



Aarogya Patrika

An interactive mobile phone-based
job aid for accredited social health
activists (ASHAs)

INTRODUCTION

- ASHA Accredited Social Health Activists workers are helping to build a strong foundation for promoting healthy practices in our society.
- The “Aarogya Patrika” is designed with the aim of blurring all these possibilities of lack of access to healthcare information, refresher training and meaningful supervision so that their ability to contribute to improved maternal and new-born health outcomes will play a major role.



**Community
level Problems**



Ashas

Novelty and inventive step of the proposal

Available in multiple regional languages.
Simplifies public administration, eliminating the need for data-entry operators.
Convert the data into digital format right from the point of entry, to be used, analyzed, accessed and processed across the health system by all relevant staff members



Social Relevance



- The impact of ASHAs on their communities is largely dependent on the quality of their training and other health system factors.
- Currently there is inadequate health system support for ASHAs including a lack of strong supervision, limited opportunities for continuing education and training and poor workload management.
- Empowering Asha's with Aarogya Patrika will help them to overcome the barrier

SYSTEM DESIGN

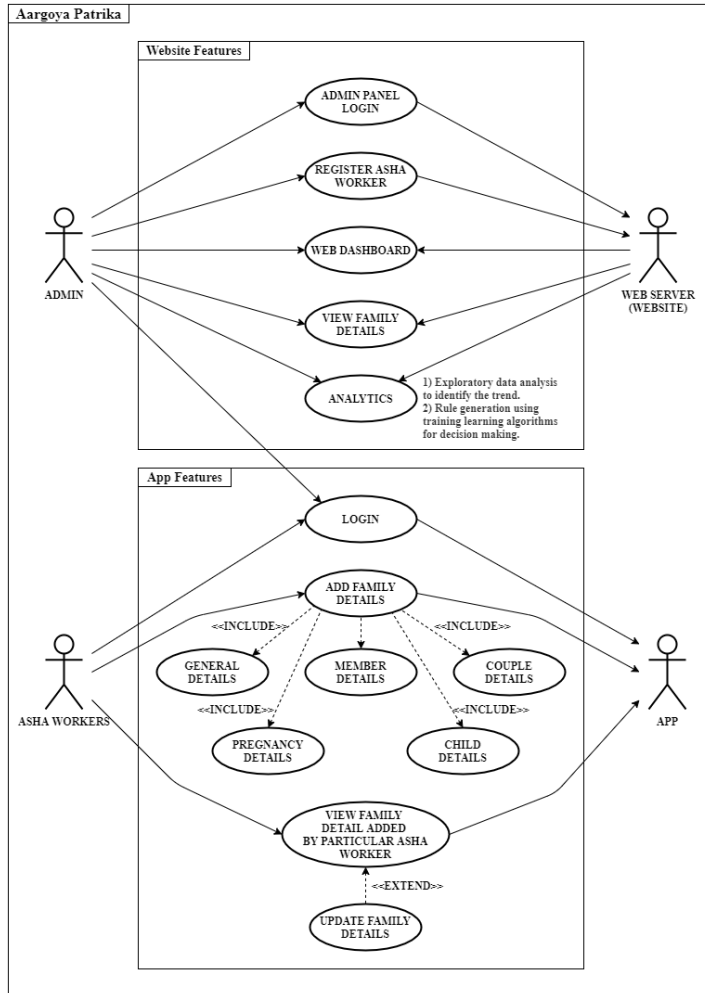
Software Architecture: The software architecture is comprised of the database, server and the client application.

Database: The database consists of a number of tables; some are fixed while some are created dynamically. These tables storing the data are implemented in MongoDB.

Client Application: The application provides an efficient user interface for all the ASHA workers.

Server The server is deployed on Heroku as it is robust, free and easy to deploy

Hardware Architecture: The basic hardware requirement for the system is any device having access to the internet connection which can run the “Aarogya Patrika” app and a server to store the database and host the Smart ASHA website.



GraphQL

Prettify

Merge

Copy

History

```

1 # Seca35d097292f07441e3185 manisha asha
2 # Sec21f574f9f5c7ae8a4b43c मंडबाई कुचेर मुंजे
3 query{
4   getFamilies(ashaWorkerObjectId:"Seca35d097292f07441e3185"
5     {
6       _id
7       ashaWorkerObjectId {
8         _id
9         name
10        subcenter
11        village
12      }
13      mobileNo
14      areaname
15      eligibleCoupleName {
16        husband
17        wife
18        coupleid
19        familyPlanningMethod
20      }
21    }
22    pregnancy {
23      para
24      name
25      complicationPreviousPregnancy
26      lastMenstrualDate
27      expectedDateDelivery
28      expectedPlaceDelivery
29      registrationDate
30    }
31    children {
32      coupleid
33      childname
34      childRCH
35    }
36    members {
37      membername
38      age
39      sex
40      # addhar_no
41      bank_acc
42      bank_name
43    }
44    general {
45      totalMembers
46    }
47  }
48 }
```

"data": {

"getFamilies": [

{

"mobileNo": "7448207675",

"_id": "Seca3b346dae19b17fa31d01",

"ashaWorkerObjectId": {

"_id": "Seca35d097292f07441e3185",

"name": "मनिषा सोपन खुरद",

"subcenter": "पिलीव",

"village": "सुकेवाडी",

},

"areaname": "मुजावरवस्ती",

"eligibleCoupleName": [

{

"husband": "मुबारक अब्दुल मुजावर",

"wife": "शशिस्ता मुबारक",

"coupleid": 0,

"familyPlanningMethod": "Oral pills"

},

"pregnancy": [

{

"para": 1,

"name": "शशिस्ता मुबारक",

"complicationPreviousPregnancy": "Nope",

"lastMenstrualDate": "1607126400000",

"expectedDateDelivery": "1605744000000",

"expectedPlaceDelivery": "VileParle",

"registrationDate": "1604880000000"

},

"children": [

{

"coupleid": 0,

"childname": "पतनाई अब्दुल",

"childRCH": "patanai kya ayega"

},

"members": [

{

"membername": "मुबारक अब्दुल मुजावर",

"age": 50,

"sex": "M",

"bank_acc": "",

"bank_name": ""

},

"general": {

"totalMembers": 1

}

},

]

}

A GraphQL API for interaction of the Mobile App and website with the MongoDB Database

Areawise Couple Count

Area	Percentage
उपरावस्ती	15.0%
मुजावरवस्ती	15.0%
गोडसे वस्ती	23.7%
सुकेवाडी	44.7%

Disease Count

Disease	Percentage
bp	17.5%
cancer	16.1%
tb	15.1%
hypertension	17.0%
other	14.4%
heart disease	15.8%

Family Planning Method Count

Method	Percentage
antara	15.0%
nirodh	13.2%
ep	16.5%
other	19.5%
oral pills	26.3%
cut	7.9%
no option	15.8%

House Type Count

House Type	Count
false	8
true	30

Dashboards that help medical professionals quickly analyze large sets of data can save time, and can even save lives.

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Home

General Information

नाव

शिगोर्णी

शौचालय

☒ आहे

☐ नाही

दारिद्र्य रेषेखाली

☒ आहे

☐ नाही

घर

☒ कच्चे

☐ पक्के

पाणी पुरवठा

☒ सार्वजनिक

☐ बोअर

☐ विहीर

☐ हातपंप

प्रवर्ग अनुसूचित जाती/अनु.जमाती/इतर

☐ प्रवर्ग अनुसूचित जाती

☒ अनु.जमाती

☐ इतर

Save Information

≡

Home

मागील सदस्यांचा तपशील

अभय सोमनाथ

Member 2 Details

नाव

जनाबाई सोमनाथ

वय किंवा DOB/MM/YYYY

24

लिंग

☐ पुरुष

☒ स्त्री

☐ इतर

आधार क्र

8956435616546523

बँक खाते क्र

692869195832

बँकेचे नाव

सेंट्रल बँक ऑफ इंडिया

मोबाइल नंबर

9892506287

अपंगत्व प्रकार

☐ ओंथो

☐ डोळा

☒ कान

☐ इतर

इतर अपंगत्व असल्यास

रोग

☐ हृदय रोग

☐ उच्च रक्तदाब

☐ टीबी

☒ कर्करोग

☐ कुष्ठरोग

☐ मधुमेह

≡

Home

सदस्याचा नावाने शोधा (Search by member name)

सोमनाथ

शोधा (Search)

कुटुंब (Family) 1

अभय सोमनाथ

जनाबाई सोमनाथ

विकास सोमनाथ

सुटी सोमनाथ

THANK YOU

Do you have any questions?