

Message from the Editor-in-Chief

Dear Readers, Authors, and Reviewers,

As we celebrate the launch of our first issue, I want to express my heartfelt gratitude for your ongoing support and engagement with our journal. Your interest and support drives us to pursue excellence.

This inaugural issue features five contributed papers, including a review of rule-based chatbot design methodologies that evaluate various approaches along with their pros and cons [1]. One study focuses on Injera [2], a flatbread at risk of adulteration, which threatens health and cultural identity. It employs a hybrid machine-learning approach to classify Injera mixtures, achieving up to 98% accuracy using Support Vector Machine and Random Forest techniques. Another paper aims to enhance ICU services in Ethiopia by reducing patient mortality linked to preexisting conditions and resource limitations [3]. Analyzing data from five hospitals, it identifies key mortality predictors, with Random Forest achieving 99.7% accuracy, providing recommendations for healthcare practitioners and policymakers. The third paper presents a 121-cell aperture antenna system for a High-Altitude Platform (HAP) communication network at 17 km, utilizing TV White Space for a 100 km coverage radius [4]. It analyzes how antenna aperture affects co-channel interference and key parameters like Carrier-to-Interference Ratio (CIR), highlighting the need to reduce side lobe levels for improved wireless broadband performance. Lastly, smart travel aid for visually impaired individuals enhances traditional canes with ultrasonic sensors and infrared technology is presented in the fourth paper [5]. The microcontroller detects obstacles, activating alerts, while an emergency button sends SMS notifications via a GSM module, improving navigation and safety.

I extend special thanks to our authors for their innovative contributions to knowledge in the field. Your dedication to research is truly inspiring. I also sincerely appreciate our reviewers. Your expertise and thoughtful feedback are invaluable in upholding the quality of our publications. Thank you for your time and effort in this essential process. Together, we are fostering a vibrant community of knowledge and discovery. We look forward to sharing more insightful content in the future!

Warm regards,

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References

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II REFERENCES

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