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CONTEXTUALIZED DIGITAL TOOLS AND EBOOKS FOR REMEDIAL DRILLS TO ENHANCE PRACTICAL SKILLS FOR TECHNICAL VOCATIONAL LIVELIHOOD ELECTRICAL INSTALLATION AND MAINTENANCE (TVL-EIM) STUDENTS

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ABSTRACT

This research explores the development and implementation of contextualized digital tools and eBooks tailored for remedial drills aimed at enhancing practical skills among Technical Vocational Livelihood - Electrical Installation and Maintenance (TVL-EIM) students.

Moreover, recognizing the gap between theoretical knowledge and hands-on expertise, the research focuses on creating interactive and immersive learning materials that align with industry standards and real-world applications. By integrating multimedia resources, simulations, and assessment modules, the digital tools and eBooks provide a comprehensive platform for students to reinforce their understanding and improve their technical proficiency.

Furthermore, the preliminary results indicate a significant improvement in students' practical skills, engagement, and confidence, suggesting that these innovative educational resources can effectively bridge the skills gap in TVL-EIM programs. This approach offers a promising avenue for enhancing vocational education and ensuring students are better prepared for the demands of the electrical installation and maintenance industry.

Keywords: Contextualized, Digital Tools, eBooks, Multimedia, Simulations

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