IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.53
Volume 4, Issue 5, May 2024

Smart Medicine Remainder Box for Elderly People with IoT

Ms. Aruna[1], Ms. S Deekshitha[2], Ms. Padmavathi K[3]
Student, Department of CSE[1,2,3]
Ballari Institute of Technology and Management, Ballari, India

Abstract: *This project focuses on developing a Smart Medicine Reminder Box for elderly people, leveraging IoT technology to enhance medication adherence. The system utilizes an Arduino AT Mega microcontroller to gather data from various sensors. An IR sensor is employed to detect the presence of medicine in the compartments, ensuring accurate monitoring of medicine intake. To provide timely reminders, a Real-Time Clock (RTC) module is integrated, triggering a buzzer alert when it is time for medication. The ESP8266 Wi-Fi module connects to the Blynk platform, sending alert notifications to caregivers or family members via a smartphone app. Additionally, a GSM module is included to make call alerts, ensuring critical reminders are not missed. This multi-faceted alert system is designed to support elderly individuals in maintaining their medication schedules, thereby improving health outcomes, and reducing the risk of missed doses*

Keywords: Smart Medicine Reminder Box, IoT, Arduino AT Mega, ESP8266, Blynk, GSM module, RTC module, IR sensor, elderly care, medication adherence, alert notifications