

Asha Diary

An Engineering Project in Community Service

Phase – I Report

Submitted by

Team 32

20BAI10088 Shrimohan Tripathi

20BAI10107 Adeeba Rashid

20BAI10201 Trisha Banerjee

20BAI10242 Nehal Jain

20BOE10082 Gayatri Sivaraman

20BCE10733 Anup Kumar

20BCE10631 Sanskriti Gupta

20MIM10042 Vaibhav Gandhi

in partial fulfillment of the requirements for the degree of

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Bhopal
Madhya Pradesh

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Certified that this project report titled “**Asha Diary**” is the Bonafide work of “20BAI10088 Shrimohan Tripathi, 20BAI10107 Adeeba Rashid, 20BAI10201 Trisha Banerjee, 20BAI10242 Nehal Jain, 20BOE10082 Gayatri Sivaraman, 20BCE10733 Anup Kumar, 20BCE10631 Sanskriti Gupta, 20MIM10042 Vaibhav Gandhi” who carried out the project work under my supervision.

This project report (Phase I) is submitted for the Project Viva-Voce examination held on 29-Dec-2022

Supervisor

1. INTRODUCTION

1.1 Motivation

According to the research done on this topic, we estimated that something is going wrong in this technological world. We found that ASHA workers were working with pen and paper that is “File System” which is drastically tedious to work with. So, we planned to design an application for ASHA workers which will eventually help them to complete their survey, reminders for vaccinations with numerous other benefits. Asha workers, also known as Accredited Social Health Activists, are community health workers in India who are trained to provide basic healthcare services at the grassroots level. Asha workers play a vital role in providing access to healthcare for underserved communities, particularly in rural areas.

There are many reasons why an app for Asha workers could be valuable and beneficial. Some potential motivations for creating an app for Asha workers could include:

Enhancing training and education: An app could provide Asha workers with access to training materials and resources, helping them to stay up to date on the latest best practices and protocols.

Facilitating data collection and reporting: An app could be used to streamline data collection and reporting processes, making it easier for Asha workers to track and record the health status of their patients and communities.

Providing support and resources: An app could be used to provide Asha workers with access to resources and support, such as guidelines and protocols for specific health conditions, drug information, and referral protocols.

Overall, an app for Asha workers could help to improve the quality and effectiveness of healthcare services provided at the community level, ultimately leading to better health outcomes for underserved populations.

1.2 Objective

We are trying to support ASHA staff in getting the details of the infants and to monitor the growth of babies. Hence, we designed an app which frequently reminds about children's vaccination schedule with several other things.

Short Term Goal: Making VHIR (Village health Index Register), feeding of data in ASHA workers device for easy updation and retrieval of data.

Long Term Goal: Making register work online for centralized purpose.

2 Existing Work / Literature Review

- ASHA would be a promoter of good health practices and will provide a minimum package of curative care as appropriate and feasible for that level and make timely referrals.
- ASHA will provide information to the community on determinants of health such as nutrition, basic sanitation, timely vaccination doses & hygienic practices, healthy living and working conditions, information on existing health services.
- She will counsel women on birth preparedness, importance of safe delivery, breast-feeding and complementary feeding, immunization, contraception and prevention of common infections.

- At the village level it is recognised that ASHA cannot function without adequate institutional support. Women's committees (like self-help groups or women's health committees), village Health & Sanitation Committee of the Gram Panchayat, peripheral health workers especially ANMs and Anganwadi workers, and the trainers of ASHA and in-service periodic training would be a major source of support to ASHA.
- Asha workers, also known as Accredited Social Health Activists, are community health workers in India who are trained to provide basic healthcare services at the grassroots level. Asha workers play a vital role in providing access to healthcare for underserved communities, particularly in rural areas.
- The work of Asha workers typically involves a range of activities, including:
 - Providing basic healthcare services: Asha workers are trained to provide a range of basic healthcare services, including vaccination, maternal and child health care, family planning, and basic treatment for common illnesses.
 - Promoting health and wellness: Asha workers often work to promote health and wellness in their communities by providing health education and working to address social and environmental factors that impact health.
 - Coordinating with other healthcare providers: Asha workers may work closely with other healthcare providers, such as doctors, nurses, and specialists, to coordinate care for their patients and communities.
 - Collecting and reporting data: Asha workers may be responsible for collecting and reporting data on the health status of their patients and communities, including information on the prevalence of specific health conditions and the effectiveness of interventions.

- Overall, the work of Asha workers is critical to ensuring that underserved communities have access to quality healthcare services.

There are many critical issues for ASHA workers:

- Asha workers face a lot of barriers due to maintenance of all the vital details in the "FILE SYSTEM" which in turn is very time-consuming and many people forget the important dates of their vaccinations & doses. So, for such a drastic situation, our TEAM HAS COME WITH A SOLUTION TO HELP ASHA WORKERS.

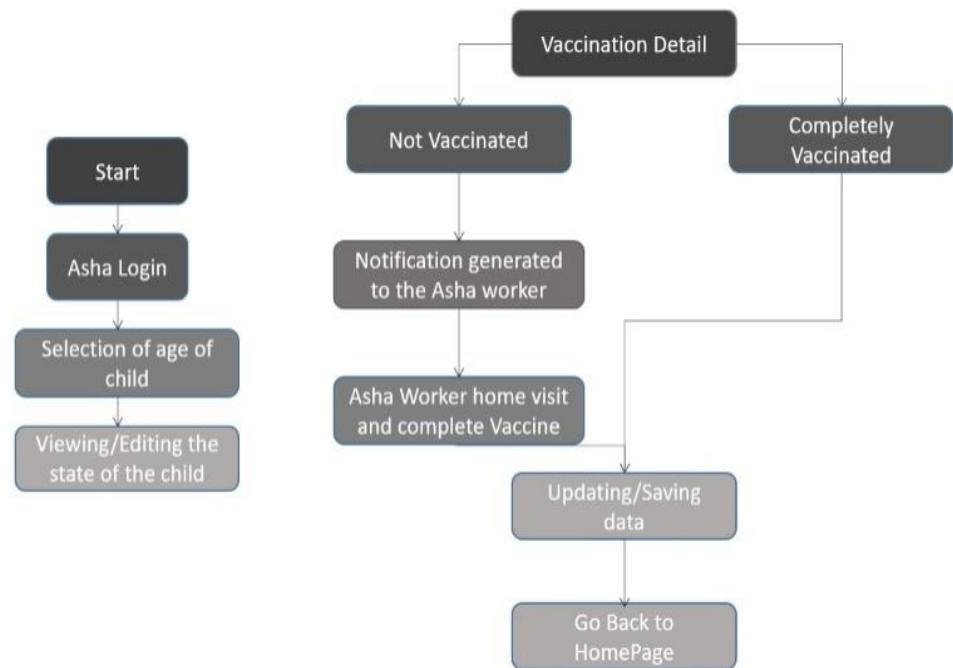
3 Topic of the work

As per the research done this topic, we'd seen that "FILE SYSTEM" has been followed and no such digital platform exists in this era to tackle the problems faced by ASHA workers. So, our team has decided to solve this problem by designing an application for ASHA workers which will be an online platform for this purpose. Our application will provide information, about the community on determinants of health such as nutrition, basic sanitation, hygienic practices, vaccination reminders and so on. It'll also contain all the vital records including the data of the clients, counsel women on birth preparedness, importance of safe delivery, breast-feeding, complementary feeding, immunization and vaccination. Thus, this application will eventually solve all the aforementioned problems.

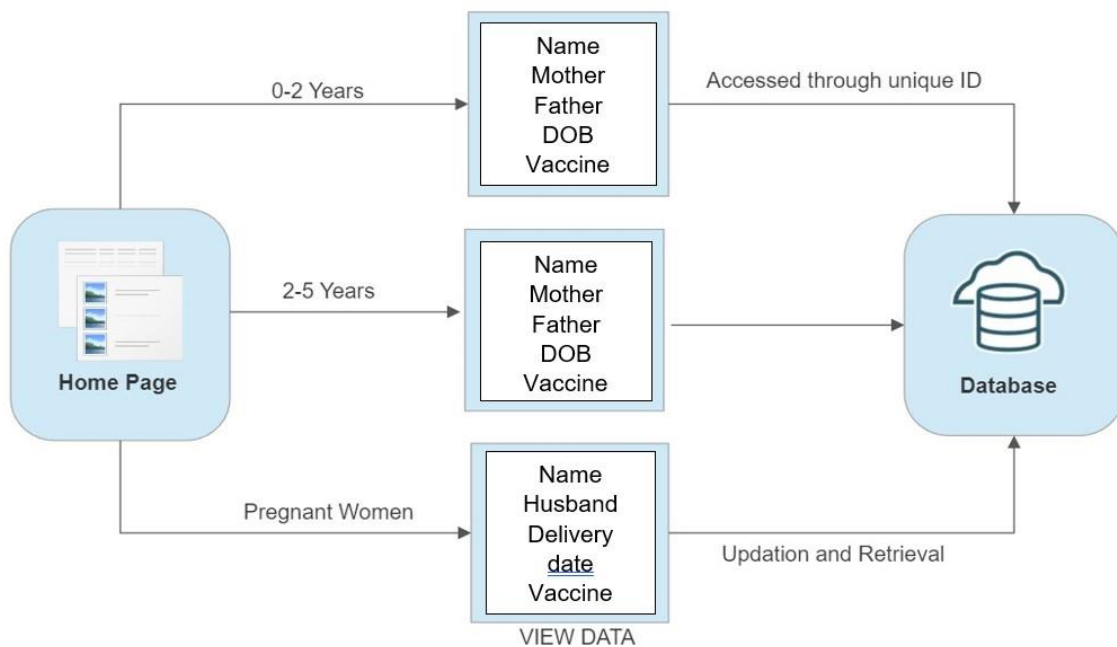
A. System Design / Architecture

In our application, ASHA Workers accounts will be created with a proper record of all the vital information like timely vaccination doses, determinant of health such as nutrition, immunization and many other things which will set an alarming impact and thus, workers will be escaped from missing their vital doses. Also, schedule routine check-up of the workers will be done without any discrepancy.

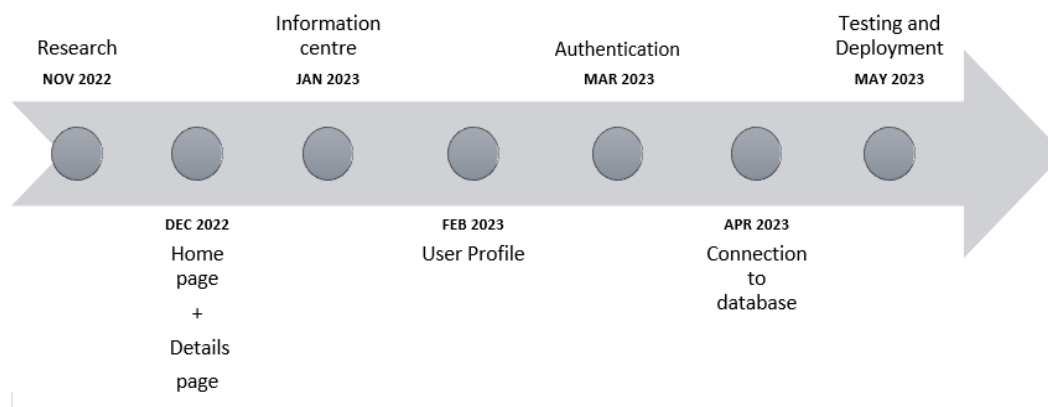
If any worker needs any sort of help, they can mention their problems in the app themselves without any further delay ,thus saving time.



FLOW CHART



Block Architecture Diagram



Timeline

B. Working Principle

Our main principle puts an emphasis on data collection, retrieval and securing it in less time. In this app, data of pregnant women's and recently moms will also be taken into consideration. An app for Asha workers is designed to support and enhance the work that they do in providing healthcare services to underserved communities. The working principle of such an app would depend on the specific features and functionality that it includes.

Training and education: The app could include a range of training materials and resources, such as videos, podcasts, and interactive modules, to help Asha workers stay up to date on the latest best practices and protocols.

Data collection and reporting: The app could be designed to streamline data collection and reporting processes, allowing Asha workers to easily track and record the health status of their patients and communities. This could include features for capturing and storing patient data, as well as tools for generating reports.

Access to resources and support: The app could provide Asha workers with access to a range of resources and support, such as guidelines and protocols for specific health conditions, drug information, and referral protocols. This could help Asha workers to better serve their patients and communities.

Overall, the working principle of an app for Asha workers would be to provide a platform for Asha workers to access the tools, resources, and support they need to effectively provide healthcare services to underserved communities.

C. Expected Results

Overall, the expected results of an app for Asha workers would be to improve the quality and effectiveness of healthcare services provided at the community level, leading to better health outcomes for underserved populations.

It will simplify data collection and reporting processes, making it easier for Asha workers to track and record the health status of their patients and communities which will lead to more accurate and comprehensive data on the health status of underserved communities, which could be used to inform policy and improve healthcare services

This provides Asha workers with access to a wide range of resources and support, such as guidelines and protocols for specific health conditions, drug information, and referral protocols in their own devices that they can access anywhere anytime.

4 CONCLUSION

As per phase 1, our team has done numerous research on ASHA Workers like, what do they do? And how do they do it? We find the domain that is the root cause work policy of workers and thus, we've created an application which helps ASHA workers in numerous ways.

In conclusion, an app for Asha workers could be a valuable tool for supporting and enhancing the work of these community health workers in providing healthcare services to underserved communities. Our app for Asha workers will provide training and education resources, facilitate data collection and reporting, and provide access to resources and support. By providing Asha workers with the tools, they need to effectively serve their patients and communities, an app could help to improve the quality and effectiveness of healthcare services at the

grassroots level, ultimately leading to better health outcomes for underserved populations.

5 **References: -**

- Hand Book 1:- https://nhm.gov.in/images/pdf/programmes/maternal-health/guidelines/my_safe_motherhood_booklet_english.pdf
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