UNIVERSITI TEKNOLOGI MARA

DESIGN AND FABRICATION OF AUTOMATIC WHITEBOARD CLEANER

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ABSTRACT

An automatic whiteboard cleaner is a device designed to clean and maintain whiteboards in an effortless and efficient manner. It is a handy tool that can save time and effort, particularly in environments where whiteboards are frequently used, such as classrooms, offices, or meeting rooms. The current process of manually cleaning whiteboards is time-consuming, inefficient, and often results in incomplete erasing of the markings. While there are existing automated cleaning systems for various surfaces, a specific focus on whiteboard cleaning in educational settings is relatively scarce. Existing solutions often lack integration with classroom structures, limiting their practicality and adoption in real-world scenarios. There is a need for an automatic whiteboard cleaner that can efficiently and thoroughly clean whiteboards, saving time and effort for users while ensuring a clean and blank surface for new content. The proposed Automatic Whiteboard Cleaner presents a significant contribution to the field of education technology. By automating the whiteboard cleaning process, it optimizes classroom management, saves valuable instructional time, and provides a more consistent learning environment. In conclusion, automatic whiteboard cleaners offer a convenient and efficient solution for maintaining clean whiteboard surfaces. These devices are designed to remove dry erase marker residue, smudges, and stains, saving time and effort for users. Future research on Automatic whiteboard cleaner can explore additional features, such as integration with smart classroom systems and self-diagnostic capabilities.

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