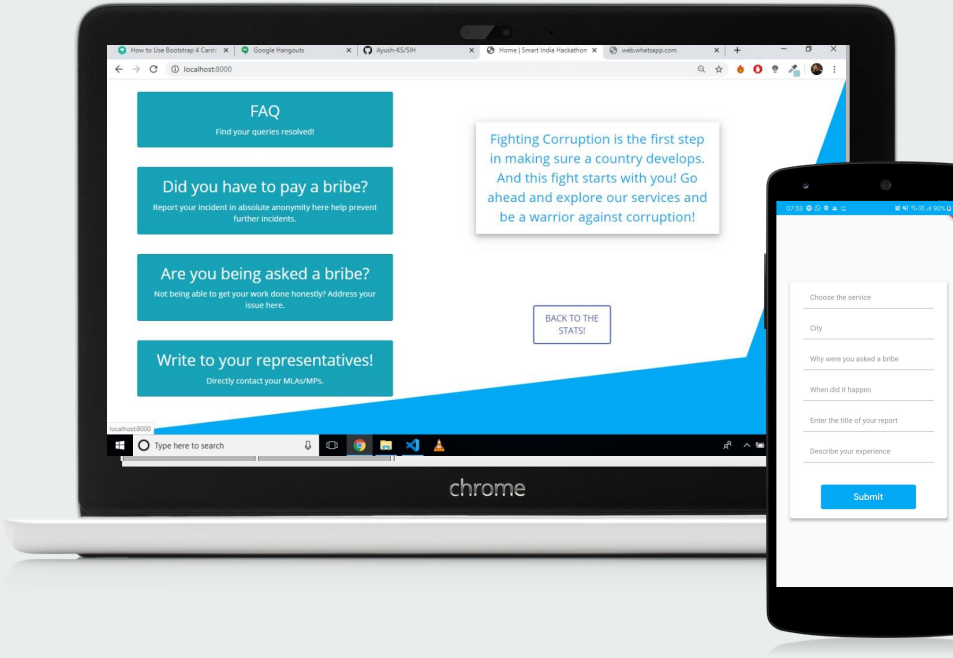
Project
Curb Corruption

Problem statement and
solution proposal



Outline

Idea Details:

Organization Name: Bureau of Police Research & Development

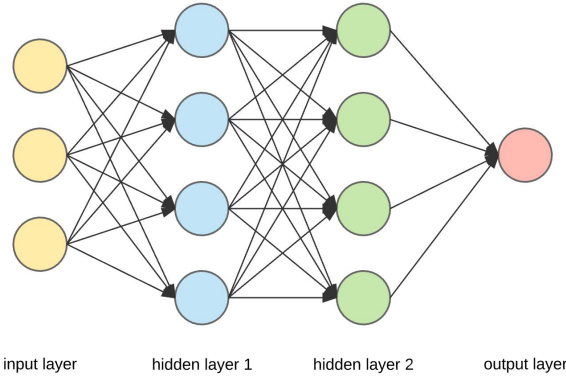
Problem Statement: With our aim to fight against bribery, we seek Digital Solution to Combat Bribery & Justice Restoration System for better policing and improved public delivery system. Solution should (1) Provide efficient ways of public delivery system for combating bribery (2) Reporting bribery incidences to authorities. You may add value addition features to your solution.

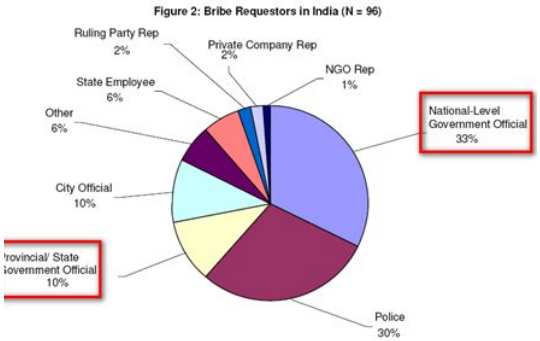
Team Name: BanderSnatch

Team Leader Name: Nipunika

Solution

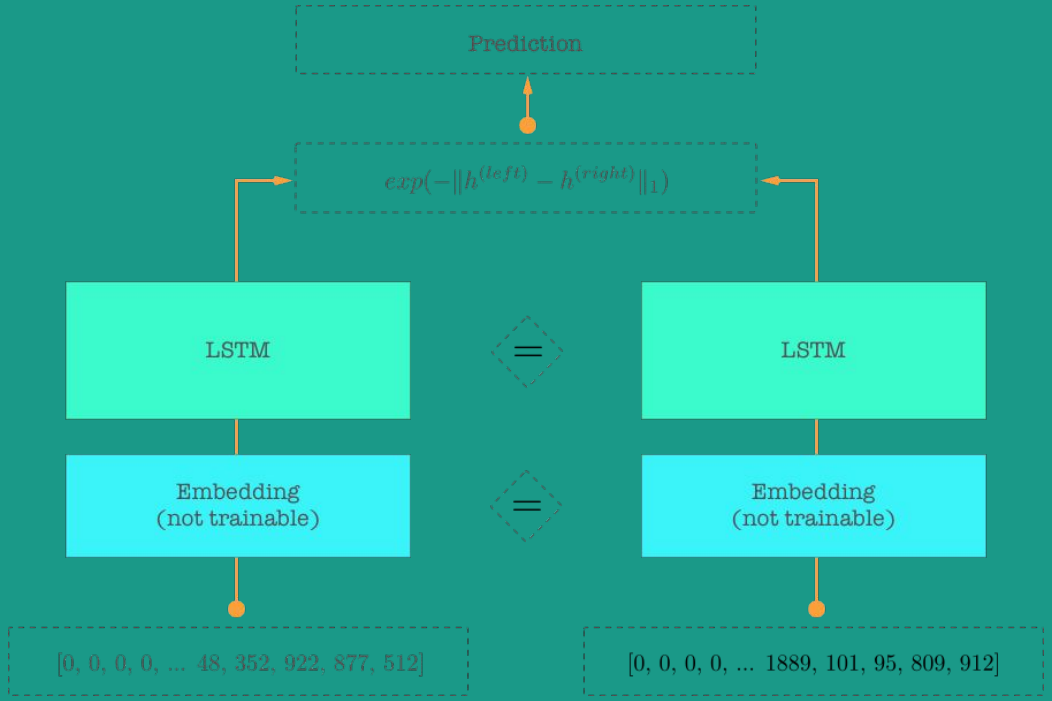
- ➔ Platform that targets petty corruption in public delivery system by increasing accountability
- ➔ Self-Sustaining application that relies on crowdsourced data and reports to make an early warning system
- ➔ crowdsourcing is useful for upward transparency through reporting widespread petty corruption, increasing visibility of corruption and generating data to research trends, indicating the need for anti-corruption action.
- ➔ developed an early warning system based on a neural network approach, specifically self-organizing maps, to predict public corruption based on economic and political factors
- ➔ Using SMS delivery system and automated calls to report incidents in low-network areas





Dependencies

- Data Sets for literacy rate, GDP, population and poverty index.
- Information of officers in incharge of various public delivery systems



Siamese Model for report similarity

Petty Corruption	⇔	Accountability
Data Aggregation	⇔	Targeted Policy Making
Early Warning System	⇔	Optimized Resource Utilization
Easy access to relevant information	⇔	Promoting Transparency

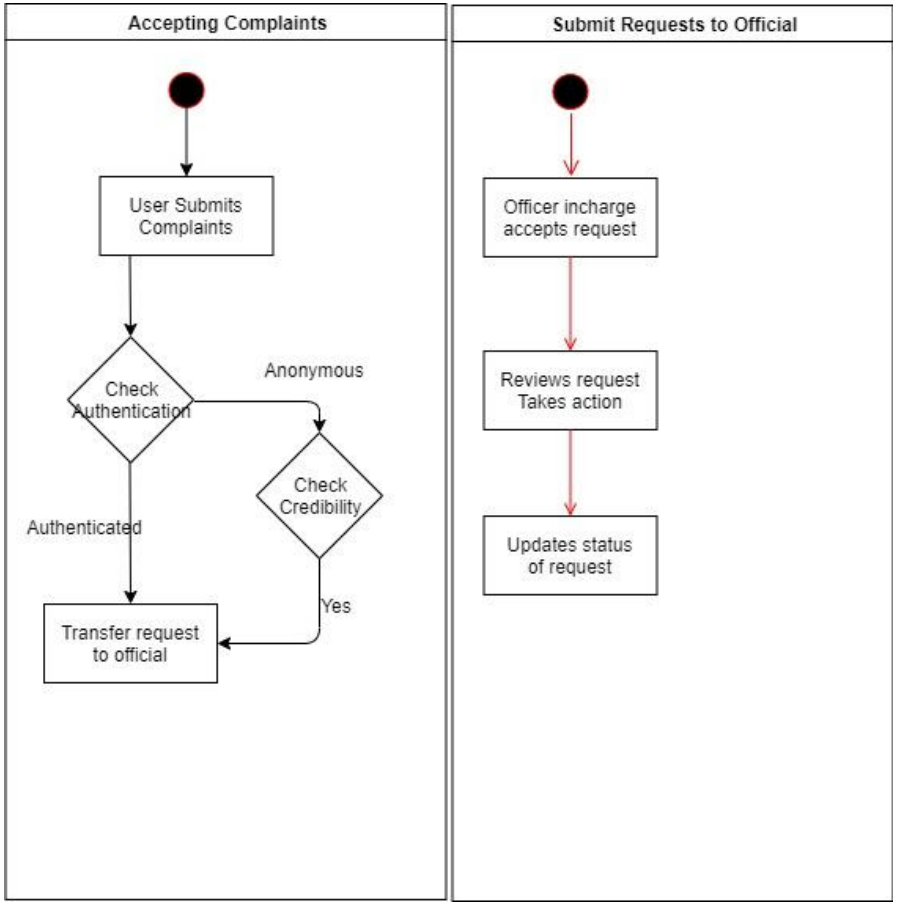
Combating bribery

- Increased Accountability
- Targeted Policy making

Reporting mechanism

- Ease of access
- Existence of a follow up mechanism
- Guaranteed anonymity

Use Case Diagram



Tech Stack

- ➔ Flask
- ➔ Flutter
- ➔ Keras
- ➔ NodeJS
- ➔ MongoDB
- ➔ BootStrap4
- ➔ Python
- ➔ TensorFlow
- ➔ Cloudinary
- ➔ Heroku Redis Workers