

The Problem statement

How to detect defunct/defective lights connected to a particular CCMS?

Using existing CHS (Complaint Handling System) to predict future complaints.

Problems with the "Problem Statment"

Insufficient Data for pinpointing individual points of failure.

..so let's redefine.



The Mohan Analogy

Once upon a time...

Finding Mohan be like...



Let's solve this problem....reasonably

Step One : CCMS connects to 3 phases, let's try to determine the faulty phases in order to reduce our search space.

Step Two : Deploying QR codes across individual light poles for collecting pole to CCMS mappings, maintainance data and enhanced complaint redressal system.

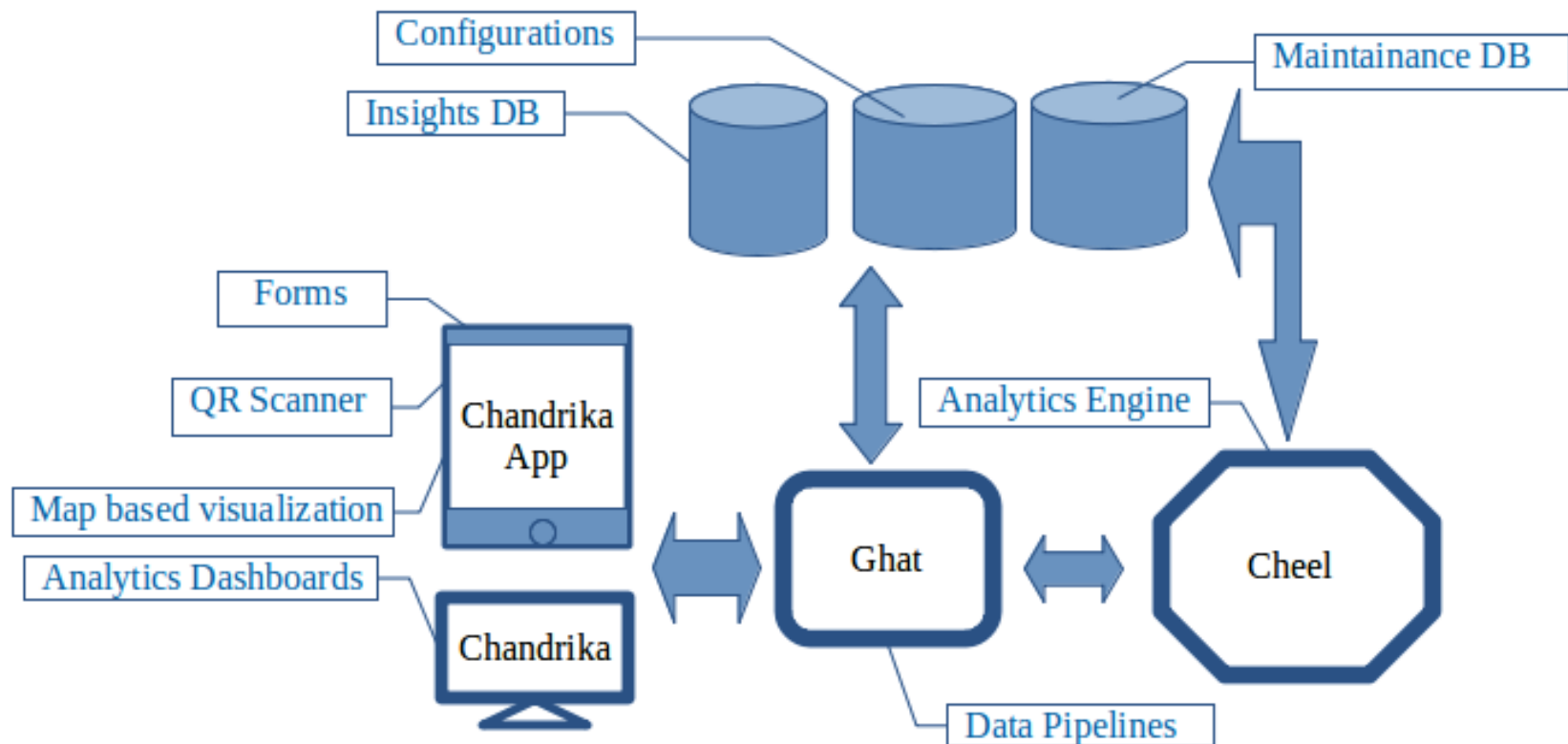
Step Three : Using parameters like known device signatures, maintainance data, pole to CCMS mappings to determine faulty devices.

Our Arsenal

Chandrika : Analytics and data collection dashboards.

Cheel : Our central data analytics engine doing all the heavy loading.

Ghat : Data collection pipelines and APIs.



QR v/s Hardware Based Collection

- QR can cost as low as 0.06 rupee per peice, for 10 million lights, total cost is 6 Lakh rupees.
- Almost zero installation and maintainance cost.



- No need to change in the existing infrastructure.

Our Team



CheelGhat

Parth Maheshwari - Machine Learning

Devesh Bajaj - DevOps

Mohit Dasila - FrontEnd

Vimal Sheoran - FullStack

Our Bretheren Here



GarudDwar



NaagShakti

Patriots don't always have to lay down their lives for their country, some can live and make themselves useful to the motherland.

-Anonymous