Communication
N.Ramanujacharyulu & Dr. K.V.Prasad	Addressing Systemic Chasklenges in the construction Industry: Pathways to Sustainable Improvement	IEC65812	Planning and design of Infrastructural systems
Aditya Jaiswal	Design of Transfer Beam for Torsion & It's Analysis in Different Seismic Zones	IEC22309	Planning and design of Infrastructural systems
CHIRANJIB SARKAR	Design concept, optimisation opportunities and challenges of an Underground Station supporting a Flyover and Ramp	IEC95497	Planning and design of Infrastructural systems
MUKESH KUMAR SINHA	LIFT IRRIGATION – RE-ENGINEERING OF IRRIGATION PROJECTS IN THE STATE OF TELANGANA	IEC1133	Planning and design of Infrastructural systems
Sadhan Chandra Ray	Development of Infra-structure for Measurement of Needle butt-Cam interactive force inside knitting zone of Double Jersey Knitting Machine	IEC56565	Planning and design of Infrastructural systems
Pranabesh R Das	Project execution marvel in refinery, petrochemical, fertilizer, and similar chemical plants – leverage modularization	IEC19999	Planning and design of Infrastructural systems
CHAITALI GANGWAL	A Comprehensive Exploration of Planning and Designing Effective Infrastructural Systems	IEC36790	Planning and design of Infrastructural systems
ADITI CHOURASIA	Planning and design of Infrastructural systems	IEC91263	Planning and design of Infrastructural systems
Dr. Sankar Roy Maulik	Integration of Advanced Multi-material Fibres in Electronic and Smart Textiles	IEC54788	Polymer and Nano Materials
S. Dharmalingam	Power System Flexibility – a Key Enabler for the Energy Transition	IEC75354	Power system stability, reliability and flexibility
alok pratap singh	Analysis and Risk Assessment of Fault Induced Delayed Voltage Recovery Events and its interplay with Load Nature	IEC52519	Power system stability, reliability and flexibility
HIMANSHU KUMAR	Retrofitment of SEALGUARD ASSEMBLY in WAGON TIPPLER for reliable operation of movable Side beam in wagon tippler :A case study of NTPC KUDGI	IEC5848	Power system stability, reliability and flexibility
Dharmadas Mandal	A Comparative Study of Various FACTS devices used in Modern Power Systems for Efficient and Reliable Power Transmission	IEC39801	Power system stability, reliability and flexibility
Maitrayee Chakrabarty	An effective configuration approach by Reverse delete algorithm based on graph theory	IEC67924	Power system stability, reliability and flexibility
SUPARNA PAL	MODERN CONCEPT AND ANALYSIS OF POWER SYSTEM STABILITY IMPROVEMENT BY STATE ESTIMATION AND SOFT COMPUTING TECHNIQUE	IEC88714	Power system stability, reliability and flexibility
ABHISHEK KUMAR	Optimizing Energy Consumption and Enhancing Performance Reliability: The Synergistic Impact of Energy Management Systems and Energy Audits	IEC89195	Power system stability, reliability and flexibility
Siddarth	The Convergence of Quantum Computing and AI in Defense: Shaping the Future of Global Security	IEC48667	Quantum Computing- Quantum Sensing, Quantum Security, Quantum Communication
Prof.(Dr.) Bhavana Narain	Quantum Algorithms and Computational Advantages for Fintech Safety	IEC8235	Quantum Computing- Quantum Sensing, Quantum Security, Quantum Communication
Arup Mukherjee	Innovative Solution by Hybrid charging feature for reducing down-time of Battery Trolley.	IEC20606	Renewable energy technologies
BISWAJIT HALDER	SUBOPTIMAL ROBUST PD CONTROLLER DESIGN OF STEWART PLATFORM MANIPULATOR BASED DUAL AXIS SOLAR TRACKER SYSTEM WITH SEMI-ISOTROPIC TOOL CENTER POINT	IEC41721	Renewable energy technologies
Satyabrata Podder	Installation and Experimentation of a Vertical Axis Wind Turbine for Domestic Purpose	IEC13616	Renewable energy technologies
ER.KIRIT B.TRIVEDI	WAVES & TIDES"-GOD'S GIFT FOR POWER GENERATION	IEC83032	Renewable energy technologies
Jnan Ranjan Pal	RENEWABLE ENERGY SOURCES WITH SPECIAL EFFORT ON HYDROPOWER FOR SUSTAINABLE DEVELOPMENT	IEC2946	Renewable energy technologies
Prithwiraj Purkait	Experimental Investigations on a Grid-Connected Microgrid with DFIG-Based Wind Generator	IEC27011	Renewable energy technologies
DHRUBAJYOTI BANERJEE	PV Based Security Lighting System of 3 Wheeled Electric Vehicles for Rural Transportation	IEC4687	Renewable energy technologies

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
Srijani Ghosh	Photovoltaic Efficiency: Breakthroughs in Cell Design and Performance – A Review	IEC43608	Renewable energy technologies
ALAPATI BABJI	Performance, emission and combustion characteristics of a Variable Compression Ratio Diesel Engine Fueled with Hibiscus Cocos Nucifera Biodiesel	IEC58244	Renewable energy technologies
Asoke Kumar Paul	Solar Thermal Energy Storage: Emerging Techniques and Technologies	IEC32699	Renewable energy technologies
Rajyasree Chakrabarty	Advancements in Photovoltaic Technology: Next-Generation Materials and Applications -A Review	IEC21277	Renewable energy technologies
DEBRAJ DUTTA	Utilization of Solar Energy and Its Potential for Various Uses in the Indian Context: A Comprehensive Literature Review	IEC59419	Renewable energy technologies
SUCHARITA PAL	Design of Interleaved Buck-Boost Converter for Green Energy Application	IEC42401	Renewable energy technologies
Maitrayee Chakrabarty	A productive optimization strategy for the Relay Coordination issue	IEC69302	Renewable energy technologies
Swarnendu Bhattacharya	Potential for Generation of Solar PV Waste and Its Effective Utilization in the Indian Context, A Literature Review	IEC31181	Renewable energy technologies
BIBHAS NAYAK	MODEL DEVELOPMENT AND ANALYSIS OF A GREENHOUSE AIR- CONDITIONING SYSTEM COUPLED WITH A DESICCANT-COATED HEAT EXCHANGER AND A DEW POINT INDIRECT EVAPORATIVE COOLER	IEC72043	Renewable energy technologies
Arkadeep Datta	OPTIMIZING MESH GEOMETRY AND ORIENTATION FOR FOG HARVESTING IN COOLING TOWERS	IEC70796	Renewable energy technologies
Arighna Bhattacharjee	Quantum Dot Solar Cell: Device Modelling and Efficiency Enhancement using CdTe Quantum Dots	IEC35695	Renewable energy technologies
Mrityunjay Singh	Enhancing Sparse Geothermal Gradient Data at Regional Geological Scales Using Generative Adversarial Networks	IEC82704	Renewable energy technologies
Indrajit Bose	Performance Enhancement of Rooftop SPV Power Plant by 3C (Continuous Cleaning and Cooling) Process	IEC25110	Renewable energy technologies
Asok Kumar Ghosh	Fundamentals of River Rejuvenation and Application in Industrial Site Selection	IEC55345	River Rejuvenation
Bitasta Ghosh	WATER QUALITY INDEX AND SEDIMENT ANALYSIS IN THE LOWER BASIN OF THE RIVER HOOGHLY	IEC8422	River Rejuvenation
Usha Rani Dash	Antibiotic Detection in River Water by Electric Field enhanced Graphene Electrochemical Sensor	IEC99195	River Rejuvenation
Ashish Suresh Patil	An assessment of the high mast poles' reliability with corrosion contemplated	IEC50391	Safety and Reliability of Infrastructural systems
Sudarshan Kumar Chaudhary	Analytical reliability assessment of soil liquefaction probability of failure using dynamic penetration test data	IEC53203	Safety and Reliability of Infrastructural systems
Dr Rajeshri R Itkarkar	An IoT enabled Health Monitoring System for Construction workers	IEC34342	Safety and Reliability of Infrastructural systems
Dr. Ayindrila Roy	Adaptive Intensity Control and Fault Detection in Smart Street Lighting	NULL	Smart energy utilization technologies
Dr. Ayindrila Roy	Adaptive Intensity Control and Fault Detection in Smart Street Lighting	IEC74663	Smart energy utilization technologies
ASADUR RAHMAN	Performance Evaluation of Solar PV and Hybrid PV/T Systems: A Step to Enhance System Efficiency	IEC93788	Smart energy utilization technologies
GANTYADA KARTHIK	Case study on design and analysis of electrical heat tracing on tank roof nozzle	IEC45327	Smart energy utilization technologies
Ashwani Punia	3D Mixed Convective Analysis in a Vented Cavity with Heated Baffles Using a Higher-Order Super Compact Scheme	IEC36399	Smart energy utilization technologies
DR SWAPAN BHAUMIK	Development Of Energy-Efficient Heating Surfaces Of Aluminium	IEC600	Smart energy utilization technologies
Dr Kishan Choudhuri	Simulation of Bottom Hole Pressure in Managed Pressure Drilling through MATLAB - SIMULINK	IEC35585	Smart energy utilization technologies

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
Dr. Dipak Debbarma	Numerical Investigation on Employment of Cavities on Sidewalls of the Microchannel Heat Sink and Parametric Study of the Cavities on the Effect of Performances of the Heat Sink.	IEC89821	Smart energy utilization technologies
MOUMITA PRAMANIK	Low-Cost Self-Cleaning System for Efficiency Enhancement of Onboard Smart Nanogrid in Green Transport	IEC66507	Smart energy utilization technologies
Rohith Jain	Evaluating the Structural Integrity of Gabion Walls under Repeated Lateral Loads using alternative infill materials	IEC91205	Special Infrastructural system and New Technologies
Mainak Ghosal	Self-Healing Nano Additives for Augmenting the Durability & Sustainability of Cement Composites	IEC68132	Special Infrastructural system and New Technologies
Dr. Satheesh Kumar Gopal	Autocross - An automated transit shuttle system for decoupling pedestrians and road traffic	IEC61765	Special Infrastructural system and New Technologies
Subhankar Maity	Manufacturing of Indigenous Tribal Bi-Component Fibres for Technical Textile Sector	IEC55890	Special Infrastructural system and New Technologies
Ankit	BORDER SECURITY LIGHTING: COMPARISON AND IMPLEMENTATION OF DIFFERENT TYPES OF PHOTOMETRIC DISTRIBUTION	IEC78856	Special Infrastructural system and New Technologies
Dr. Sankar Roy Maulik	Turning art into design: creating a surface with a discharging effect	IEC30297	Speciality Chemicals
P Venkatesan	Sustainability in Mining through Cradle to Cradle approach	IEC75739	Sustainability in mining
Shatadru Kundu	Analysing the Behaviour of PVC Concrete Prop through Laboratory Investigation & Numerical Modelling	IEC32253	Sustainability in mining
NABYENDU NEOGI	STUDY ON HOT HOLE BLASTING FOR HIGH-TEMPERATURE MINING ENVIRONMENTS: TECHNIQUES, CHALLENGES, MITIGATION STRATEGIES AND ENVIRONMENTAL IMPACTS	IEC69870	Sustainability in mining
MAITREYA RANJIT	Renewable Energy and Carbon Footprint Reduction in Mining	IEC56	Sustainability in mining
Malathi NARRA	soil slope stability using msw inceneration ash	IEC76553	Sustainable Development and Smart Cities
Pankaj Kumar Tiwari	Structural Conservation Work of Rumi Gate, Lucknow- An Overview	IEC53884	Sustainable Development and Smart Cities
RAVI PRAKASH SUTHAR	Circular Economy of Water: Production to Reuse for Sustainability	IEC29740	Sustainable Development and Smart Cities
R S Jayasuriya	Smart Precision Irrigation System: Matrix-Driven Capacitive Sensing Optimization with Machine Learning	IEC1595	Sustainable Development and Smart Cities
S.Vijayan	Pathways to Sustainability for Higher Education Institutions: NIRF induced SDGs	IEC9009	Sustainable Development and Smart Cities
Somdeep Chakraborty	Water harvesting from air conditioners: a green approach	IEC41020	Sustainable Development and Smart Cities
NILAY MALLICK	Transport Sustainability in Extreme Weather Conditions: An Indian Perspective	IEC67101	Sustainable Development and Smart Cities
Dr Sambhu Nath Chattopadhyay	Bio Treatment of Jute for Sustainable Scouring: An Alternative Approach	IEC80660	Sustainable Industrial Processing and Green Technologies
Dr. Abhijit Mukherjee	The Promise of Syzygium Aromaticum (Clove Oil) in Developing Antimicrobial and Green Textiles	IEC45750	Sustainable Industrial Processing and Green Technologies
Dr. Sankar Roy Maulik	Fragrance finishing on textiles through microencapsulation	IEC4270	Sustainable Industrial Processing and Green Technologies
Dr. Sankar Roy Maulik	Diversified use of water hyacinth	IEC91468	Sustainable Industrial Processing and Green Technologies
Dr. Sankar Roy Maulik	The functional aspects of natural dyes used in traditional textiles	IEC38742	Sustainable Industrial Processing and Green Technologies
Dr. Sankar Roy Maulik	Exploration of resist technique with natural dyes	IEC79003	Sustainable Industrial Processing and Green Technologies
Arya chakraborty	Study of Compressive Strength of Concrete Modified with Pulverized Water Hyacinth	IEC97495	Sustainable Industrial Processing and Green Technologies
Sukanta Kumar Dash	Improving power plant efficiency through Carbon Capture and Utilization: CO2 Capture in a Rotating Packed Bed Pilot plant of one TPD Capacity	IEC87726	Sustainable Industrial Processing and Green Technologies
Vikram Kumar	Comparative Analysis of Microwave Cavities for Biomedical Waste	IEC51299	Sustainable Industrial Processing and Green Technologies

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
Naba kumar Das	Title: Leveraging AI and Continuous Improvement for Zero Defects and Sustainability in the Automotive	IEC4195	Sustainable Industrial Processing and Green Technologies
Dr. Pavan M	The Selection of Optimal Biocomposite by Utilizing a Multi- Criteria Decision-Making Technique	IEC59702	Sustainable Industrial Processing and Green Technologies
Ammayappan Lakshmanan	Standardization of sustainable surface modification protocol of nonwoven jute fabric with dry heat treatment for the development of biocomposite products	IEC11665	Sustainable Industrial Processing and Green Technologies
Subhadeep Mondal	Ground Improvement by Admixture using Banana Fiber: Experimental Study	IEC30711	Sustainable Material for Infrastructural systems
Tanusri Dutta	Investigation on Behavior of Concrete Modified with Water Hyacinth Fiber	IEC75597	Sustainable Material for Infrastructural systems
ASIT GHOSH	Measuring Bitumen Consistency: A Journey Through Penetration, Viscosity, And Performance Grades	IEC8644	Sustainable Material for Infrastructural systems
Girish Chandra Gandhi	REVIEW OF NANOMATERIALS IN THE CIVIL ENGINEERING INFRASTRUCTURES	IEC82835	Sustainable Material for Infrastructural systems
Viraj Gupta	Sustainable Materials in Construction: A Path to Green Building	IEC4160	Sustainable Material for Infrastructural systems
Mohammed Shakeebulla Khan	Advancements in Sustainable Concrete Technologies and the Role of Graphene Oxide in Self-Compacting Concrete	IEC38416	Sustainable Material for Infrastructural systems
N.Meenalochani	A review on Seismic performance of Smart structures and bridges with shape memory alloy reinforcements	IEC47603	Sustainable Material for Infrastructural systems
AADHI NARESH	India's Resilient Rock Heritage: A Treasure for Infrastructural Engineering	IEC64434	Sustainable Material for Infrastructural systems
Bubu Mukherjee	Utilization of Construction and Demolition Waste for sustainability	IEC8931	Sustainable Material for Infrastructural systems
Setu Shubham	Overview of using Construction & Demolition waste in hot mix asphalt	IEC43265	Sustainable Material for Infrastructural systems
Malathi NARRA	Traffic Signal Optimization and Synchronization Using PTV Vissim	IEC6554	Transportation Infrastructure
Antariksha Sarkar	The Scenario of Advanced Aviation Manufacturing and Maintenance in India for Deployment throughout the subcontinent: Opportunities, Threats and Strategic Outlook	IEC71570	Transportation Infrastructure
Ayan Kumar Naskar	Can indigenous driving simulators surpass the limits of automated simulation trials?	IEC25991	Transportation Infrastructure
Anshul Agrawal	ERECTION OF TWO STAGE CANTILEVER CONCOURSE AND PLATFORM PIER ARM FOR ELEVATED METRO STATIONS	IEC31743	Transportation Infrastructure
Arnab Sur	Evaluation of Dowel Joints Using Ground Penetrating Rader – A Case Study on a Highway Stretch	IEC1445	Transportation Infrastructure
Pritam Saha	Evaluating the performance of cell-filled concrete pavement using non-destructive testing techniques	IEC1506	Transportation Infrastructure
Subhajit Das	Comparative analysis of Intercalation doped MLG NR-based On-chip Inductor	IEC68259	VLSI
Swastika Saha	Comparative Study on Dye Removal Using Luffa cylindrica Extracted Cellulose using 4 and 10% NaOH	IEC753	Waste management & Pollution abatement
JOYASHREE GOSWAMI	Effectiveness study of Banana Peel Biochar (BPB) towards Adsorption of Fluoride present in the Solution	IEC48857	Waste management & Pollution abatement
Shreya Khan	Preparation of Activated Carbon-Alginate beads for Adsorption of Methylene Blue	IEC77699	Waste management & Pollution abatement
Debojit Sarkar	A Critical Review on Biological Remediation of Per- and Polyfluoroalkyl Substances	IEC9777	Waste management & Pollution abatement
Mousom Roy	Facile Low Temperature Fabrication of B-TiO2 using sol-gel method	IEC72985	Waste management & Pollution abatement
Subhasis Ghosh	Preparation of Activated Biochar doped Polyvinyl Alcohol (PVA) Aerogel and its Application in Wastewater Treatment.	IEC64320	Waste management & Pollution abatement
Sayan Mukherjee	Sustainable Solutions: Efficacy of Catalyst-Induced Co-Pyrolized Jute-PET Char in Congo Red Dye Removal from Wastewater	IEC35362	Waste management & Pollution abatement

NAME OF AUTHOR(S)	EXTENDED ABSTRACT TITLE	PAPER ID	THEME
Ashmita Samanta	Extraction of silica from Sugarcane Bagasse and its application in PVA aerogel preparation for dye removal from water solution	IEC57058	Waste management & Pollution abatement
Poushali Chakraborty	Waste Leaf Biomass To Activated Carbon: A Sustainable Strategy For The Removal Of Cationic Dye From Wastewater	IEC61578	Waste management & Pollution abatement
DIPAYAN ROY	Simulation of Direct Air CO2 Capture & Conversion to chemicals using ASPEN	IEC35627	Waste management & Pollution abatement
Jeetandra Kumar Chaudhary	Just Transition of NTPC Badarpur Power Plant- A Leap towards Sustainable Future	IEC46195	Waste Management and Circular Economy
Dr. Goutam Khankari	A Small-Scale Pilot Project on Vermicompost Enriched with STP Sludge: An Opportunity to Recycle the Organic Waste into Organic Fertilizer	IEC55364	Waste Management and Circular Economy
Dr. Sankar Roy Maulik	Eco-friendly handmade paper from Jute	IEC26914	Waste Management and Circular Economy
Dr. Sankar Roy Maulik	Sustainable textiles through natural dyes – a shift from fast to slow	IEC70372	Waste Management and Circular Economy
Sanchita Biswas Murmu	Packaging box for transport of fruits and vegetables from Jute stick particle board	IEC85694	Waste Management and Circular Economy
Dr. Soumitra Maiti	Cradle-to-Gate Life Cycle Assessment of Perlite Based Composite Plaster Developed with Upcycled Material	IEC55108	Waste Management and Circular Economy
Bibekananda Bibhuti Basu	Waste Managements and Circular Economy	IEC77354	Waste Management and Circular Economy
Dr. Pallavi V Kharat	SMART WASTE MANAGEMENT: A COMMUNITY-DRIVEN REVENUE GENERATION MODEL FOR SMALL TOWNSHIPS	IEC429	Waste Management and Circular Economy