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FOREWARD

By the grace of Allah, it is a great pleasure to introduce this issue of: **The International Journal on Islamic Applications in Computer Science and Technology**

During the 12th year of the publication of this Journal, this issue is the 47th of this journal. We thank Allah for enabling us to continue all through these years. With the wide specialization of this Journal, it attracted contributions from researchers from all over the world. We pray to Allah to put his "Baraka" in the contents of the Journal and spread the fruits of its contents in the future.

This issue contains three papers. The first one is entitled: **Survey of Semantic Islamic Search Systems**

It is clear from the literature that works in semantic search in English are significantly developed compared to Arabic. This paper will highlight the search models focusing on the semantic approaches that leverage the ontology as a knowledge resource. Then, it will narrow the scope to explore the existing Islamic semantic search models to address their limitations and point to possible future directions. As a result of this survey, a severe deficiency is noticed in the available resources that interlink varied Islamic sources, such as Quraan and Hadith, and the tools that extract domain-specific concepts. Thus, in the future, a researcher should focus on filling this gap and introducing a public gold standard resource to cover Islamic topics comprehensively for developing Islamic NLP research.

The second paper is entitled: **A Multilingual Audio Computer Application for Learning Muslim Prayer for Individuals with Visual Impairments**

This research aims to assist individuals with visual impairments in learning and performing Muslim prayer through a computer application designed to offer guidance in multiple languages, including Arabic, Kurdish, English, and Turkish. The proposed application provides audio-based instructions in these languages, ensuring accessibility while maintaining the recitation of the Holy Qur'an in Arabic during prayer. The application features a user-friendly interface, making it easy for users to navigate and engage with the learning process. In addition to teaching prayer, the app also includes guidance on performing Alwudu' (the ablution ritual before prayer) and offers prayer time reminders. The application is designed for further enhancement by adding more languages in the future. The application expanded its accessibility and usability especially when it is integrated with artificial intelligence applications.

The third paper is entitled: **A Review of Artificial Intelligence Techniques for Combating Fake News on Social Media**

This review explores recent advancements in AI techniques for identifying fake news and examining the methodologies, findings, and implications of these technologies. We highlight key trends from 2013 to 2024, discussing the effectiveness, limitations, and ethical considerations of AI applications in this domain. By synthesizing current research, this paper aims to provide a comprehensive understanding of AI's role in addressing misinformation and propose future directions for improving detection systems.

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