



सत्यमेव जयते

iscf

Ministry of Housing and Urban Affairs



TEAM : USHA

Mentors



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Issues



Lack of spatial and real time data in healthcare



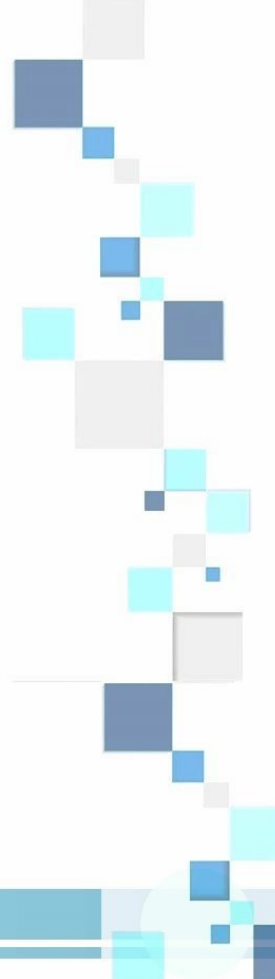
Lack of monitoring and tracking of cases



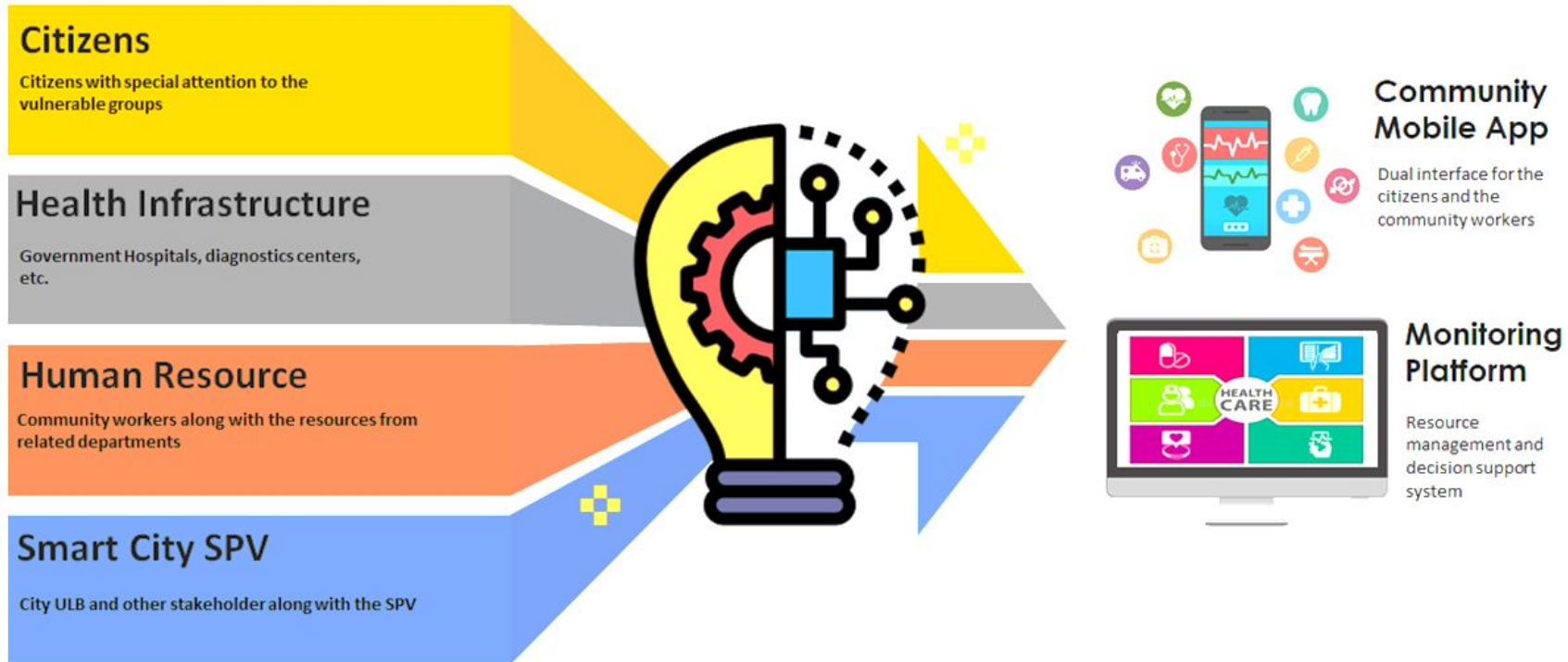
Lack of healthcare planning in communicable diseases



Digital tool to enhance healthcare accessibility



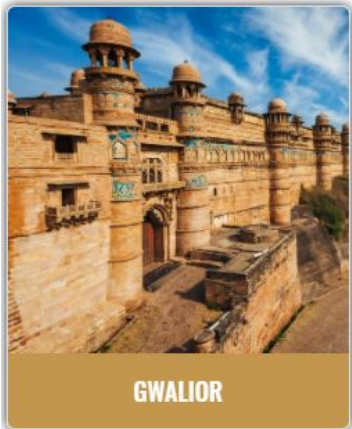
AIM : “To enhance healthcare accessibility for communities through integrating ULB, service providers and citizens using data driven digital platform”



Pilot City



GWALIOR
Smart City

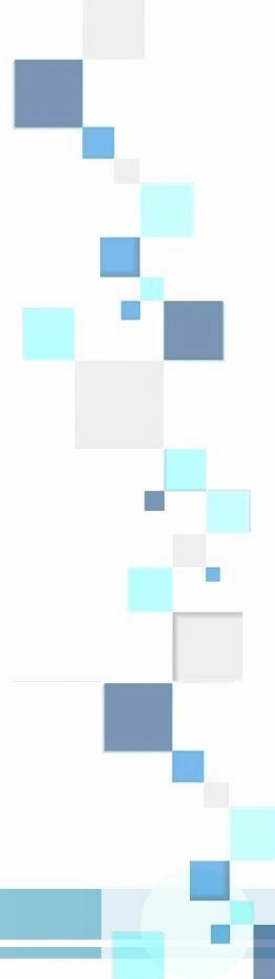
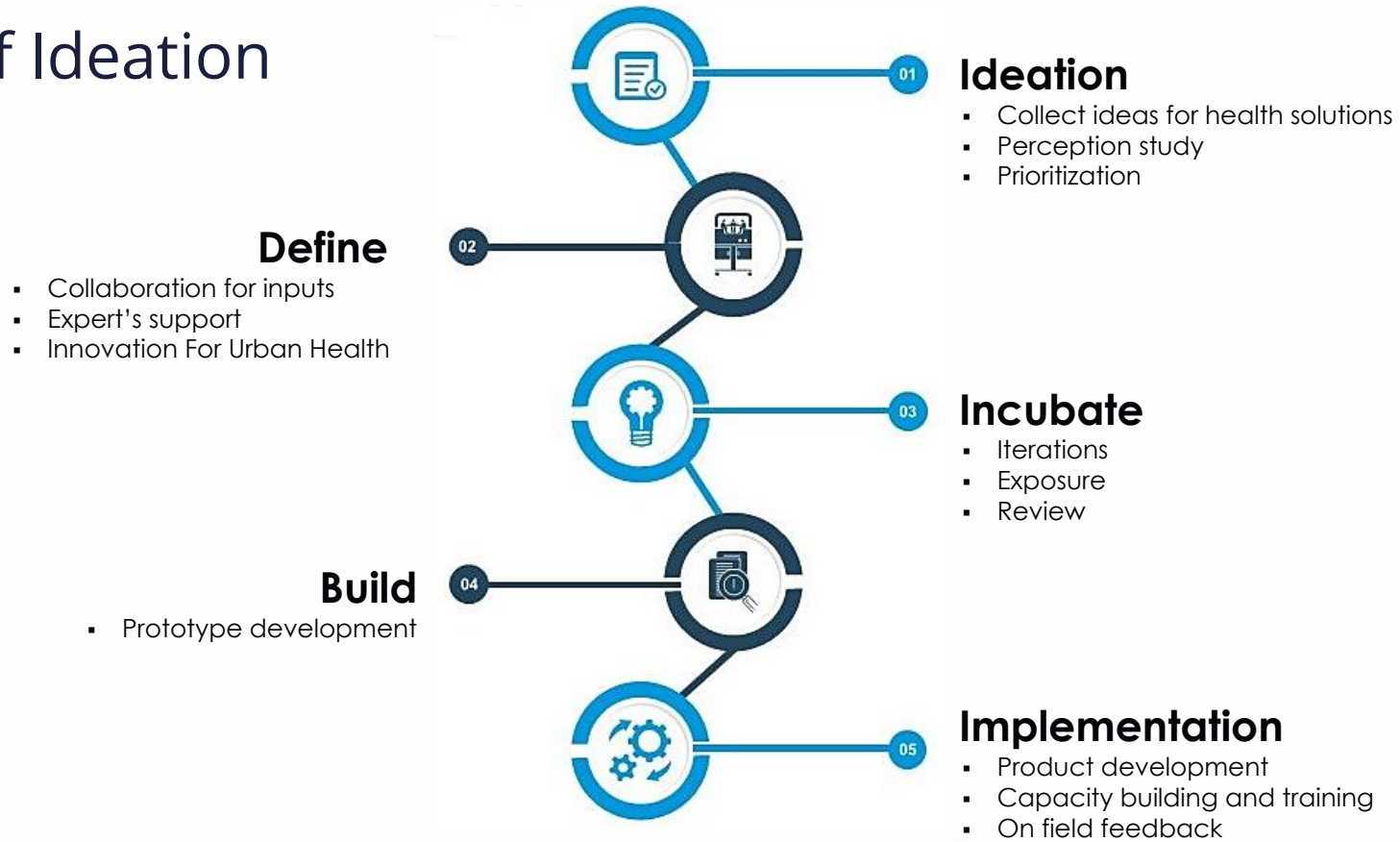


- Operational ICCC
- On going projects on digitising healthcare
- Relevant city for the selected disease cases



Integrated Command Control Centre at Gwalior Smart city

Process of Ideation



Project development

Pre-project Expert Consultation
Telephonic consultation

Stakeholder Consultation
District , Municipal Corporations officers, Smart City

Tool Development
Application and Dashboard

Feedback and Development
Feedback and integration loop

1

Pre-project Analysis
Questionnaire, online survey

2

3

Data Collection
DMO, Municipal Corporation and SPV

4

5

Developer Onboarding
Tulip- App and Dashboard Development

6

7

Tool Testing/Pilot
Funding, on ground piloting, SPV support

8

Engagements/ Consultation

District Health Office,
Healthcare Experts

Municipal Corporation, Public Health
Department

Smart City Gwalior

Healthcare Workers (JMI, SW)
PHC/CHC

District Collector



Community



District Health Office



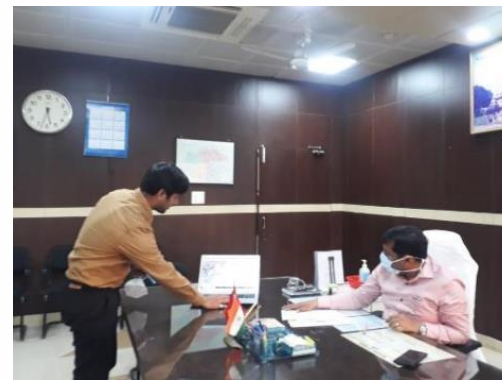
Public Health Office



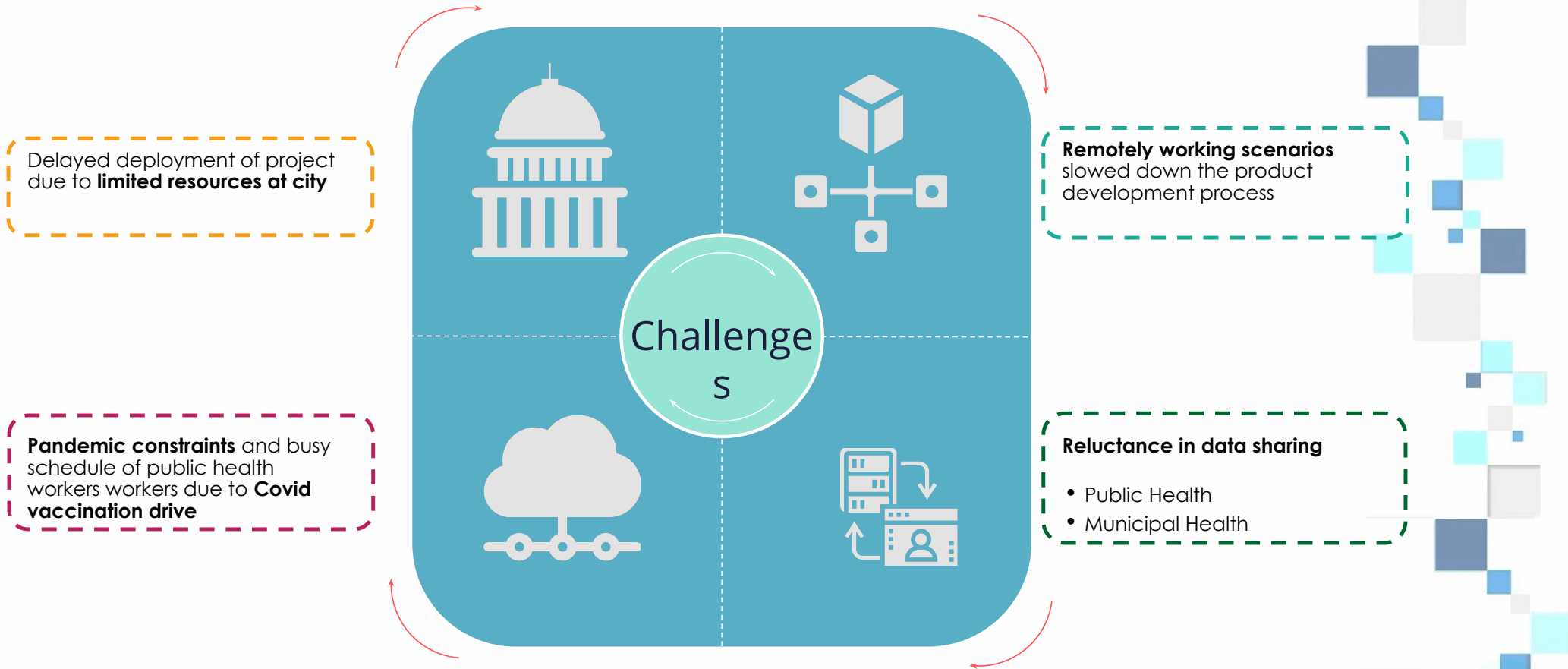
District Malaria Office



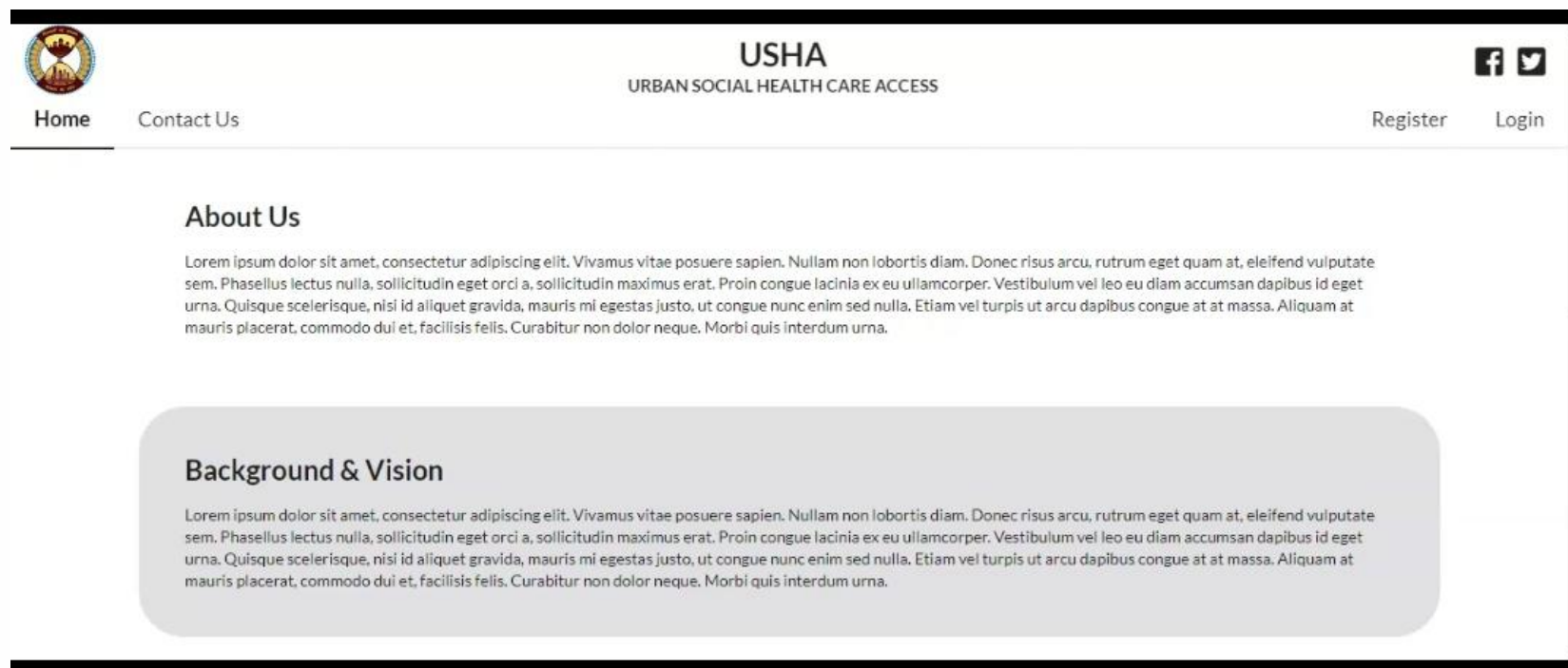
ASHA/ANM



District Collector

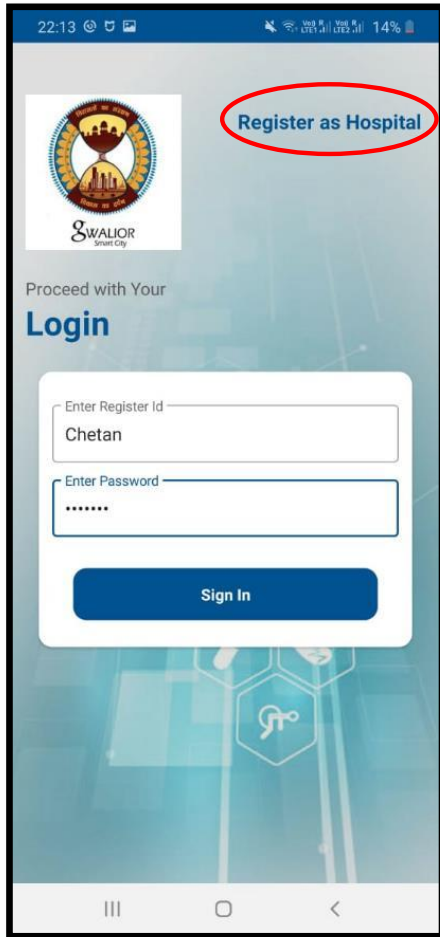


Dashboard: <http://publichealth.gwaliorSMARTCITY.org/>



The screenshot shows the USHA (Urban Social Health Care Access) website dashboard. The header includes the USHA logo, the text "USHA URBAN SOCIAL HEALTH CARE ACCESS", and social media icons for Facebook and Twitter. Navigation links for "Home" and "Contact Us" are visible on the left, and "Register" and "Login" are on the right. The main content area features two sections: "About Us" and "Background & Vision", both containing placeholder text (Lorem ipsum).

Mobile Application



22:13

SWALIOR Smart City

Register as Hospital

Proceed with Your
Login

Enter Register Id
Chetan

Enter Password
.....

Sign In



22:12

SWALIOR Smart City

Proceed with Your
Register Here

Government Hospital

Name of Facility
UPHC 1

Enter Address
Morar

Enter Register Number
PHC001

I accept the privacy policy

Sign Up



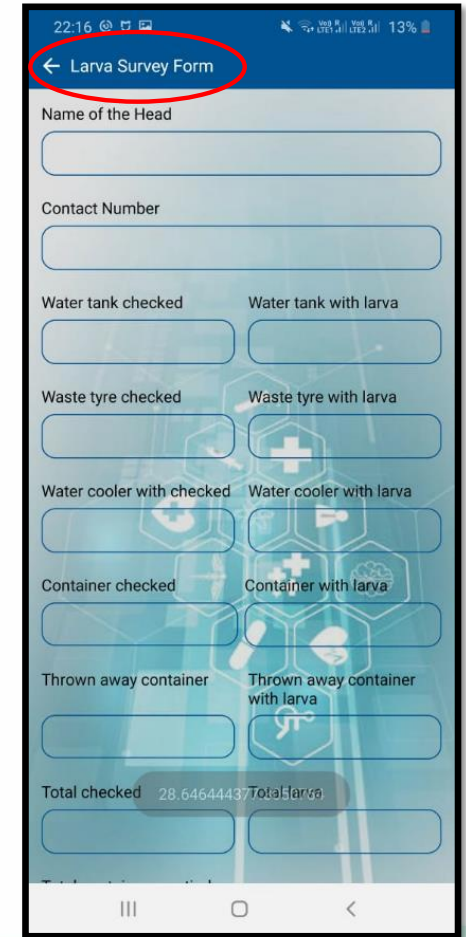
22:14

Home

chetan
1145F254S

LARVA SURVEY **PATIENT TREATMENT**

CONTACT SURVEY **LAB TECHNICIANS**



22:16

Larva Survey Form

Name of the Head

Contact Number

Water tank checked Water tank with larva

Waste tyre checked Waste tyre with larva

Water cooler with checked Water cooler with larva

Container checked Container with larva

Thrown away container Thrown away container with larva

Total checked 28.64644437 Total Larva

Mobile Application

22:15

Contact Survey

Ram Singh

Patient name
Madhav Singh Chauhan

Patient's address
lashkar

Age
12

Gender
 Female Male

Mobile Number
6393313568

Days for suffering from fever
02

Active/Passive (Default Passive)
 Active Passive

Continue Reset

Blood slide number
BS1102

Weather you are SC
 YES NO

Weather you are ST
 YES NO

Head of the Family
Ram Singh

Patient name
Madhav Singh Chauhan

Patient's address
lashkar

Age
12

Gender
 Female Male

Mobile Number
6393313568

Head of the Family
Ram Singh

Patient name
Madhav Singh Chauhan

Patient's address
lashkar

Age
12

Gender
 Female Male

Mobile Number
6393313568

Days for suffering from fever
02

Active/Passive (Default Passive)
 Active Passive

Continue Edit

22:16

Lab Technicians

Enter the slide number
BS1102

Available details
NA

Remark
0

PF
Positive

PV
Negative

Mixed
Negative

Feedback on smear quality by LT
0

Continue Continue

Lacunae

Inter departmental coordination

Local language manually collected data

Lack of digital capacity of healthcare workers on ground

Tool can only be useful with digital and spatial data

Probable Solution





Onboarding all departments before initiation

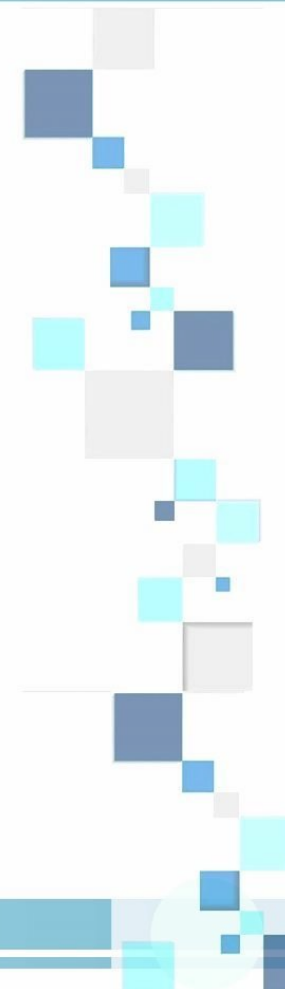
Use of technology to extract and convert the data into digital data

Capacity Building and Training to use the app

Integration with Google maps and building city level spatial database

Scalability and Replicability

- Can be replicated to analyze any Disease case 
- Comparative healthcare service analysis of various cities 
- Can be scaled up to multiple level of governance and disease 
- Integration of data from various public health departments for holistic analysis, predictive modelling and other data modelling 



Phase 2

1 Development of Citizen App

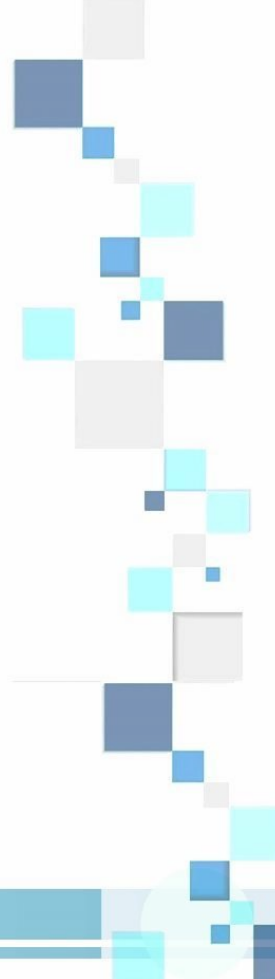
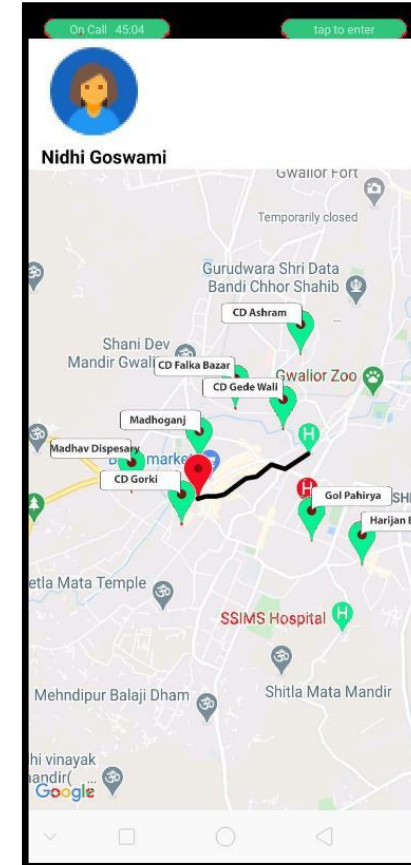
- Crowd Sourcing data
- Information dissemination
- Locating Health facilities

2 Pilot of both the Apps

- Health department implementation
- Building utility for citizens

3 Integration of data from department

- City data layers to be developed
- Co-functioning of departments on action to be taken



Thank You



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Product Manager (Technical)



Arpit Tiwari

Architect and Urban Planner



Priya Upadhyay

Urban Development Manager/Urban
Planner



Zia Ul Haque

Urban & Regional Planner, Architect

