

Smart Medicine Box

Vaishnavi Sunil Karanjkar¹, Rutuja Sachin Phadol², Asmita Shashikant Deore³

Himanshu Subhash Chaudhari⁴, Prof. Hansa S Borse⁵

Students, Department of AIDS^{1,2,3,4}

Guide, Department of AIDS⁵

PVG's College of Engineering, Nashik, Maharashtra, India

Abstract: *Introducing a revolutionary solution to combat the widespread problem of medication forgetfulness, especially prevalent among individuals of all ages, notably impacting seniors grappling with memory challenges. This innovative smart medicine box is meticulously designed to offer a compact and cost-effective remedy. Boasting a user-friendly knob interface, users or caregivers can effortlessly set medication timings, thereby activating a timely alarm alert. Whether the medication is essential for medical conditions, cosmetic enhancements, or supplemental needs, this ingenious device serves as an unwavering ally, fostering consistent adherence to prescribed regimens amidst the chaos of modern-day lifestyles. It is made by using the Raspberry pi 3 along with the servo motors, 16*2 LCD display and LEDs related to the output indication of the process.*

Keywords: Raspberry pi 3, Servo motor, LCD, LED