



TaPP

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Target Users

- Car Driver/Owner
- Age: 18+
- Male/Female/Others
- Different levels of technical sophistication

Problems Faced

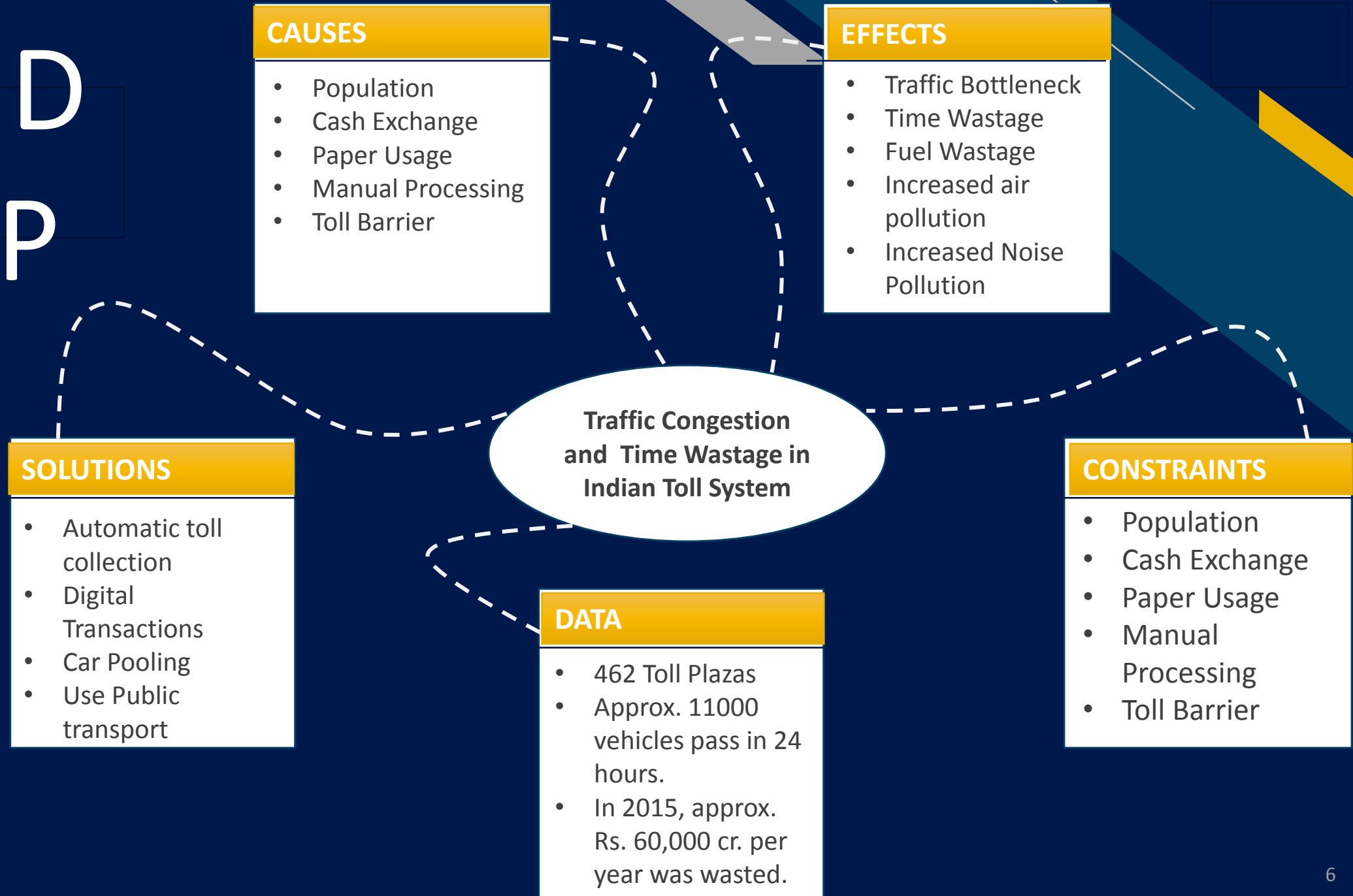
- Time Wastage
- Fuel Wastage
- Traffic Congestion
- Noise Pollution



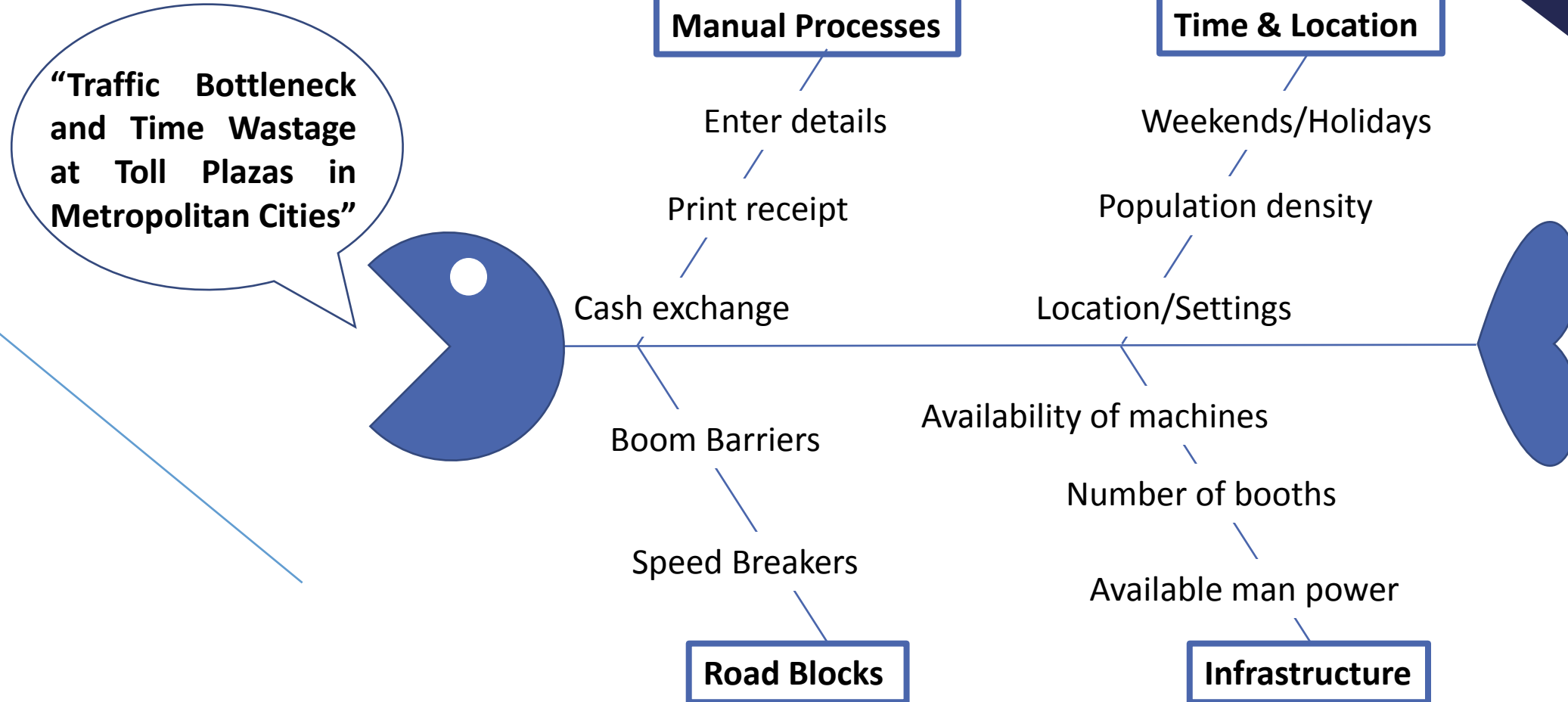
Problem Statement

“Traffic Bottleneck and Time Wastage at Toll Plazas in Metropolitan Cities”

MIND MAP



Fishbone Analysis



Current State of the art

RFID based chips linked to a prepaid wallet



Limitations of E-Tag

- Can be easily disrupted
- Tag collision
- Reader collision
- Can be read without your knowledge
- *Has not taken off well*



Proposed Solution

- Toll App: TaPP – QR scanner
- Phone number and vehicle registration details
- Verification and OTP to authenticate payment
- Payment within 24 hour.
- Defaulter has to pay fines.





**PUT ON YOUR
THINKING HATS.....**

- Trying to prevent pollution and discomfort for daily toll plaza users.
- To ensure that users spend minimum time at toll booths.
- Prevention of fuel wastage at tolls.

- Loss of 60,000 cr. rupees every year due to traffic bottleneck at toll plaza.
- 462 toll plazas on National Highways alone.
- According to an estimate, roughly 11,000 vehicles pass a toll plaza on a normal day.

- Convert toll tax to road tax.
- Use RFID tags linked to the vehicle to pay tolls.
- Increase the number of toll booth lanes.

- Post paid system which you can pay at your convenience.
- Theft detection message if the paying number doesn't match the authorized numbers.
- Online payments make the transactions more transparent.
- Saves time and fuel by eliminating manual processes.

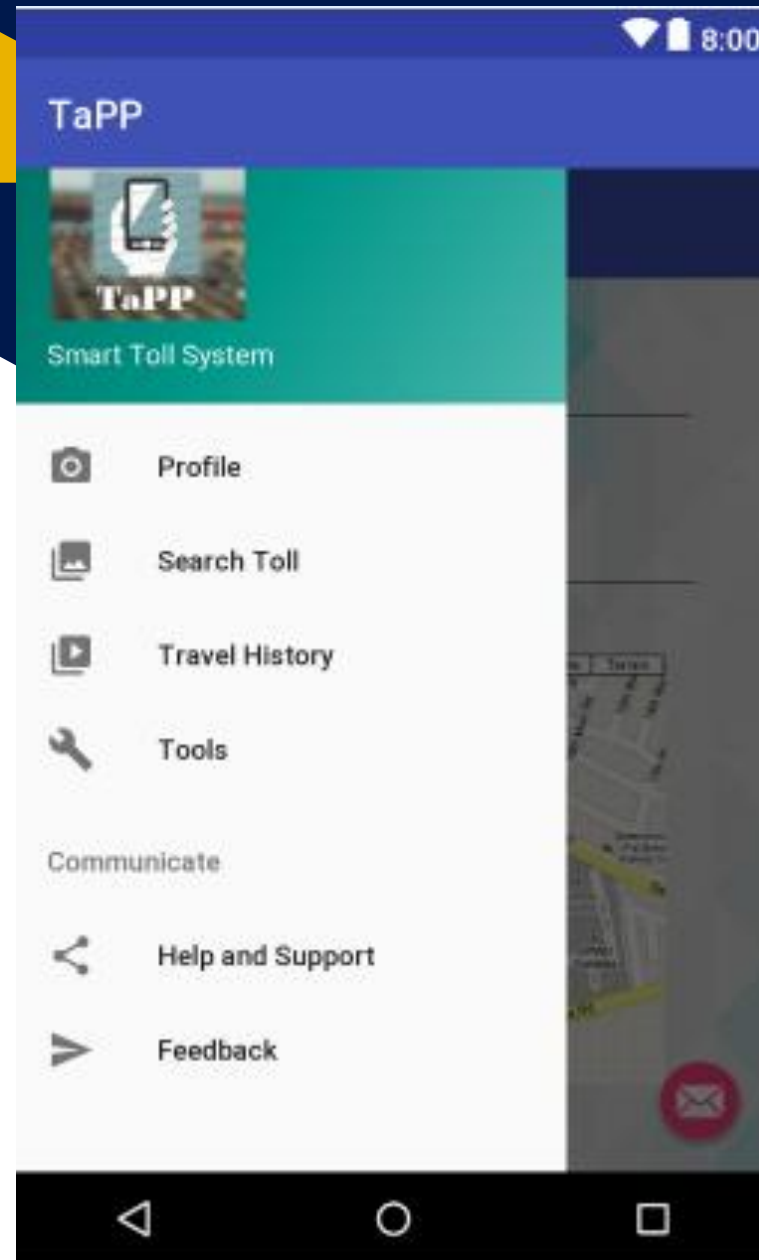
- It is slightly slower than RFID tags.
- People not comfortable with technology might not use it.

- The users will be happy as we are reducing air pollution.
- The user will feel good as both time and money is saved.

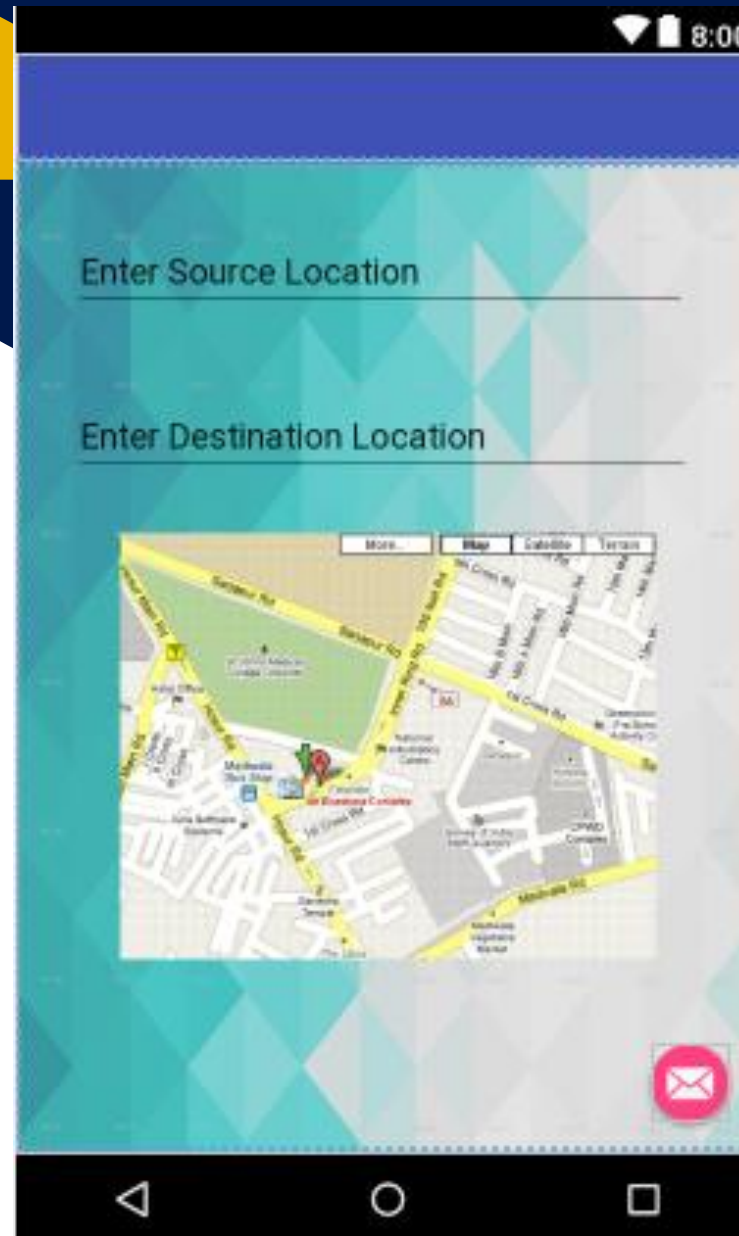
WELCOME SCREEN



NAVIGATION DRAWER



HOME SCREEN







TaPP

Thank You.