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Editorial Comments: JCMM Volume 2 Issue 6

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This issue of the *Journal of Computers, Mechanical and Management* (JCMM) showcases six articles spanning traffic noise modeling, sentiment analysis, breast cancer detection, fundus image generation, masonry repair materials, and RFID technology in shopping carts. This issue showcases selected and extended versions of exceptional research papers originally presented at the International Conference on Smart and AI-enabled Technology for Sustainable Development (SAIT for SD 2023), held on September 12-13, 2023. The conference brought together scholars, researchers, and experts from diverse fields to discuss and explore the latest advancements in technology and their applications for sustainable development. The research papers included in this volume reflect a rich diversity of topics, ranging from cutting-edge developments in computer science to innovative solutions in core engineering fields and strategic management. Each paper demonstrates a commitment to advancing knowledge and promoting sustainable practices..

The first article, Traffic Noise Prediction for Delhi-NCR Using Multiple Regression Modelling Approach by Mann and Singh, investigates traffic noise pollution in Delhi. The authors developed a regression model using data from 31 locations to identify significant variables such as road geometry, traffic volume, and environmental factors affecting noise levels. The model achieved a coefficient of determination, R^2, of 0.75, indicating a robust predictive capability [1].

Saggu, Pal, and Dev contribute with Bond Strength of Substrate With Repair Material for Masonry Structures, which presents a scientometric analysis of masonry repair materials. Using CiteSpace, they identified research trends and gaps in the durability and compatibility of repair materials with historic masonry [2].

In Enhanced Shopping Experiences: The Role of RFID Technology in Smart Carts, Datta et al. explore the application of RFID technology to improve retail experiences. They designed a smart cart system that automatically calculates costs, streamlining the checkout process in supermarkets [3].

Jain and Singla's Breast Cancer Detection using Machine Learning Algorithms evaluates various ML algorithms, including SVM and Decision Trees, for classifying breast cancer data. The study highlights the efficiency of ML methods in enhancing diagnostic accuracy, with SVM emerging as the most effective [4].

Sentiment Analysis on IMDB Review Dataset by Singh and Singla employs deep learning models such as BiLSTM to analyze movie reviews. This research underscores the potential of BiLSTM in achieving high accuracy in sentiment classification tasks [5]. Finally, Kapoor and Arora present Fundus Image Generation using EyeGAN, which proposes an enhanced GAN model for medical image augmentation. Their EyeGAN model generated synthetic fundus images, improving dataset balance for retinal disease detection [6].

This issue exemplifies JCMM's commitment to publishing high-quality research that contributes to technological advancements and interdisciplinary applications.

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