Smart Garden System

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Abstract: *This project is a smart garden system which is specially made with understanding of the health care for the patients. Though the health care society is slow in adopting IoT (Internet of Things) than other fields, IoT in the field of medicine is destined to keep the people safe and healthy where the main purpose is to decrease the cost of health care in the coming years. A smart IoT based healthcare system has been proposed here, which contains an intelligence medicine box associated with sensors for regular health monitoring. This smart medicine box with wireless internet connectivity helps the patients to get regular health care and create easy communication between doctor and patient without meeting physically. The proposed medicine box helps the patient to take the right medicine at the right time along with a notification which will help the patient to take the medicine. A smartphone is used to send command to operate the box using the Node MCU and a firebase cloud base system where detailed information about patient are stored along with the medicinal prescription.*

The system stores the patient's personal details and medicine data in the app, and the Node MCU is programmed using Embedded C language. This project has the potential to revolutionize the way patients manage their medication and improve medication adherence, leading to better health outcomes..

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