

ABSTRACT

DESIGNING AN INFORMATION SYSTEM TO IMPROVE ACCESS TO COURSE MATERIALS FOR HIGH SCHOOL STUDENTS IN YEMEN

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Access to course materials is a critical aspect of quality education and academic success for high school students. However, in conflict-affected regions like Yemen, students face significant challenges in accessing these materials, resulting in limited learning opportunities and hindered academic progress. This research aims to address this issue by designing and evaluating the effectiveness of the Iqrakafa system, an information system specifically developed to enhance access to course materials for high school students in Yemen.

The research problem focuses on the limited availability of course materials in conflict-affected regions, which negatively impacts students' learning outcomes. The objectives of the study include designing and developing the Iqrakafa system and evaluating its impact on improving access to course materials for Yemeni high school students. The study adopts a user-centered design approach, incorporating usability testing and feedback gathering from student participants. The data collected is analyzed using descriptive statistics.

The research findings demonstrate that the Iqrakafa system effectively enhances access to course materials for high school students in Yemen. The system provides a centralized platform with a wide range of course materials, enabling students to overcome barriers to education and improve their understanding of subjects. The usability testing results indicate positive user experiences and satisfaction with the system.

Keywords: *Educational technology, course materials accessibility, high school students, information systems, learning outcomes*