**BEST PAPER AWARDS UNDER TECHNICAL SESSIONS**

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| --- | --- | --- | --- |
| **Technical Session Number** | **Award** | **Paper Id** | **Paper Title** |
| **Technical Session 1** | **1st Best Paper** | **158** | **Food recognition and categorization with yolov8 and yolov9 in inventory management system** |
| **2nd Best Paper** | **144** | **A novel method for hybrid deep learning-based image captioning** |
| **3rd Best Paper** | **29** | **Explainable AI approach to fog prediction** |
| **149** | **BIDIT: A bid evaluation decision support system using machine learning models** |
| **Technical Session 2** | **1st Best Paper** | **211** | **Raga Reverie - A raga-origin detection algorithm and its therapeutic implementations** |
| **2nd Best Paper** | **207** | **Assessing Professional Readiness and Ethical Challenges for AI Integration in Mental Health Services** |
| **169** | **XAI for the interpretation of ensemble learning performance in potable of water: An application of machine intelligence** |
| **3rd Best Paper** | **202** | **Explainable AI based crop recommendation systems for improved yield predictions** |
| **Technical Session 3** | **1st Best Paper** | **155** | **Customer sentiment analysis with K-VADER approach on online reviews** |
| **2nd Best Paper** | **167** | **URL phishing detection with exploratory data analysis for secure customer communication** |
| **3rd Best Paper** | **226** | **Performance analysis of machine learning models in short-term stock predictions on Indian market** |
| **Technical Session 4** | **1st Best Paper** | **295** | **Information extraction from scanned image using model combining convolution neural network and graph attention network** |
| **2nd Best Paper** | **242** | **A comparative analysis of fraud detection in financial transactions through leveraging information gain and diverse machine learning techniques** |
| **3rd Best Paper** | **266** | **Vocal Aura: Merging human expression with AI-enhanced voice synthesis for creativity** |
| **Technical Session 5** | **1st Best Paper** | **160** | **Enhancement of dust and shading level classification of solar panel using multi agent-based hybrid machine learning** |
| **2nd Best Paper** | **9** | **Blockchain-enhanced CMS: Securing static content against digital crime** |
| **159** | **THD and power loss minimization of ANPC and SC-based 3-phase interleaved five-level symmetric inverter using SVPWM** |
| **3rd Best Paper** | **93** | **Improving financial inclusion through blockchain-based smart contracts in Ghana's rural microcredit institutions** |
| **Technical Session 6** | **1st Best Paper** | **253** | **RealEstateBlock: A real estate application using blockchain** |
| **237** | **Maternal health risk classification using machine learning model** |
| **2nd Best Paper** | **247** | **Optimum selection of natural fiber-polymer composites for sustainable practices based on probability technique and euclidean distance function** |
| **194** | **Tanimoto Pythagorean Fuzzy TODIM Approach for Supplier Selection Problems: A Business Intelligence Perspective** |
| **3rd Best Paper** | **244** | **Comparative Study of Hybrid Optimization Techniques on WEDM Responses** |
| **Technical Session 7** | **1st Best Paper** | **323** | **Analyzing key challenges in eco-tourism supply chain** |
| **2nd Best Paper** | **153** | **An automatic skin cancer identification method with incorporation of deep learning approach** |
| **3rd Best Paper** | **161** | **Code Sight: Automated Python-to-Braille transformation with OCR for inclusive access** |
| **Technical Session 8** | **1st Best Paper** | **179** | **Revolutionizing agriculture: Multipurpose agricultural rover (MAR)** |
| **329** | **Multi-Criteria Evaluation of Arc Welding Robots: An integrated CODAS-MEREC Model** |
| **2nd Best Paper** | **260** | **A hybrid fuzzy AHP-VIKOR framework for systematic evaluation and ranking of metaverse applications** |
| **343** | **Selection of suitable material for automotive bumper using entropy-based CoCoSo method** |
| **3rd Best Paper** | **148** | **Impact of the metaverse on higher education enabling sustainable development** |
| **Technical Session 9** | **1st Best Paper** | **214** | **Development of multilayer IoT enables Intrusion detection System for Physical objects** |
| **338** | **Strategic Evaluation of Sustainable Communication Technologies: A Fuzzy Additive Weights and Interval-based Ranking Framework** |
| **2nd Best Paper** | **111** | **Performance Analysis of Induction Motor Fed by PWM Using Continuous Wavelet Transform (CWT)** |
| **3rd Best Paper** | **214** | **Development of multilayer IoT enables Intrusion detection System for Physical objects** |
| **220** | **Design and Simulation of Switched-Capacitor Based Tunable Active Filters for Application in Neonatal Electrocardiogram** |
| **Technical Session 10** | **1st Best Paper** | **224** | **Bridging tradition and innovation: Evaluating Industry 4.0 readiness in the coir industry using AHP** |
| **2nd Best Paper** | **99** | **Analyzing vulnerabilities: implementing DEMATEL for robust defense supply chain design** |
| **3rd Best Paper** | **116** | **Study of challenges faced by women agri- entrepreneurs towards sustainable supply chain management: An ISM approach** |