

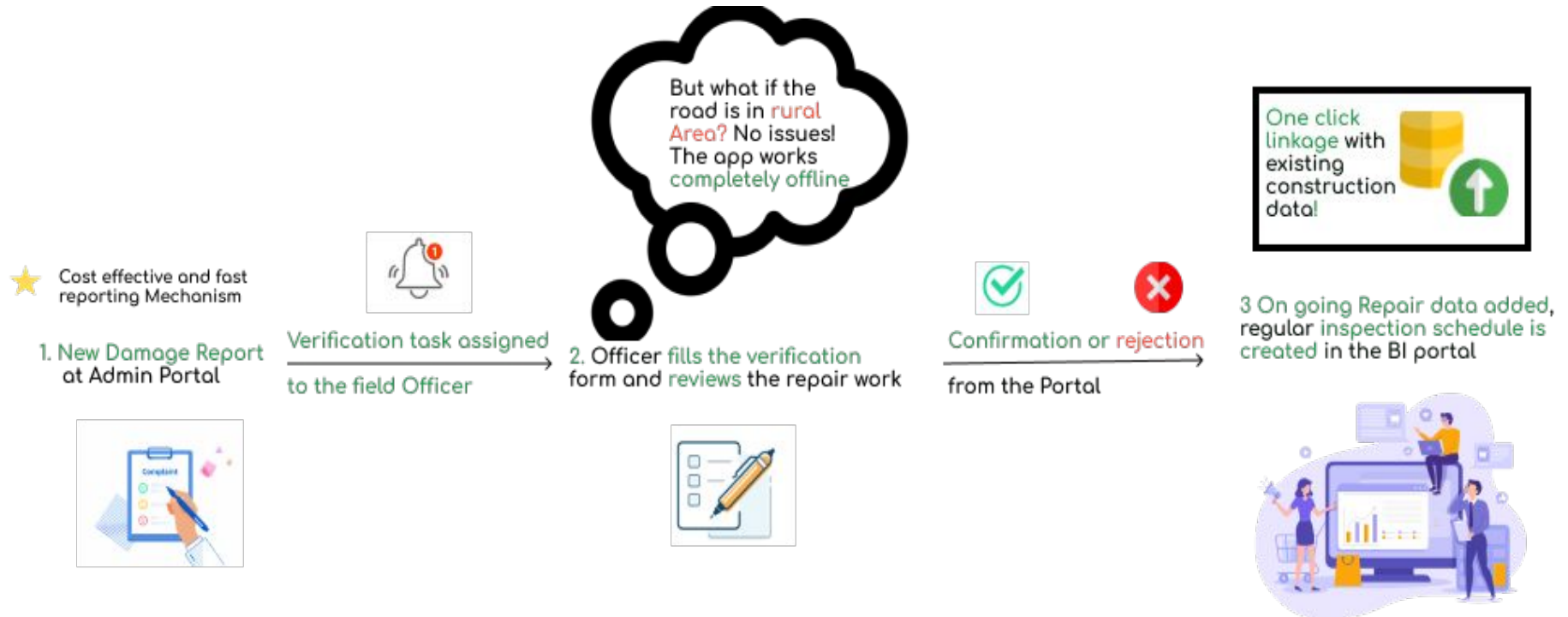


Team HackForFood ID: 7357

Problem Statement: AD358

Evaluation Day 2

A flow graph illustration of our project



The Backbone: BI Portal

Road Database for record keeping

- * Visualize, filter and see all the active roads on map and graphs
 - * View all the details and documents related to the road
 - * View all active and backlog complaints of the specific road.
 - * A responsive map view which allows to click on a road and get all the necessary details.
- ★ Generate smart analytics for upcoming repair date, keeping in mind the fund
 - ★ Make smart suggestions based on frequent problems for the road.



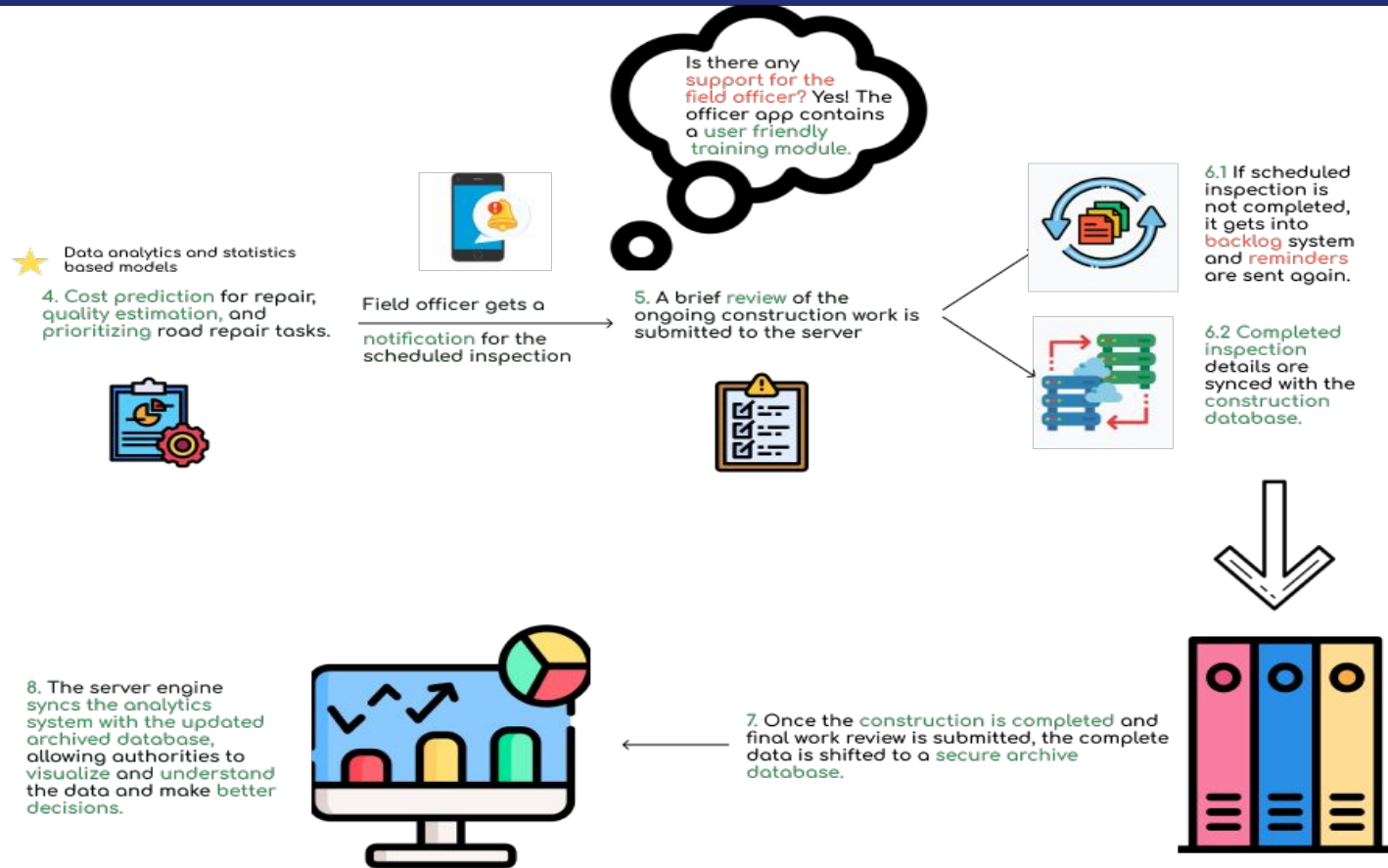
Maintenance portal for monitoring and reporting defects

- * Tracking all the complaints and dividing them on the basis of number of reports and road priority
 - * View a complaint in detail
 - * Approve a repair work and see it's schedule and reports
 - * Fully synced data analysis and visual aids based on the last updated work inspection report.
- ★ Cost and next repair prediction based on various factors such as road quality, traffic density, etc.

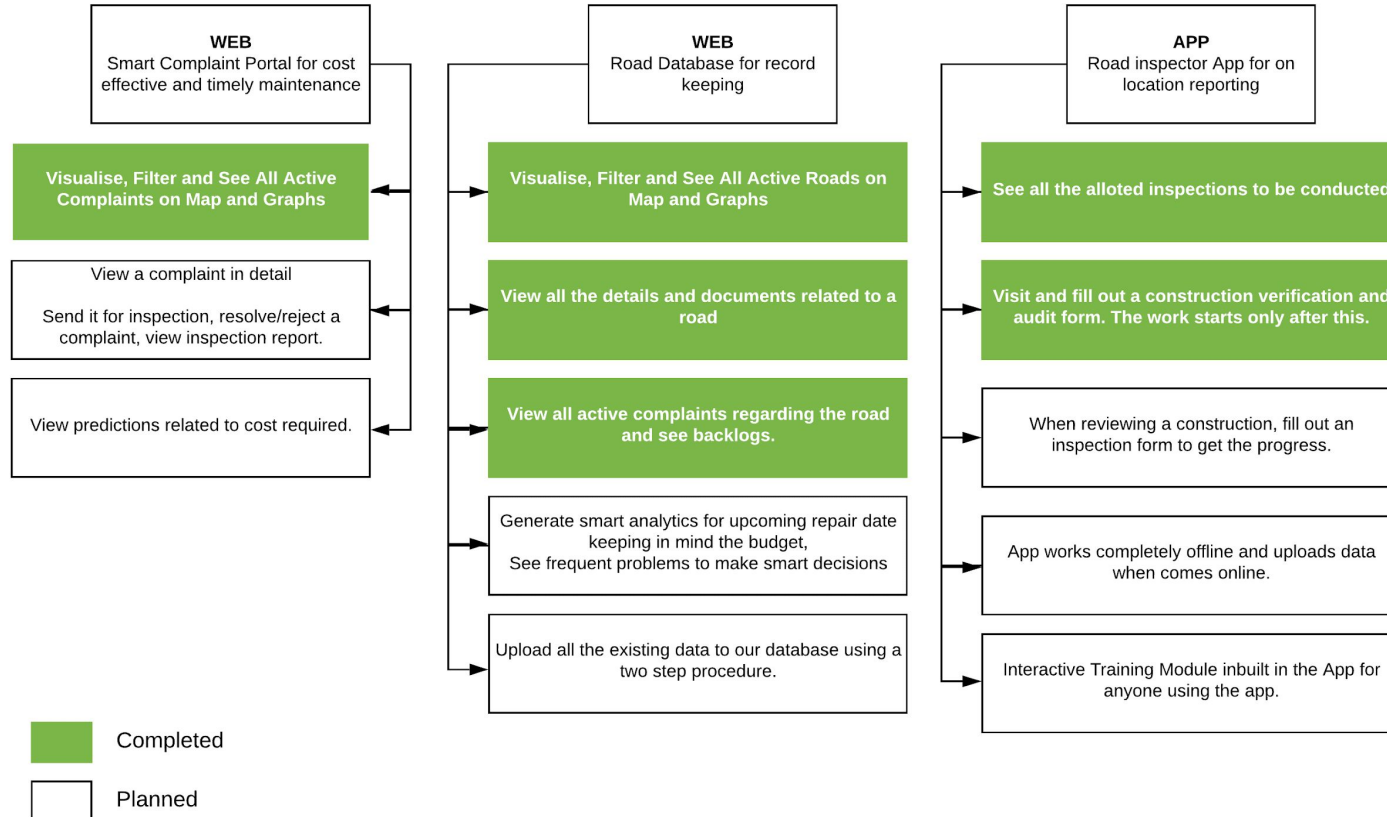
One click linkage
with existing
construction
legacy data!

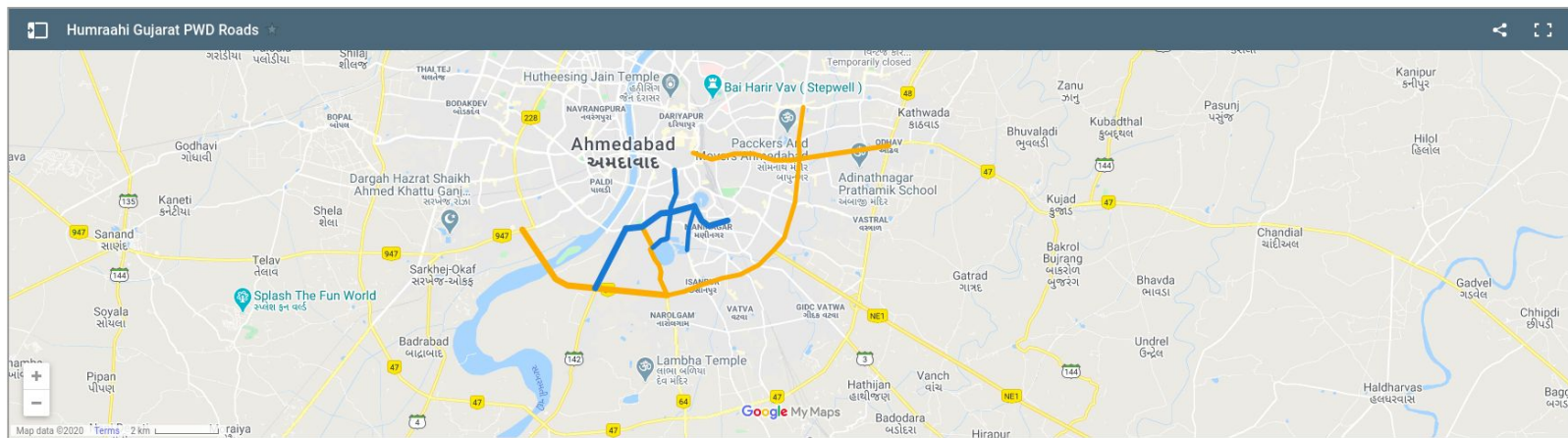


Illustration continued..



Current Progress





Roads

Road ID	Road Zone	Road Type	Districts	Start	End	Length
1	8	common city road	District-281	43 Rubio	735 Lisa	11km
2	9	common city road	District-408	70 Walter	70 Massey	99km
3	9	common city road	District-130	0059 Alex	nit 8284	94km
4	8	Major District Road	District-11	SC 4481,	1508 Loza	96km

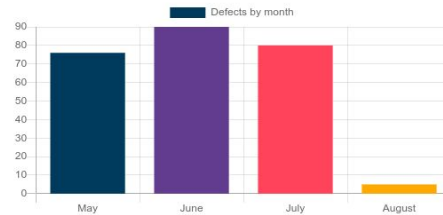
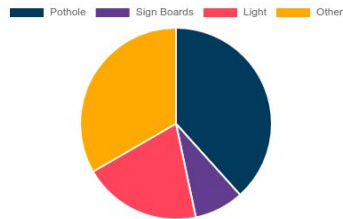
<https://humraahi.netlify.app/>

Maintenance Portal

Active Complaints

Complaint ID	Location	Road ID	District	Defect Type	Reported On	Status
GJVD355	Raja Mandir, MG Road	SK78	Vadodara	Pothole	23/3/2020	Not Verified
GJVD356	Raja Mandir, MG Road	SK78	Vadodara	Light	23/3/2020	Not Verified
GJVD357	Raja Mandir, MG Road	SK78	Vadodara	Signboards	23/3/2020	Not Verified
GJVD358	Raja Mandir, MG Road	SK78	Vadodara	Pothole	23/3/2020	Not Verified
GJVD359	Raja Mandir, MG Road	SK78	Vadodara	Divider	23/3/2020	Not Verified
GJVD360	Raja Mandir, MG Road	SK78	Vadodara	Pothole	23/3/2020	Not Verified

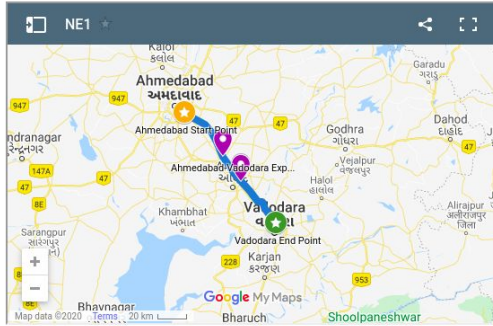
Analytics



<https://humraahi.netlify.app/>

Road ID: fbfd9

Iyer Fork Road



Images:



Location Details

Start: New Anaghburgh
End: North Rupinderview
Exit Loops: Unavailable
Length: 65km
Category: State Highway

Construction Details

Technical Details

Road Segments

Active Complaints

Complaint ID	Location	District	Defect Type	Reported On	Status
03ebd	5811 Abbott Orchard	North Chandrakalaland	Pothole	Thu Jun 18 2020 06:09:40 GMT+0530 (India Standard Time)	Not Verified
c98fd	9311 Tagore Summit	Shivburi	Pothole	Thu Jul 30 2020 09:51:53 GMT+0530 (India Standard Time)	Not Verified
615f1	58668 D. C. Road	North Chandrakalaland	Pothole	Thu Jul 30 2020 09:51:53 GMT+0530 (India Standard Time)	Not Verified

<https://humraahi.netlify.app/>

Complaint ID: 48fe0



Images:



Location Details


Location: Kalpanaberg

Type: Pothole

Reported On: 23/04/2020

Construction Details

<https://humraahi.netlify.app/>



Humraahi

ROAD MANAGEMENT PORTAL

User Name

Password

LOG IN

Not Registered Yet? Please Sign Up

17:03

Humraahi

Upcoming Pending Task

12

Verification

Location: Dhanbad, Jharkhand

Assigned On: 24-07-2020

Deadline: 01-08-2020

START

Pending Tasks

31

Inspection

Location: Mahatma Gandhi Road, Delhi

Assigned On: 02-07-2020

Deadline: 10-07-2020

START

32

Location

Assigne

Deadlin

Completed_Tasks

20

Inspection

Location: Civil Lines, Delhi

Assigned On: 02-07-2020

Deadline: 10-07-2020

21

Location

Assigne

Deadlin

17:04

Humraahi

Verification Form

Audit	Construction	▼
Road Name		
Inspection Codes	Tension cracks visibly	▼
Remidial Codes	Install or repair	▼
Activities	Bridge	▼
Local Name		
Priority		

