

IMMUNODRIVE

Expanding access to immunization is crucial to achieving the Sustainable Development Goals



Team Sambhav

Samagic Hackathon 2022

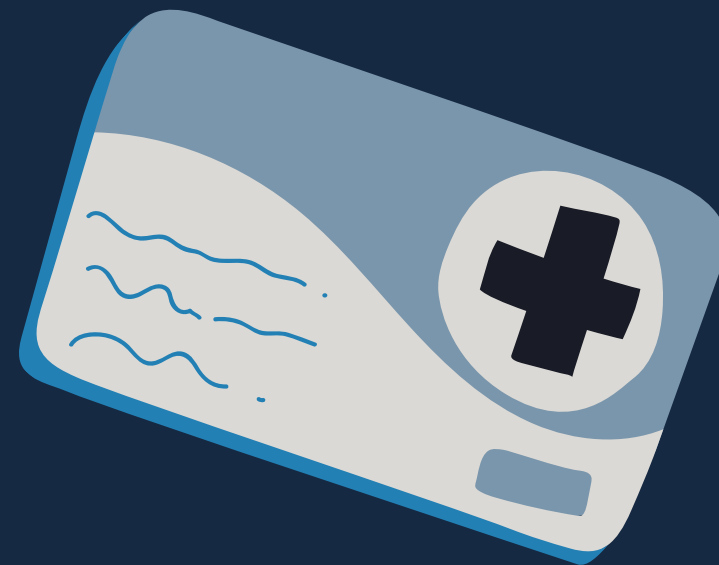
PROBLEM STATEMENT

Novel approach to resolve
under vaccination/non vaccination of children
&
aid in prevention of life-threatening diseases

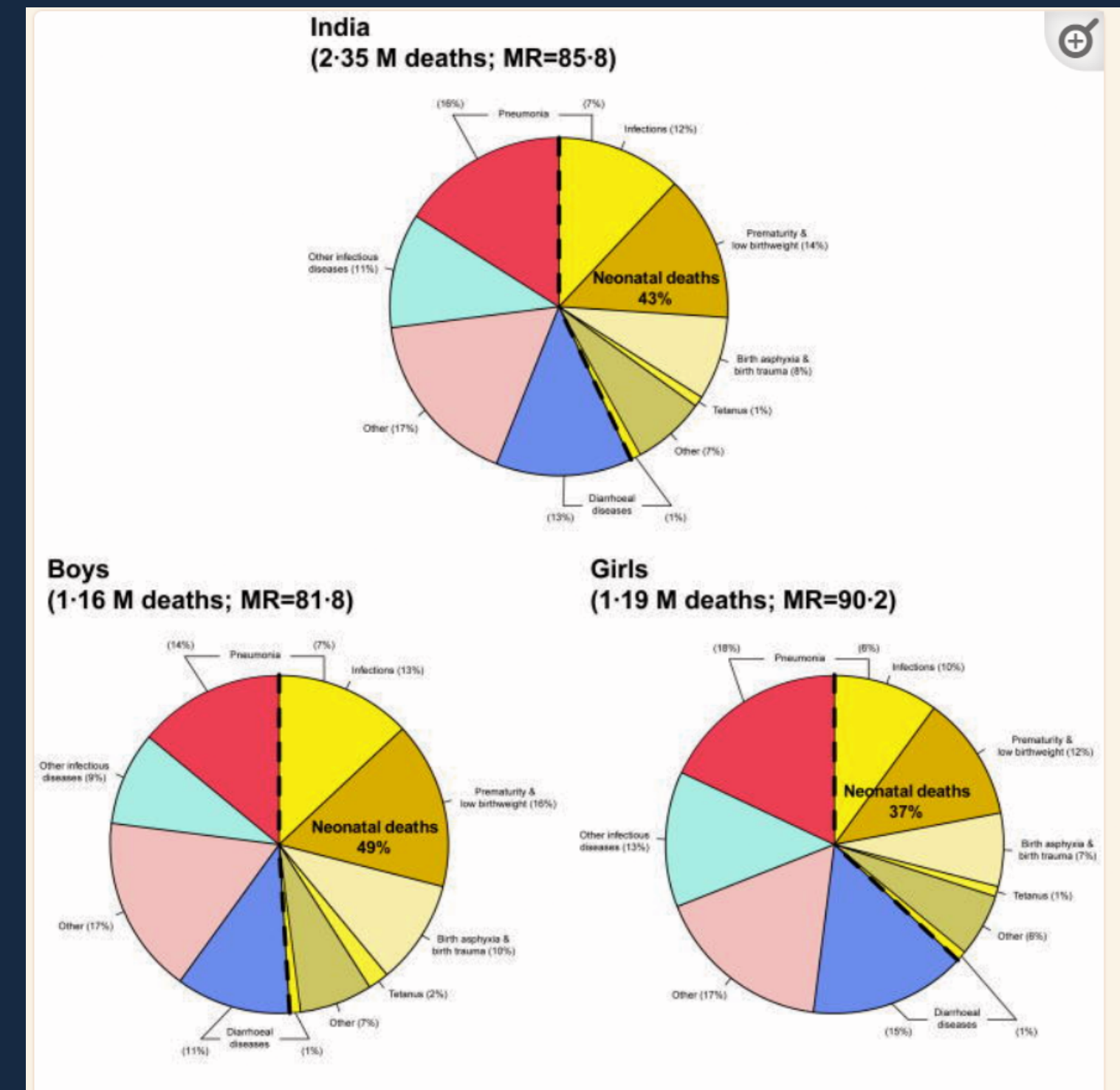
- Immunization is key to child survival. Missing Routine Immunization (RI) can be life-threatening for infants.
- Immunization is one of the most effective and cost-effective ways to protect children's lives and futures but people fail to get their children vaccinated on time.
- Only 65 per cent of children in India receive full immunization during the first year of their life.



- Two causes accounted for 50% (0.67 M/1.34 M) of all deaths at ages 1-59 months: pneumonia (0.37 M; 99%CI 0.35-0.39 M) and diarrhoeal diseases (0.30 M; 99%CI 0.28-0.32 M). At these ages, girls in Central India had a five times higher mortality rate (per 1000 live births) from pneumonia (20.9) compared to boys in South India (4.1) and had four times higher the diarrhoeal disease mortality rate (17.7) compared to boys in the West (4.1). Pneumonia and diarrhoea accounted for about two-thirds (0.1 M/0.15 M) of the excess girl deaths at ages 1-59 months.



- It is vital to spread awareness about the importance of immunization and ensure that parents and caregivers have the requisite information about the immunization cycle. They should know when and where to bring their children for vaccination, the duration between the doses and the importance of not missing a visit.



- Immunization directly impacts health (SDGs) and brings a contribution to 14 out of the 17 Sustainable Development Goals (SDGs), such as ending poverty, reducing hunger, and reducing inequalities. Therefore, immunization is recognized to play a central role in reaching the SDGs, especially in low- and middle-income countries.
- In general terms, it can be concluded that relevant future research requires
 - design for system resilience
 - connecting interventions in immunization with SDG outcomes
 - designing interventions and their implementation
 - offering tailored solutions
 - model coordination and integration of services and partnerships.



- The research and health community is called upon to join forces to activate existing knowledge, generate new insights and develop decision-supporting tools for Low-and Middle-Income Countries' health authorities and communities to leverage immunization in its transformational role toward successfully meeting the SDGs.



OBJECTIVE

To create a website that notifies people when and where to take their children to get vaccinated via message or an automated call so that they don't miss to provide what's necessary for their children's good health.



The screenshot shows the homepage of the ImmunoDrive India website. The header is dark blue with the site name 'ImmunoDrive India' on the left and navigation links (ABOUT US, AWARENESS, RESOURCES, PARTNERS, CONTACT, LOGIN) and a 'NEW REGISTRATION' button on the right. The main banner features a black and white photo of a group of smiling children. Overlaid on this is the text: 'Novel Approach to resolve under vaccination/non-vaccination of children and aid in prevention of Life-threatening diseases'. To the right of the text is a graphic of the Indian map with a flag and a crowd of people. In the top right corner of the banner is the '75 आज़ादी का अमृत महोत्सव' logo. The footer is teal and contains two statistics: 'TOTAL VACCINATION DOSES 2 11 40 41 738' and 'VACCINATIONS DONE TODAY 81 817', with a 'VIEW MORE' button between them.

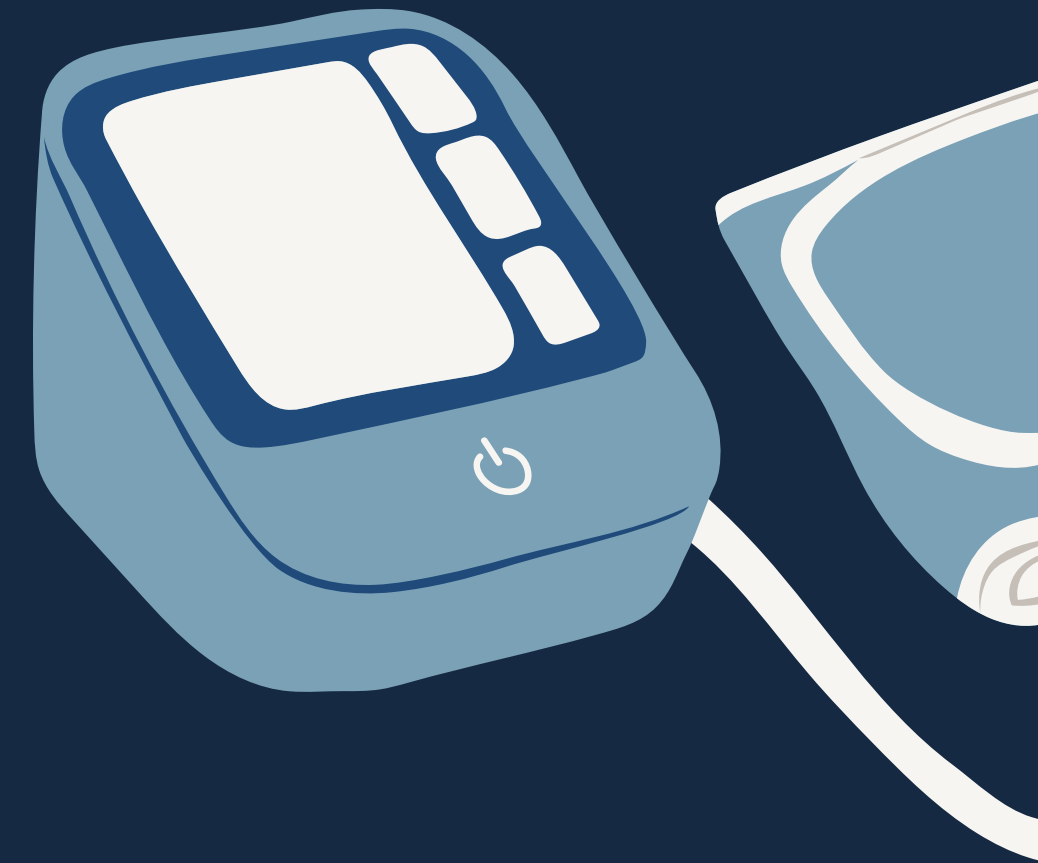
Motivation

This project mainly focuses on notifying people about the periodic immunity doses that their children must get in early stages or at certain ages.

The number of mobile user in india as per 2020 stats is approx. 1.2 million out of which 741 million users have a smartphone with internet access.

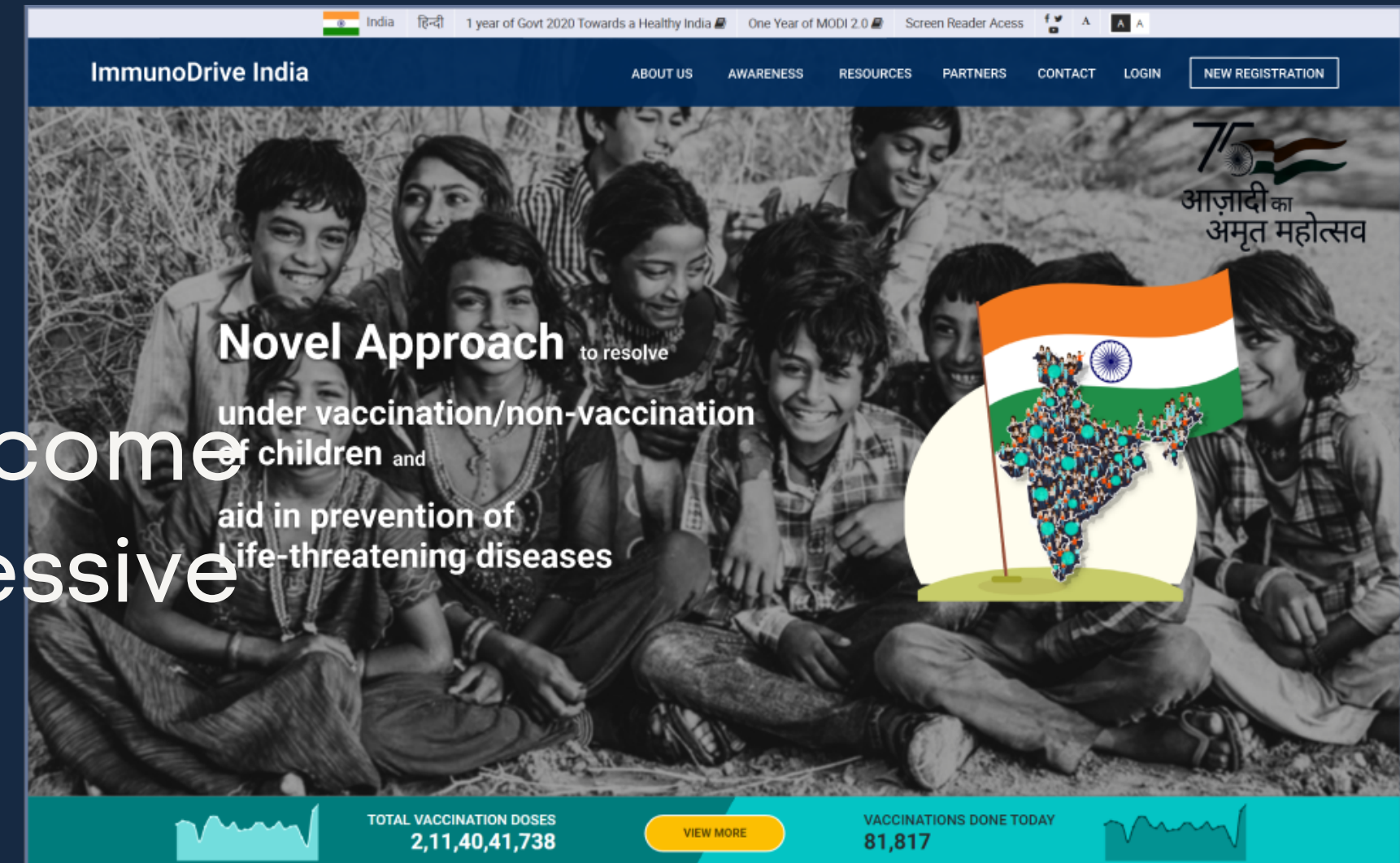
People will be updated with the timeline of the vaccination so that they can get their children vaccinated on time and also get notified about their next vaccination via message and automated call so that they never miss the notification.

Also people get the location of the nearest vaccine centre where the doses are available.



Our Solution

For our problem statement we have come up with a solution in a form of progressive web application.
Here





FILL DETAILS IN BLOCK LETTERS ONLY

Basic Details

Father's Name	<input type="text"/>	Permanent Address	<input type="text"/>
Father's Mobile	<input type="text"/>	Present Address	<input type="text"/> <input type="checkbox"/> Same as permanent address
Mother's Name	<input type="text"/>	City	<input type="text"/>
Mother's Mobile	<input type="text"/>	State	<input type="text"/>
Telephone	<input type="text"/>	Pincode	<input type="text"/>

Child Details

Child's Name	<input type="text"/>	Gender	<input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Others
Age	<input type="text"/>	Blood Group	<input type="text"/>
Weight	<input type="text"/>		
Date of Birth	<input type="text"/>		
Place of Birth	<input type="text"/>		

Document Details


Father Aadhar No.	<input type="text"/>	BPL Card Number	<input type="text"/>
Mother Aadhar No.	<input type="text"/>	APL Card Number	<input type="text"/>
Child Aadhar No.	<input type="text"/>	Income Certificate No.	<input type="text"/>
Hospital Name and Address	<input type="text"/>		
Hospital Registration No.	<input type="text"/>		

Other Details

Father Email ID	<input type="text"/>
Mother Email ID	<input type="text"/>
Child Email ID	<input type="text"/>
Alternate Mobile Number	<input type="text"/>

SUBMIT



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munoDrive India

ABOUT US

AWARENESS

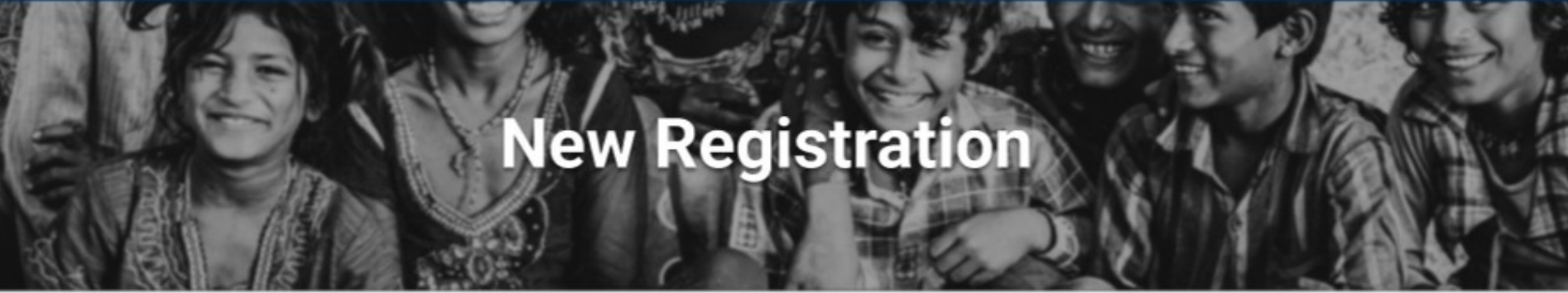
RESOURCES

PARTNERS

CONTACT

LOGIN

NEW REGISTRATION

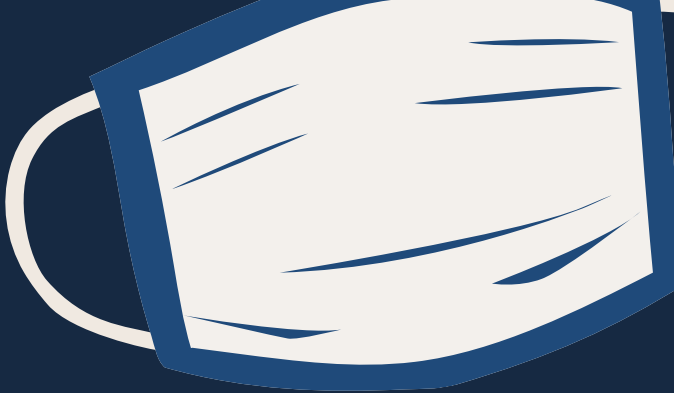



New Registration

Registration Successful

Check your email/mobile for Username and Password

RETURN TO HOME



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ImmunoDrive India

ABOUT US

AWARENESS


RESOURCES

PARTNERS

CONTACT

LOGIN

NEW REGISTRATION



Portal Login

Username

Password


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Play validation audio

Refresh validation image

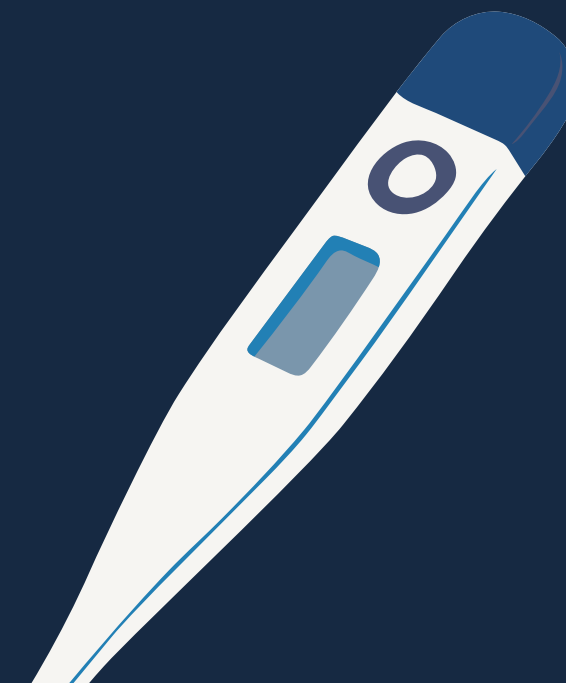
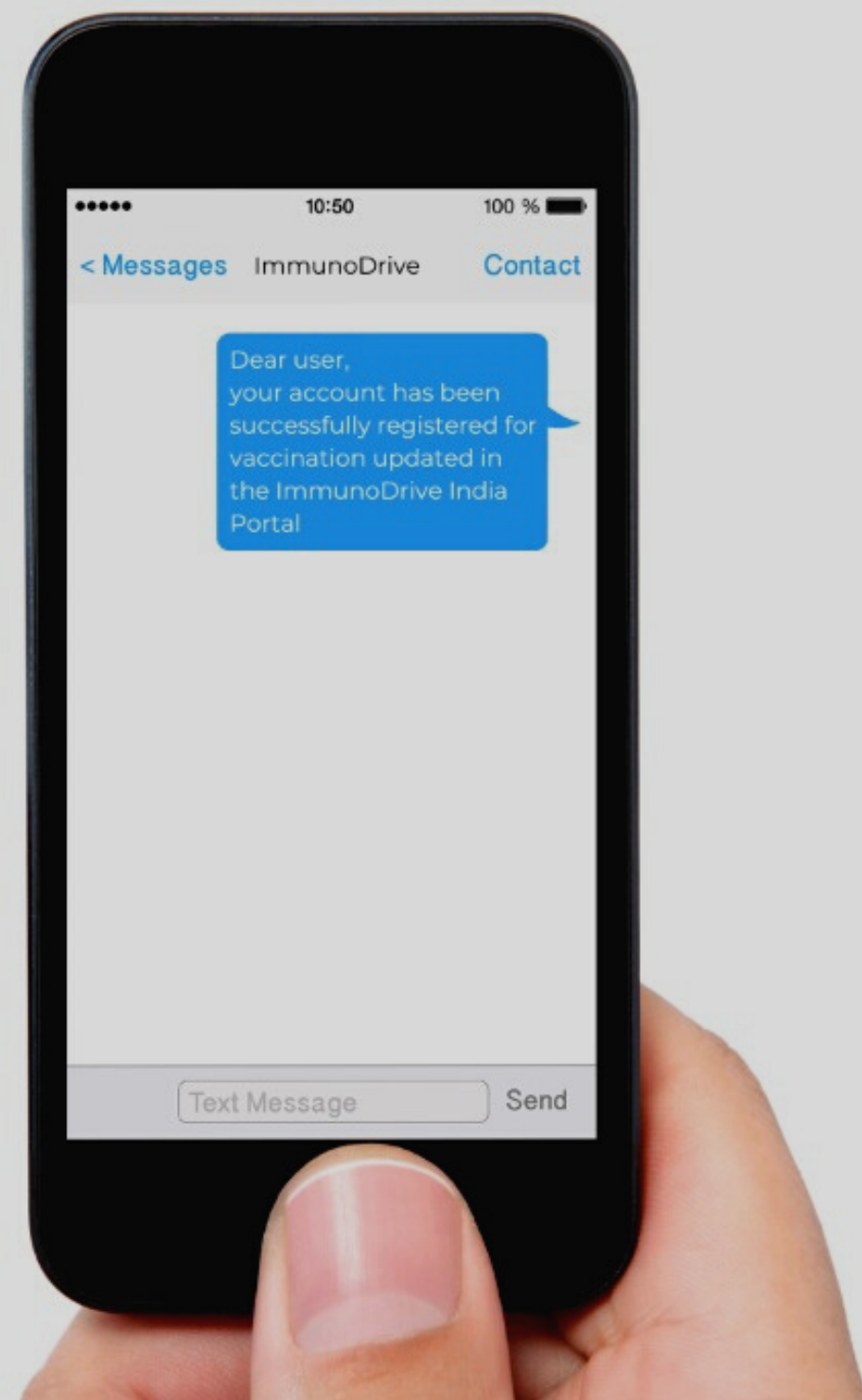
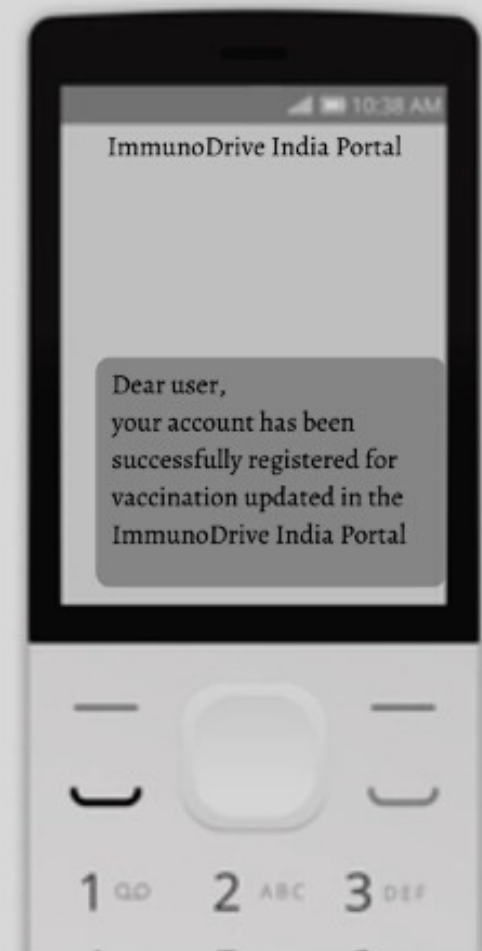
Image Text

LOGIN

ImmunoDrive IndiaWeb Information manager



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THANK YOU

TEAM SAMBHAV

- SARTHAK S KUMAR
- SATYAM KUMAR
- SATHISH KUMAR G