TOPIC :E-Vaccine Management System

Submitted by

Merin Joseph

RMCA B

# ABSTRACT

Topic: E-Vaccine Management System

Young children are at increased risk for infectious diseases because their immune systems have not yet built up the necessary defenses to fight serious infections and diseases. As a result, diseases like whooping cough or pneumonia disease can be very serious and even deadly for infants and young children. Vaccinations start early in life to protect children before they are exposed to these diseases. The proposed system of E-Vaccination system provides proper schedule of children’s vaccine time interval for the parents. Parents can search for nearby hospital and make a schedule. Admin will manage the child and vaccination report and approval of the appointment. Hospital will update the status of the vaccination applied for child.

Users of the system

* Admin
* User(parent)
* Hospital
* Asha worker

Admin-functionalities

* View all child profile details
* Add upcoming Date of vaccination for children.
* View Report of Child Vaccination (Date wise report)
* Make List of vaccine
  + available or unavailable Vaccines
* Admin can view the availability of the vaccination.
* Approve or Reject Request from parents
  + Once the request for an appointment made from parent side, it will be approved by the admin
* View details of Asha Worker
* Add Hospital
  + Admin can add the hospital details
* Update/Delete Hospital
  + Admin can update or delete the hospital details
* List of hospitals
  + Admin can view the hospital details
* Booking Details
  + Admin can view the booking details from parent side for booking vaccination

User(parent)-Functionalities

* Register & Login
  + Can register and login into the website and request for vaccination provided per monthly/half-yearly schedules.
* Add Details of child
  + Update and maintain the child details of vaccination
* View the details of upcoming vaccinations.
* Book Hospital
  + Use can search the list of hospital and book schedule for the vaccine dates
* Report of vaccination taken

Can get the report status of previous vaccination of their respective Infants.

Hospital-Functionalities

* Register & Login
  + Can register and login into the app with hospital name, address and location details.
* Update Vaccine status
  + Hospital will receive the appointment once its booked from admin side. If vaccination is completed they will update the status to Vaccinated or not.

Asha Worker-Functionalities

* Register & login
* View child details based on the location
* View vaccination report

Existing System

In the existing system, Vaccines are provided for infants and children under teenage by various aspects such as by attending school manually and there is a chance that some of the children and infants may miss the opportunity of getting vaccinated due to some mandatory reasons. Which leads to loss of life or gets affected by various diseases such as polio etc. This is a time delay process to wait for each and every one all over the places.

Proposed System

We can change this manual system into e-vaccination system by collecting the information of infants, registered under website so that those who didn’t took vaccination can avail one more opportunity to save the life of their children . By this system a lot of man-hours can be saved and it is efficient too. Parents can search and find the hospital and book online.

Technologies used

Front end: Html, Java Script, CSS, Bootstrap.

Back end:Python ,Django.