Design & Implementation of an Automated Medicine Reminder for Old People in Hospitals Using Arduino

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Abstract: *Elderly patients frequently face challenges with memory, often forgetting to take their medications on time. In a hospital setting, where multiple patients require round-the-clock attention, the risk of missed or delayed medication can lead to serious health consequences. This paper introduces a low-cost, Arduino-based automated medicine reminder system designed to assist hospital staff and elderly patients. The system triggers visual and auditory alerts at predefined times, significantly reducing human error in medicine administration. The device is stand-alone, eliminating the need for internet connectivity and making it highly reliable for institutional use.*

Keywords: Arduino, Medicine Reminder, Elderly Patients, Automation, Healthcare, Hospital Assistance