

ABSTRACT

The rural areas of India heavily rely on Government Health Dispensaries to provide healthcare infrastructure. The efficiency of these dispensaries is determined by the speed at which they can handle patients. To aid officials in this task, an E Health-Care Portal has been introduced that helps manage patient data and inventory.

This software provides a centralized database where health dispensary data, OPD visits, and inventory can be efficiently stored, manipulated, and handled. The portal enables officials to manage all patient visit details such as symptoms, doctor's prescriptions, notes, and report history. Additionally, a centralized database has been established to store data related to the residents of the respective villages. This database is divided into three layers - Villages, Houses, and Persons. The village layer contains details related to the villages, the house layer contains data related to every individual house or family in the villages, and the person layer stores all the data related to each individual person.

The E Health-Care Portal also includes an inventory management system for the dispensary, which is divided into four major categories - Medicines, Disposables, Stationary, and Miscellaneous. This system allows officials to manage all the items currently available with the dispensary. Overall, the E Health-Care Portal is a comprehensive tool that makes it easier for health dispensary officials to manage patient data and inventory, ultimately improving the efficiency and usefulness of rural healthcare infrastructure in India.