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Design And Development of an Augmented Reality Module For Learning Arabic Collocations

By

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Source	<div>IJAZ ARABI JOURNAL OF ARABIC LEARNING</div> <div><div>←</div>View Journal Impact</div> <div>Volume: 8 Issue: 3 Page: 1170-1181</div> <div>DOI: 10.18860/ijazarabi.V8i3.32514</div>
Published	OCT 2025
Indexed	2025-11-26
Document Type	Article
Abstract	<p>This study investigates an instructional module's design, development, and effectiveness for learning Arabic collocations using Augmented Reality (AR) technology. A needs analysis was conducted to identify students' challenges with Arabic collocations and their preferred learning strategies. Based on these insights, the module was designed using the ADDIE Model, integrating multimedia elements such as text, images, audio, animations, video, and 2D/3D models to improve engagement and comprehension. The AR-based module, AR Collocation, was implemented among 30 advanced learners at the International Islamic University Malaysia (IIUM). Data were collected through interviews, questionnaires, and student feedback, focusing on usability and learning outcomes. The results showed that the AR module significantly enhanced students' understanding of Arabic collocations, with a mean score of 4.3 ($p < 0.05$). Students also rated the readability of fonts and the multimedia components highly (mean values: 4.73 and 4.87), expressing overall satisfaction with the interactive features. This study concludes that AR-based instructional modules can improve Arabic language</p>

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